Singapore Price List **2026**

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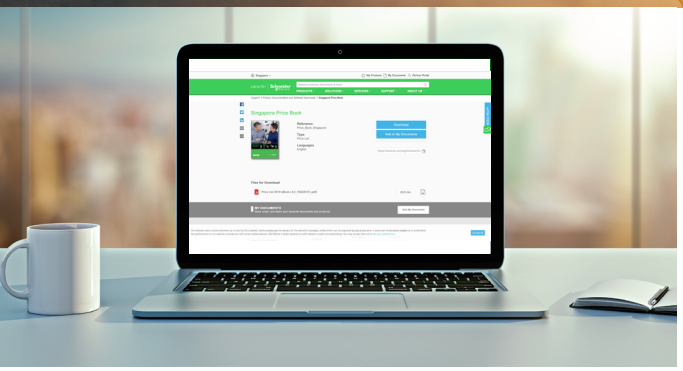
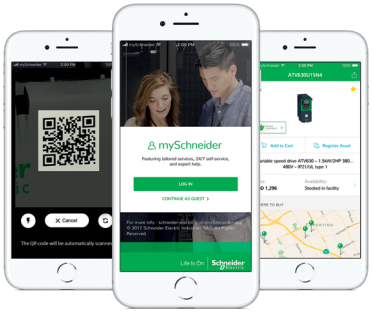
Schneider Electric

Find Us



View this book online:
se.com/sg/pricelist



With mySchneider, everything is at your fingertips!
Tailored services, 24/7 self-service and easy access to expert support and information.

ANDROID APP ON Google play

Download on the App Store

Schneider Electric Singapore Pte Ltd
50 Kallang Avenue
Singapore 339505

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Standard Lead Time

The delivery lead time starts from the order entry in our system to delivery at customer's door

Product Category	Lead time*
Stock	**D + 1**
Adapted / Modified	**D + 3**
Non-Stock (Indent)	**Check through *mySchneider***

** Lead times are in working days*
** D refers to the order booking day*
** Lead time is subject to product availability*
* Lead time for Large Order *Quantity (LOQ) may be extended* (refer to mySchneider)
**Unforecasted or spike orders lead time may be extended*
** Order placed after the cut-off time will consider D as the next working day:*
- *Cut-off time for email order to CCC: 4:30 PM*
- *Cut-off time for mySchneider order: 5:00 PM*

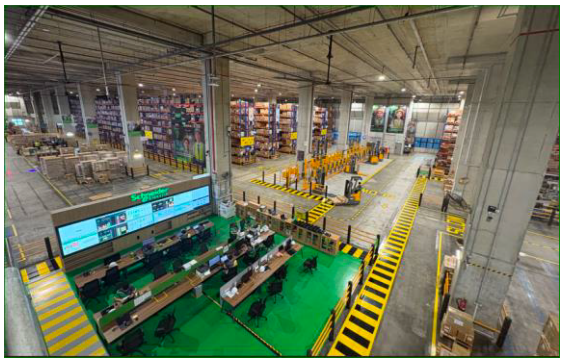
Express Delivery

Product Category	Express Service*	Charge
Stock	**Same day delivery***	**100 SGD per order**
Adapted / Modified	**Not applicable**	
Non-Stock (Indent)	**Airfreight ** to Singapore Contact CCC**	**Door-to-Door Air Freight cost with 300 SGD minimum charges**

**For order placed before cut-off time of 12:00 PM, subject to product availability*
***At the time of order placement, indicate in your PO or add remarks as air shipment under special instruction field on myschneider*

Free Local Delivery

Local delivery is free for a **minimum order value of 250 SGD** (before GST).



Hub Asia, one of our Global Distribution Centers is based here in Singapore. It runs with Schneider Electric Technology to ensure safety, performance and sustainability.
Request for a visit now through CCC.

Short Forms used in this document
- *PO = Customer Purchase Order document*
- *CRD = Customer Request Date*
- *MOV = Minimum Order Value*
- *MOQ = Minimum Order Quantity*
- *DO = Schneider Electric Delivery Order document*
- *CCC = Schneider Electric Customer Care Center*
- mySchneider = *Schneider Electric one-stop digital platform*

Above information is subject to changes at Schneider Electric's sole discretion

mySchneider Order Services

Access mySchneider via mobile app and web
- Check **price, stock availability and product standard lead time**
- Utilize and place **mySchneider order with SPA/ Contract**
- Receive **immediate order confirmation**
- **Create and manage your cases through mySchneider support**
- **Modify your order** for stock items
- Auto receive **delivery date change** notification email
- Subscribe **daily shipping notification**
- **Track & Trace** your shipment
- Access your **proof of delivery** (POD)
- Download your **Invoice**
- Download **open order portfolio**
- Delivery Notes in Apps **digitize the product receiving process**

Order Placement

Order via mySchneider is easy and recommended
Mandatory information* for order booking:
- Product reference, quantity and price
- The minimum order value (MOV) per purchase order is **250 SGD**. Any lower PO value will have automatic surcharge of **25 SGD**. MOV is waived for mySchneider orders
- **Customer requested delivery date** (CRD) must be within 6 months
- Follow the product's **Minimum Order Quantity (MOQ) and Indivisible Quantity (Lot Size)**
- Others, if applicable (project name, **SPA/ Contract** , request for product certificate)
- Place **software license order via mySchneider,** license **activation code** will be **auto-sent to your registered email address**

Non-adherence to the above mandatory information **may lead to delays in order booking*

Product Selector

Easily choose and configure the products you need in a few clicks
Product Selector

- **Fast.** Easy to use interface with guided selection. Available 24/7
- **Secure.** Mistake-proof with warning message on compatibility
- **Smart.** Guided selection automatically filters compatible equipment and accessories

Delivery Type

Partial delivery: Each order line is delivered according to your CRD, or when the stock is available (default delivery type).

Complete delivery: All order lines on one sales order are delivered on the same shipment when all items are available in full quantity. Complete delivery must be indicated on your PO or activate this delivery type on mySchneider.

Re-delivery charges:
Shall we fail to unload the shipment due non communicated closure / reason, re-delivery charges of SGD 100 will apply. Inform CCC at least **5 working days** in advance when you have planned closure.

Same-day Self-Collection

You have the option to pick up the goods from our warehouse:
1. Your order will be ready for **collection 4 hours after order booking***. Request for Collection within 4 hours subject to warehouse availability .
2. Indicate "self collection" on your PO or choose self collection delivery service on mySchneider .CCC will provide confirmation. Customers must collect the order on the same day. No delivery will be arranged .
3. Collect all items within the Delivery Order (DO). No partial collection allowed

**Cut off time 12.00 noon for order booking . Order placed after 12.00 noon that requires self collection on same day are subject to warehouse capacity and availability. Get confirmation from CCC*

Collection Hours (Working Days)	**Morning 8:30am – 11:30am** **Afternoon 1:00pm – 4:00pm** **Night 9:00pm – 10:00pm**
Distribution Centre Address	Hub Asia, Level 2, 20 Tuas South Avenue 14 Singapore, 637312

Receiving

What to do when receiving the delivery:

1. Verify total number of cartons received against the total number of cartons stated on the DO
2. Write your name, date and sign on the Digital DO provided by our driver
3. Return digital DO to driver and keep the hardcopy
4. If you notice any shortage or any damage, write it down on the DO, take relevant photos as proof (especially of carton labels) and email your findings to CCC together with the photos and DO number(Please do not hold the transporter to validate Loose Quantity)
5. Should you notice issues within the cartons, you can still email us within 5 working days from the receiving date.

Logistic Return

If you notice:

- Discrepancy in quantities
- Wrong product delivered
- Incorrect documentation
- Damage or packaging dented

1. Take relevant photos as proof (especially of the carton labels), email your findings to CCC together with the photos and DO number
2. Contact or email CCC to log the case. Your claim must be registered within 5 working days from the receiving date. Claims may be rejected if information is incomplete or unjustified
3. Keep the original carton to hasten investigation process.

Support

Topic	Contact
Quotation	Sales
Special Discounts	
Training	
Product Catalogue and Information	Always-on Support: mySchneider
Price & Availability	
Order Placement	
Order & Delivery Status	
Invoices	
Order Modification	
After Sales Service	Customer Care Centre
Product Return	
Technical Support	
Warranty	

Value Added Services

Upon request and with justification, we can provide:

- QC reports/routine test reports
- Country of origin certificate (request upon order)
- Ronis key lock configuration for Air Circuit Breakers (ACB) with additional 3 working days on top of the current ACB order lead time
- Kitting (packing done according to BOM list)
- Collection of used pallet & Plastic Pallet usage as a part of sustainable initiative
- Integrated API for stock level check
- Delivery direct to project site with 100 SGD surcharge
- Offers SMS Delivery alert notification to customer's mobile device with scheduled truck arrival time and detailed delivery information

Order Modification & Cancellation

	STOCK ITEMS*	NON-STOCK ITEMS**
Add order line	mySchneider	mySchneider
Reduce order line quantity	mySchneider*	myschneider*
Cancel order line	mySchneider*	Not allowed
Change requested delivery date (CRD) within 6 months from order creation date	mySchneider*	Chat or Portal
Modify PO number	mySchneider*	mySchneider*
Modified & adapted order	NA	Chat or Portal
Software license order	NA	Not allowed

Applicable before the DO is generated
****For adapted/modified items, production is scheduled atleast 2 weeks prior to the CRD***

*****Reduction or cancellation of non-stock items** is generally not allowed when production has scheduled for adapted item & goods shipped from factory for indent item .However, we do understand exceptional circumstances like "change of end-user specifications." In those situations, subject to business approval, we accept reduction or cancellation of non-stock item with a **30%** charge on the Order item value. Click to* mySchneider Support Portal

Commercial Return

For unused items, still in original conditions and original packaging

Product Category	Commercial Return
Stock	Within 2 weeks from invoice date
Adapted / Modified/Nonstock (Indent)	Not allowed

To process the return, email your request to CCC with a **photo of the product in its original packaging condition** and indicate **Schneider DO number**.

A processing fee of 10 % of the invoice value applies to all commercial returns, deducted in the credit note. Once approved, please arrange the return and we will issue the credit note.

Technical Return and Warranty

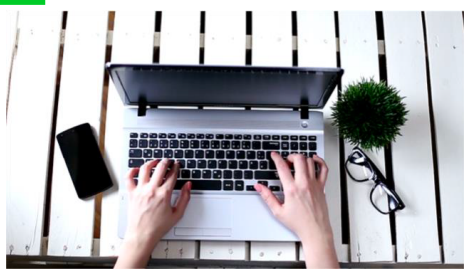
Our products are guaranteed for a period of 18 months from the invoice date, unless otherwise specified, against any defect in construction or operation arising from faulty design, materials or workmanship, where proof of invoice must be provided by the customer

Should you face any product defect, fill-up and email the claim form to mySchneider Support Portal **or** please email to: warranty.SG@schneider-electric.com.

Faulty items must be returned to Schneider Electric for a new replacement. We reserve the right to invoice the replacement if faulty item(s) are not returned within 30 days from replacement delivery date.
After return and investigation, if there is no defect found or if the defect is due to customer misuse or negligence, the replacement, labor and logistics costs will be charged back to customer.

Testing and commissioning services are not included in the scope of sales and need to be scheduled and charged separately.

Customer Care Centre



Operating hours:
8:30am to 5:30pm
Monday to Friday,
excluding public holidays

ONLINE CHAT with us or
Submit case through
mySchneider Support Portal

Above information is subject to changes at Schneider Electric's sole discretion

Contents

Power

Air circuit breaker A

Masterpact MTZ and Easypact MVS

Moulded case circuit breakers B

Compact NSX100 - 630

Compact NS630b - 3200

EasyPact EZC

EasyPact CVS100 - 630

Source-changeover system C

Compact NSX100 to 630

Compact NS630b to NS1600

Masterpact MTZ

GoPact MTS

Final Distribution D

Circuit Protection - Acti 9 / Easy9 Pro

Earth Leakage Protection

Monitoring & Protection Control

Overvoltage protection (Surge arrester)

Auxiliaries and Accessories

Local control and indication

Control components

Isobar

PK plugs and sockets

Switch-disconnectors E

Compact INS40 to 2500

Earth Leakage Relays F

Vigirex RH21 - RH99 / RHU Residual current protection relays

Sensors

Control & protection components G

CA Control relays

TeSys Contactors

TeSys protection components

TeSys Motor starters

Power management & PowerLogic™ System H

PowerLogic™

Power-monitoring units

Insulation Monitoring Devices

Protection Relays-Electrical network protection

Wireless Sensor for Overheating Cables

Power Factor controllers and Harmonic Filtering I

EasyCan and VarplusCan, VarPlus Logic series

Active Harmonic Filtering & Electronic VAR Control

Contents

Industrial Automation

Soft starters and variable speed drives 1

Soft start-soft stop units - Altistart 01, 22 and 130/430/480/490

Variable speed controllers - Altistart 12, 212, 320 and 340

ATV Regenerative units

Altivar Process

Altivar Medium Voltage Drives

Servo drive and motor combinations

Operator dialog 2

Control and signaling units - Harmony® XB

Control stations

Signaling solutions

Cobot

Human machine interfaces - EcoStruxure Machine

Automation 3

Zelio Relays

Zelio Control

Zelio Time - Timing relays

Zelio Logic - Smart relays

Signal Conditioner

Power Supplies - Phaseo ABL series

PLC - Modicon M171 to M262

Scadapack

Network Switch

Motion Controllers

Modicon Edge I/O NTS

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Reference	Price (S$)	Page	LCOS
15000			
15331	156.00	D-33	16LBD41A
15336	80.00	D-33	16LBD41A
15363	105.30	D-33	16LBD41A
26000			
26970	15.30	D-28	16LBD41A
26997	58.80	D-28	16LBD41A
27046	148.60	D-28	16LBD41A
27047	116.60	D-28	16LBD41A
27048	110.30	D-28	16LBD41A
27145	91.40	D-28	16LBD41A
28000			
28900	108.50	E-1	16LBD43C
28901	120.50	E-1	16LBD43C
28902	118.50	E-1	16LBD43C
28903	143.50	E-1	16LBD43C
28904	131.50	E-1	16LBD43C
28905	160.50	E-1	16LBD43C
28907	575.00	E-1	16LBD43C
28908	225.00	E-1	16LBD43C
28909	248.00	E-1	16LBD43C
28910	240.00	E-1	16LBD43C
28911	264.00	E-1	16LBD43C
28912	307.50	E-1	16LBD43C
28913	339.50	E-1	16LBD43C
28955	43.50	E-1	16LBD43C
28956	54.00	E-1	16LBD43C
28957	60.00	E-1	16LBD43C
28958	71.50	E-1	16LBD43C
28959	50.50	E-1	16LBD43C
29000			
29315	22.00	B-93	16LBD43C
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29370	22.00	B-92	16LBD43C
29370	22.00	B-99	16LBD43C
29370	22.00	B-21	16LBD43C
29370	22.00	B-45	16LBD43C
29371	46.00	B-92	16LBD43C
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31000			
31052	338.50	E-2	16LBD43C
31055	311.00	E-2	16LBD43C
31106	378.50	E-2	16LBD43C
31107	361.00	E-2	16LBD43C
31108	637.00	E-2	16LBD43C
31109	703.00	E-2	16LBD43C
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31111	758.00	E-2	16LBD43C
31112	988.00	E-2	16LBD43C
31113	1,090.50	E-2	16LBD43C
31114	1,162.50	E-2	16LBD43C
31115	1,282.00	E-2	16LBD43C
31146	1,262.50	E-2	16LBD43C
31147	1,340.50	E-2	16LBD43C
31148	2,019.50	E-2	16LBD43C
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33773	252.00	B-67	16LBD45E
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33776	345.00	B-67	16LBD45E
33786	221.00	B-67	16LBD45E
33787	221.00	B-67	16LBD45E
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33800	88.00	B-66	16LBD43C
33801	74.50	B-66	16LBD43C
33803	169.00	B-66	16LBD43C
33804	169.00	B-66	16LBD43C
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33820	359.50	B-66	16LBD45E
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33868	36.50	B-68	16LBD43C
33869	234.65	B-68	16LBD43C
33870	122.50	B-68	16LBD43C
33872	234.65	B-68	16LBD43C
33878	373.50	B-68	16LBD43C
33879	502.00	B-68	16LBD43C
33883	269.75	B-68	16LBD43C
33884	220.35	B-68	16LBD43C
33885	220.35	B-68	16LBD43C
33890	399.00	B-68	16LBD43C
33895	418.00	B-68	16LBD45E
33897	98.00	B-68	16LBD45E
33903	431.50	B-68	16LBD43C
33905	1,031.55	B-68	16LBD43C
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41950	224.50	B-22	16LBD43C
41950	224.50	B-46	16LBD43C
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42888	199.00	B-47	16LBD43C
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81395	251.69	D-35	16SMB27G
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50171	504.00	H-10	16LBD40J
50183	504.00	H-10	16LBD40J
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A9F94440	227.10	D-5	16LBD41A
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A9F94463	264.60	D-5	16LBD41A
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A9Z61263	1,668.50	D-14	16LBD41A
A9Z61425	1,539.80	D-14	16LBD41A
A9Z61440	1,539.80	D-14	16LBD41A
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A9Z64480	2,300.60	D-14	16LBD41A
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ABL2K03A	16.27	3-31	16ICE54D
ABL2K03B	22.45	3-31	16ICE54D
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ABL2REM24020K	47.59	3-31	16ICE54D
ABL2REM24045K	64.07	3-31	16ICE54D
ABL2REM24065K	79.31	3-31	16ICE54D
ABL2REM24085K	111.03	3-31	16ICE54D
ABL2REM24100K	118.45	3-31	16ICE54D
ABL2REM24150K	126.90	3-31	16ICE54D
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ABL8DCC05060	227.73	3-29	16IPG73C
ABL8DCC12020	233.40	3-29	16IPG73C
ABL8PRP24100	396.55	3-29	16IPG73C
ABL8RED24400	264.61	3-29	16IPG73C
ABL8RPM24200	701.95	3-28	16IPG73C
ABL8RPS24030	275.94	3-28	16IPG73C
ABL8RPS24050	346.70	3-28	16IPG73C
ABL8RPS24100	406.23	3-28	16IPG73C
ABLM1A05036	154.09	3-28	16IPG73C
ABLM1A12010	103.72	3-28	16IPG73C
ABLM1A12021	151.82	3-28	16IPG73C
ABLM1A12042	218.15	3-28	16IPG73C
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ABLM1A24006	100.84	3-28	16IPG73C
ABLM1A24012	150.17	3-28	16IPG73C
ABLM1A24025	217.02	3-28	16IPG73C
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ABLP1A24045	98.06	3-31	16IPG73C
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ABLP1A24100	217.02	3-31	16IPG73C
ABLS1A12062	142.24	3-28	16IPG73C
ABLS1A12100	197.14	3-28	16IPG73C
ABLS1A24021	117.83	3-28	16IPG73C
ABLS1A24031	132.05	3-28	16IPG73C
ABLS1A24038	176.75	3-28	16IPG73C
ABLS1A24050	185.30	3-28	16IPG73C
ABLS1A24100	288.92	3-28	16IPG73C
ABLS1A24200	496.25	3-28	16IPG73C
ABLS1A48025	197.14	3-28	16IPG73C
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ABLU3A24200	638.60	3-30	16IPG73C
ABLU3A24400	1,081.50	3-30	16IPG73C
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ABLU3A48200	1,539.85	3-30	16IPG73C
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APMBC0CTLY6	2,383.42	1-56	16ICE51A
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ATS130N2D80LT	1,545.38	1-5	16IDC34D
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ATS480C59Y	16,338.68	1-7	16IDC34D
ATS480C66Y	20,410.89	1-7	16IDC34D

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ATS480C79Y	24,367.43	1-7	16IDC34D
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ATV340U40N4	1,595.88	1-25	16ICE51A
ATV340U40N4E	1,825.57	1-26	16ICE51A

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ATV340U55N4	1,723.91	1-25	16ICE51A
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ATV340U75N4E	2,118.92	1-26	16ICE51A
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ATV6000C100A6666	POR	1-43	16ICE51A
ATV6000C113A4242	POR	1-42	16ICE51A
ATV6000C119A6666	POR	1-43	16ICE51A
ATV6000C122A2424	POR	1-41	16ICE51A
ATV6000C125A4242	POR	1-42	16ICE51A
ATV6000C138A6666	POR	1-43	16ICE51A
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ATV630C16N4	21,585.50	1-30	16ICE51A
ATV630C22N4	29,559.25	1-30	16ICE51A
ATV630C25N4	32,297.20	1-30	16ICE51A
ATV630C31N4	34,102.06	1-30	16ICE51A
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ATV630D11Y6	6,266.73	1-32	16ICE51A
ATV630D15N4	3,890.83	1-29	16ICE51A
ATV630D15Y6	6,420.40	1-32	16ICE51A
ATV630D18N4	4,402.63	1-29	16ICE51A
ATV630D18Y6	7,023.88	1-32	16ICE51A
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ATV630D30N4	5,787.88	1-29	16ICE51A
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ATV630D37Y6	11,276.13	1-32	16ICE51A
ATV630D45N4	8,682.90	1-29	16ICE51A
ATV630D45Y6	12,974.81	1-32	16ICE51A
ATV630D55N4	9,361.77	1-30	16ICE51A
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ATV630U30Y6	5,914.67	1-32	16ICE51A
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ATV630U40Y6	5,992.95	1-32	16ICE51A
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ATV650D22N4	6,195.14	1-31	16ICE51A
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ATV930D15Y6	6,882.46	1-35	16ICE51A
ATV930D18N4	5,401.22	1-33	16ICE51A
ATV930D18Y6	7,116.06	1-35	16ICE51A
ATV930D22N4	6,945.08	1-33	16ICE51A
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ATV930D37Y6	11,427.03	1-35	16ICE51A
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ATV930D45Y6	13,148.05	1-35	16ICE51A
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ATV930D75Y6	19,031.93	1-35	16ICE51A
ATV930D90N4	17,115.30	1-33	16ICE51A
ATV930D90Y6	22,032.52	1-35	16ICE51A
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ATV930U22Y6	6,208.63	1-35	16ICE51A
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ATV930U40N4	2,716.83	1-33	16ICE51A
ATV930U40Y6	6,375.08	1-35	16ICE51A
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BCH2MB0133CA5C	890.02	1-57	16ICE51A
BCH2MBA533CA5C	759.11	1-57	16ICE51A
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BLRCH155A186B48	218.00	I-2	16LBD49I
BLRCH170A204B48	229.00	I-2	16LBD49I
BLRCH182A218B44	279.00	I-1	16LBD49I
BLRCH200A240B44	290.00	I-1	16LBD49I
BLRCH250A300B44	343.00	I-1	16LBD49I
BLRCH285A342B44	356.00	I-1	16LBD49I
BLRCH303A000B44	358.00	I-1	16LBD49I
BLRCH315A378B48	373.00	I-2	16LBD49I
BLRCH315A378B48	373.00	I-2	16LBD49I
BLRCH315A378B48	373.00	I-2	16LBD49I
BLRCH339A407B48	399.00	I-2	16LBD49I
BLRCH339A407B48	399.00	I-2	16LBD49I
BLRCH339A407B48	399.00	I-2	16LBD49I
BLRCH500A000B44	603.00	I-1	16LBD49I
BLRCS030A036B44	181.00	I-1	16LBD49I
BLRCS050A060B44	116.00	I-1	16LBD49I
BLRCS075A090B44	126.00	I-1	16LBD49I
BLRCS100A120B44	129.00	I-1	16LBD49I
BLRCS125A150B44	164.00	I-1	16LBD49I
BLRCS150A180B44	174.00	I-1	16LBD49I
BLRCS155A186B48	187.00	I-2	16LBD49I
BLRCS170A204B48	198.00	I-2	16LBD49I
BLRCS182A218B44	260.00	I-1	16LBD49I
BLRCS200A240B44	214.00	I-1	16LBD49I
BLRCS250A300B44	219.00	I-1	16LBD49I
BLRCS303A364B44	360.00	I-1	16LBD49I
BLRCS315A378B48	404.00	I-2	16LBD49I
BLRCS315A378B48	404.00	I-2	16LBD49I
BLRCS315A378B48	404.00	I-2	16LBD49I
BLRCS339A407B48	550.00	I-2	16LBD49I
BLRCS339A407B48	550.00	I-2	16LBD49I
BLRCS339A407B48	550.00	I-2	16LBD49I
BMED581020	2,301.23	2-50	16IPG71A
BMED581020C	3,451.84	2-50	16IPG71A
BMXXCAUSBH018	349.38	2-35	16IPG72B
C			
C063H320FM	3,513.00	B-50	16LBD43C
C063H350FM	4,170.00	B-50	16LBD43C
C063H420FM	7,566.50	B-50	16LBD43C
C063H450FM	8,223.50	B-50	16LBD43C
C063L320FM	6,938.00	B-50	16LBD43C
C063L420FM	14,841.00	B-50	16LBD43C
C063N320FM	3,195.00	B-50	16LBD43C
C063N32AFM	3,710.00	B-51	16LBD43C
C063N350FM	3,852.00	B-50	16LBD43C
C063N35AFM	4,401.50	B-51	16LBD43C
C063N420FM	4,104.00	B-50	16LBD43C
C063N42AFM	4,619.00	B-51	16LBD43C
C063N450FM	4,761.00	B-50	16LBD43C
C063N45AFM	5,310.50	B-51	16LBD43C
C063S3NAFM	3,334.50	B-50	16LBD43C
C063S4NAFM	4,202.50	B-50	16LBD43C
C080H320FM	3,973.50	B-50	16LBD43C
C080H32AFM	4,488.50	B-51	16LBD43C
C080H350FM	4,630.50	B-50	16LBD43C
C080H35AFM	5,180.00	B-51	16LBD43C
C080H420FM	6,178.00	B-50	16LBD43C
C080H42AFM	6,693.00	B-51	16LBD43C
C080H450FM	6,835.00	B-50	16LBD43C
C080H45AFM	7,384.50	B-51	16LBD43C
C080L320FM	8,375.50	B-50	16LBD43C
C080L350FM	9,032.50	B-50	16LBD43C
C080L35AFM	9,582.00	B-51	16LBD43C
C080L420FM	15,123.50	B-50	16LBD43C
C080L450FM	15,780.50	B-50	16LBD43C
C080N320FM	3,494.50	B-50	16LBD43C
C080N32AFM	4,009.50	B-51	16LBD43C
C080N350FM	4,151.50	B-50	16LBD43C
C080N35AFM	4,701.00	B-51	16LBD43C
C080N420FM	4,423.00	B-50	16LBD43C
C080N42AFM	4,938.00	B-51	16LBD43C
C080N450FM	5,080.00	B-50	16LBD43C
C080N45AFM	5,629.50	B-51	16LBD43C
C080S3NAFM	3,643.50	B-50	16LBD43C
C080S4NAFM	4,549.00	B-50	16LBD43C
C100H320FM	5,250.50	B-50	16LBD43C
C100H32AFM	5,765.50	B-51	16LBD43C
C100H350FM	5,907.50	B-50	16LBD43C
C100H35AFM	6,457.00	B-51	16LBD43C
C100H420FM	8,093.00	B-50	16LBD43C
C100H42AFM	8,608.00	B-51	16LBD43C
C100H450FM	8,750.00	B-50	16LBD43C
C100H45AFM	9,299.50	B-51	16LBD43C
C100L320FM	11,407.00	B-50	16LBD43C
C100L350FM	12,064.00	B-50	16LBD43C
C100L35AFM	12,613.50	B-51	16LBD43C
C100L420FM	16,941.50	B-50	16LBD43C
C100L450FM	17,598.50	B-50	16LBD43C
C100N320FM	3,889.00	B-50	16LBD43C
C100N32AFM	4,404.00	B-51	16LBD43C
C100N350FM	4,546.00	B-50	16LBD43C
C100N35AFM	5,095.50	B-51	16LBD43C
C100N420FM	5,221.00	B-50	16LBD43C
C100N42AFM	5,736.00	B-51	16LBD43C
C100N450FM	5,878.00	B-50	16LBD43C
C100N45AFM	6,427.50	B-51	16LBD43C
C100S3NAFM	3,951.50	B-50	16LBD43C
C100S4NAFM	5,322.00	B-50	16LBD43C
C102100S	375.00	B-15	16LBD43C
C103100S	332.00	B-15	16LBD43C
C104100S	445.50	B-15	16LBD43C
C10B3 + C1034A040	2,492.50	B-1	16LBD43C
C10B3 + C1034A100	2,355.50	B-1	16LBD43C
C10B3 + C1035E040	1,978.50	B-2	16LBD43C
C10B3 + C1035E100	1,945.50	B-2	16LBD43C
C10B3 + C1036E040	2,328.50	B-2	16LBD43C
C10B3 + C1036E100	2,289.50	B-2	16LBD43C
C10B32D040	483.00	B-1	16LBD43C
C10B32D100	483.00	B-1	16LBD43C
C10B34V040	2,381.00	B-1	16LBD43C
C10B34V100	2,249.50	B-1	16LBD43C
C10B3TM016	285.50	B-1	16LBD43C
C10B3TM025	285.50	B-1	16LBD43C
C10B3TM032	285.50	B-1	16LBD43C
C10B3TM040	292.50	B-1	16LBD43C
C10B3TM050	292.50	B-1	16LBD43C
C10B3TM063	292.50	B-1	16LBD43C
C10B3TM080	292.50	B-1	16LBD43C
C10B3TM100	292.50	B-1	16LBD43C
C10B4 + C1044A040	2,960.50	B-1	16LBD43C
C10B4 + C1044A100	2,800.50	B-1	16LBD43C
C10B4 + C1045E040	2,289.50	B-2	16LBD43C
C10B4 + C1045E100	2,261.00	B-2	16LBD43C
C10B4 + C1046E040	2,935.00	B-2	16LBD43C
C10B4 + C1046E100	2,890.00	B-2	16LBD43C
C10B4 + C1047A040	3,935.00	B-2	16LBD43C
C10B4 + C1047A100	3,718.00	B-2	16LBD43C
C10B4 + C1047E040	3,935.00	B-2	16LBD43C
C10B4 + C1047E100	3,718.00	B-2	16LBD43C
C10B42D040	724.00	B-1	16LBD43C
C10B42D100	724.00	B-1	16LBD43C
C10B44V040	2,830.50	B-1	16LBD43C
C10B44V100	2,678.00	B-1	16LBD43C
C10B4TM016	526.50	B-1	16LBD43C
C10B4TM025	526.50	B-1	16LBD43C
C10B4TM032	526.50	B-1	16LBD43C
C10B4TM040	544.00	B-1	16LBD43C
C10B4TM050	544.00	B-1	16LBD43C
C10B4TM063	544.00	B-1	16LBD43C
C10B4TM080	544.00	B-1	16LBD43C
C10B4TM100	544.00	B-1	16LBD43C
C10B6TM016	418.50	B-1	16LBD43C
C10B6TM025	418.50	B-1	16LBD43C
C10B6TM032	418.50	B-1	16LBD43C
C10B6TM040	430.50	B-1	16LBD43C
C10B6TM050	430.50	B-1	16LBD43C
C10B6TM063	430.50	B-1	16LBD43C
C10B6TM080	430.50	B-1	16LBD43C
C10B6TM100	430.50	B-1	16LBD43C
C10F3 + C1034A040	2,509.50	B-3	16LBD43C
C10F3 + C1034A100	2,372.50	B-3	16LBD43C
C10F3 + C1035E040	1,995.50	B-4	16LBD43C
C10F3 + C1035E100	1,962.50	B-4	16LBD43C
C10F3 + C1036E040	2,345.50	B-4	16LBD43C
C10F3 + C1036E100	2,306.50	B-4	16LBD43C
C10F32D040	500.50	B-3	16LBD43C
C10F32D100	500.50	B-3	16LBD43C
C10F34V040	2,398.00	B-3	16LBD43C
C10F34V100	2,267.50	B-3	16LBD43C
C10F3MA003	434.50	B-4	16LBD43C
C10F3MA007	434.50	B-4	16LBD43C
C10F3MA013	434.50	B-4	16LBD43C
C10F3MA025	435.50	B-4	16LBD43C
C10F3MA050	435.50	B-4	16LBD43C
C10F3MA100	435.50	B-4	16LBD43C
C10F3TM016	303.00	B-3	16LBD43C
C10F3TM025	303.00	B-3	16LBD43C
C10F3TM032	303.00	B-3	16LBD43C
C10F3TM040	310.00	B-3	16LBD43C
C10F3TM050	310.00	B-3	16LBD43C

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Reference	Price (S$)	Page	LCOS
C10F3TM063	310.00	B-3	16LBD43C
C10F3TM080	310.00	B-3	16LBD43C
C10F3TM100	310.00	B-3	16LBD43C
C10F4 + C1044A040	2,975.00	B-3	16LBD43C
C10F4 + C1044A100	2,815.00	B-3	16LBD43C
C10F4 + C1045E040	2,304.00	B-4	16LBD43C
C10F4 + C1045E100	2,275.50	B-4	16LBD43C
C10F4 + C1046E040	2,949.50	B-4	16LBD43C
C10F4 + C1046E100	2,904.50	B-4	16LBD43C
C10F4 + C1047A040	3,949.50	B-4	16LBD43C
C10F4 + C1047A100	3,732.50	B-4	16LBD43C
C10F4 + C1047E040	3,949.50	B-4	16LBD43C
C10F4 + C1047E100	3,732.50	B-4	16LBD43C
C10F42D040	738.00	B-3	16LBD43C
C10F42D100	738.00	B-3	16LBD43C
C10F44V040	2,844.50	B-3	16LBD43C
C10F44V100	2,692.50	B-3	16LBD43C
C10F4TM016	540.00	B-3	16LBD43C
C10F4TM025	540.00	B-3	16LBD43C
C10F4TM032	540.00	B-3	16LBD43C
C10F4TM040	558.50	B-3	16LBD43C
C10F4TM050	558.50	B-3	16LBD43C
C10F4TM063	558.50	B-3	16LBD43C
C10F4TM080	558.50	B-3	16LBD43C
C10F4TM100	558.50	B-3	16LBD43C
C10F6TM016	433.50	B-3	16LBD43C
C10F6TM025	433.50	B-3	16LBD43C
C10F6TM032	433.50	B-3	16LBD43C
C10F6TM040	445.50	B-3	16LBD43C
C10F6TM050	445.50	B-3	16LBD43C
C10F6TM063	445.50	B-3	16LBD43C
C10F6TM080	445.50	B-3	16LBD43C
C10F6TM100	445.50	B-3	16LBD43C
C10H3 + C1034A040	2,614.50	B-7	16LBD43C
C10H3 + C1034A100	2,477.50	B-7	16LBD43C
C10H3 + C1035E040	2,100.50	B-8	16LBD43C
C10H3 + C1035E100	2,067.50	B-8	16LBD43C
C10H3 + C1036E040	2,450.50	B-8	16LBD43C
C10H3 + C1036E100	2,411.50	B-8	16LBD43C
C10H32D040	605.50	B-7	16LBD43C
C10H32D100	605.50	B-7	16LBD43C
C10H34V040	2,503.50	B-7	16LBD43C
C10H34V100	2,372.00	B-7	16LBD43C
C10H3MA003	539.00	B-8	16LBD43C
C10H3MA007	539.00	B-8	16LBD43C
C10H3MA013	539.00	B-8	16LBD43C
C10H3MA025	540.00	B-8	16LBD43C
C10H3MA050	540.00	B-8	16LBD43C
C10H3MA100	540.00	B-8	16LBD43C
C10H3TM016	407.50	B-7	16LBD43C
C10H3TM025	407.50	B-7	16LBD43C
C10H3TM032	407.50	B-7	16LBD43C
C10H3TM040	416.00	B-7	16LBD43C
C10H3TM050	416.00	B-7	16LBD43C
C10H3TM063	416.00	B-7	16LBD43C
C10H3TM080	416.00	B-7	16LBD43C
C10H3TM100	416.00	B-7	16LBD43C
C10H4 + C1044A040	3,231.50	B-7	16LBD43C
C10H4 + C1044A100	3,071.50	B-7	16LBD43C
C10H4 + C1045E040	2,560.50	B-8	16LBD43C
C10H4 + C1045E100	2,532.00	B-8	16LBD43C
C10H4 + C1046E040	3,206.00	B-8	16LBD43C
C10H4 + C1046E100	3,161.00	B-8	16LBD43C
C10H4 + C1047A040	4,206.00	B-8	16LBD43C
C10H4 + C1047A100	3,989.00	B-8	16LBD43C
C10H4 + C1047E040	4,206.00	B-8	16LBD43C
C10H4 + C1047E100	3,989.00	B-8	16LBD43C
C10H42D040	994.00	B-7	16LBD43C
C10H42D100	994.00	B-7	16LBD43C
C10H44V040	3,101.50	B-7	16LBD43C
C10H44V100	2,948.50	B-7	16LBD43C
C10H4TM016	797.00	B-7	16LBD43C
C10H4TM025	797.00	B-7	16LBD43C
C10H4TM032	797.00	B-7	16LBD43C
C10H4TM040	814.50	B-7	16LBD43C
C10H4TM050	814.50	B-7	16LBD43C
C10H4TM063	814.50	B-7	16LBD43C
C10H4TM080	814.50	B-7	16LBD43C
C10H4TM100	814.50	B-7	16LBD43C
C10H6TM016	688.50	B-7	16LBD43C
C10H6TM025	688.50	B-7	16LBD43C
C10H6TM032	688.50	B-7	16LBD43C
C10H6TM040	702.00	B-7	16LBD43C
C10H6TM050	702.00	B-7	16LBD43C
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C10H6TM080	702.00	B-7	16LBD43C
C10H6TM100	702.00	B-7	16LBD43C
C10L3 + C1032D040	808.00	B-11	16LBD43C
C10L3 + C1032D100	808.00	B-11	16LBD43C
C10L3 + C1034A040	2,816.50	B-11	16LBD43C
C10L3 + C1034A100	2,679.50	B-11	16LBD43C
C10L3 + C1034V040	2,705.00	B-11	16LBD43C
C10L3 + C1034V100	2,574.50	B-11	16LBD43C
C10L3 + C1035E040	2,302.50	B-12	16LBD43C
C10L3 + C1035E100	2,269.50	B-12	16LBD43C
C10L3 + C1036E040	2,652.50	B-12	16LBD43C
C10L3 + C1036E100	2,613.50	B-12	16LBD43C
C10L3 + C103MA003	741.50	B-12	16LBD43C
C10L3 + C103MA007	741.50	B-12	16LBD43C
C10L3 + C103MA013	741.50	B-12	16LBD43C
C10L3 + C103MA025	742.50	B-12	16LBD43C
C10L3 + C103MA050	742.50	B-12	16LBD43C
C10L3 + C103MA100	742.50	B-12	16LBD43C
C10L3 + C103TM016	610.00	B-11	16LBD43C
C10L3 + C103TM025	610.00	B-11	16LBD43C
C10L3 + C103TM032	610.00	B-11	16LBD43C
C10L3 + C103TM040	617.00	B-11	16LBD43C
C10L3 + C103TM050	617.00	B-11	16LBD43C
C10L3 + C103TM063	617.00	B-11	16LBD43C
C10L3 + C103TM080	617.00	B-11	16LBD43C
C10L3 + C103TM100	617.00	B-11	16LBD43C
C10L4 + C1042D040	1,300.00	B-11	16LBD43C
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C10L4 + C1044V100	3,254.50	B-11	16LBD43C
C10L4 + C1045E040	2,865.50	B-12	16LBD43C
C10L4 + C1045E100	2,837.00	B-12	16LBD43C
C10L4 + C1046E040	3,511.00	B-12	16LBD43C
C10L4 + C1046E100	3,466.00	B-12	16LBD43C
C10L4 + C1047A040	4,511.00	B-12	16LBD43C
C10L4 + C1047A100	4,294.00	B-12	16LBD43C
C10L4 + C1047E040	4,511.00	B-12	16LBD43C
C10L4 + C1047E100	4,294.00	B-12	16LBD43C
C10L4 + C106TM016	995.00	B-11	16LBD43C
C10L4 + C106TM025	995.00	B-11	16LBD43C
C10L4 + C106TM032	995.00	B-11	16LBD43C
C10L4 + C106TM040	1,007.50	B-11	16LBD43C
C10L4 + C106TM050	1,007.50	B-11	16LBD43C
C10L4 + C106TM063	1,007.50	B-11	16LBD43C
C10L4 + C106TM080	1,007.50	B-11	16LBD43C
C10L4 + C106TM100	1,007.50	B-11	16LBD43C
C10N3 + C1034A040	2,564.50	B-5	16LBD43C
C10N3 + C1034A100	2,427.50	B-5	16LBD43C
C10N3 + C1035E040	2,050.50	B-6	16LBD43C
C10N3 + C1035E100	2,017.50	B-6	16LBD43C
C10N3 + C1036E040	2,400.50	B-6	16LBD43C
C10N3 + C1036E100	2,361.50	B-6	16LBD43C
C10N32D040	555.00	B-5	16LBD43C
C10N32D100	555.00	B-5	16LBD43C
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C10N3MA100	490.00	B-6	16LBD43C
C10N3TM016	357.50	B-5	16LBD43C
C10N3TM025	357.50	B-5	16LBD43C
C10N3TM032	357.50	B-5	16LBD43C
C10N3TM040	364.50	B-5	16LBD43C
C10N3TM050	364.50	B-5	16LBD43C
C10N3TM063	364.50	B-5	16LBD43C
C10N3TM080	364.50	B-5	16LBD43C
C10N3TM100	364.50	B-5	16LBD43C
C10N4 + C1044A040	3,097.00	B-5	16LBD43C
C10N4 + C1044A100	2,937.00	B-5	16LBD43C
C10N4 + C1045E040	2,426.00	B-6	16LBD43C
C10N4 + C1045E100	2,397.50	B-6	16LBD43C
C10N4 + C1046E040	3,071.50	B-6	16LBD43C
C10N4 + C1046E100	3,026.50	B-6	16LBD43C
C10N4 + C1047A040	4,071.50	B-6	16LBD43C
C10N4 + C1047A100	3,854.50	B-6	16LBD43C
C10N4 + C1047E040	4,071.50	B-6	16LBD43C
C10N4 + C1047E100	3,854.50	B-6	16LBD43C
C10N42D040	860.00	B-5	16LBD43C
C10N42D100	860.00	B-5	16LBD43C
C10N44V040	2,966.50	B-5	16LBD43C
C10N44V100	2,814.50	B-5	16LBD43C
C10N4TM016	663.50	B-5	16LBD43C
C10N4TM025	663.50	B-5	16LBD43C
C10N4TM032	663.50	B-5	16LBD43C
C10N4TM040	680.00	B-5	16LBD43C
C10N4TM050	680.00	B-5	16LBD43C
C10N4TM063	680.00	B-5	16LBD43C

Reference	Price (S$)	Page	LCOS
C10N4TM080	680.00	B-5	16LBD43C
C10N4TM100	680.00	B-5	16LBD43C
C10N6TM016	555.00	B-5	16LBD43C
C10N6TM025	555.00	B-5	16LBD43C
C10N6TM032	555.00	B-5	16LBD43C
C10N6TM040	568.00	B-5	16LBD43C
C10N6TM050	568.00	B-5	16LBD43C
C10N6TM063	568.00	B-5	16LBD43C
C10N6TM080	568.00	B-5	16LBD43C
C10N6TM100	568.00	B-5	16LBD43C
C10R32D040	947.00	B-13	16LBD43C
C10R32D100	947.00	B-13	16LBD43C
C10R32M025	1,161.50	B-13	16LBD43C
C10R32M050	1,161.50	B-13	16LBD43C
C10R32M100	1,161.50	B-13	16LBD43C
C10R35E040	2,225.50	B-13	16LBD43C
C10R35E100	2,225.50	B-13	16LBD43C
C10R3MA013	863.50	B-13	16LBD43C
C10R3MA025	863.50	B-13	16LBD43C
C10R3MA050	863.50	B-13	16LBD43C
C10R3MA100	863.50	B-13	16LBD43C
C10R3TM040	688.50	B-13	16LBD43C
C10R3TM050	688.50	B-13	16LBD43C
C10R3TM063	688.50	B-13	16LBD43C
C10R3TM080	716.00	B-13	16LBD43C
C10R3TM100	716.00	B-13	16LBD43C
C10R42D040	POA	B-13	16LBD43C
C10R42D100	POA	B-13	16LBD43C
C10R45E040	2,595.50	B-13	16LBD43C
C10R45E100	2,595.50	B-13	16LBD43C
C10R4TM040	1,203.50	B-13	16LBD43C
C10R4TM050	1,203.50	B-13	16LBD43C
C10R4TM063	1,203.50	B-13	16LBD43C
C10R4TM080	1,203.50	B-13	16LBD43C
C10R4TM100	1,203.50	B-13	16LBD43C
C10S3 + C1032D040	687.00	B-9	16LBD43C
C10S3 + C1032D100	687.00	B-9	16LBD43C
C10S3 + C1034A040	2,695.50	B-9	16LBD43C
C10S3 + C1034A100	2,558.50	B-9	16LBD43C
C10S3 + C1034V040	2,584.00	B-9	16LBD43C
C10S3 + C1034V100	2,453.50	B-9	16LBD43C
C10S3 + C1035E040	2,181.50	B-10	16LBD43C
C10S3 + C1035E100	2,148.50	B-10	16LBD43C
C10S3 + C1036E040	2,531.50	B-10	16LBD43C
C10S3 + C1036E100	2,492.50	B-10	16LBD43C
C10S3 + C103MA003	620.50	B-10	16LBD43C
C10S3 + C103MA007	620.50	B-10	16LBD43C
C10S3 + C103MA013	620.50	B-10	16LBD43C
C10S3 + C103MA025	621.50	B-10	16LBD43C
C10S3 + C103MA050	621.50	B-10	16LBD43C
C10S3 + C103MA100	621.50	B-10	16LBD43C
C10S3 + C103TM016	489.00	B-9	16LBD43C
C10S3 + C103TM025	489.00	B-9	16LBD43C
C10S3 + C103TM032	489.00	B-9	16LBD43C
C10S3 + C103TM040	496.00	B-9	16LBD43C
C10S3 + C103TM050	496.00	B-9	16LBD43C
C10S3 + C103TM063	496.00	B-9	16LBD43C
C10S3 + C103TM080	496.00	B-9	16LBD43C
C10S3 + C103TM100	496.00	B-9	16LBD43C
C10S4 + C1042D040	1,129.50	B-9	16LBD43C
C10S4 + C1042D100	1,129.50	B-9	16LBD43C
C10S4 + C1044A040	3,366.00	B-9	16LBD43C
C10S4 + C1044A100	3,206.00	B-9	16LBD43C
C10S4 + C1044V040	3,236.00	B-9	16LBD43C
C10S4 + C1044V100	3,084.00	B-9	16LBD43C
C10S4 + C1045E040	2,695.00	B-10	16LBD43C
C10S4 + C1045E100	2,666.50	B-10	16LBD43C
C10S4 + C1046E040	3,340.50	B-10	16LBD43C
C10S4 + C1046E100	3,295.50	B-10	16LBD43C
C10S4 + C1047A040	4,340.50	B-10	16LBD43C
C10S4 + C1047A100	4,123.50	B-10	16LBD43C
C10S4 + C1047E040	4,340.50	B-10	16LBD43C
C10S4 + C1047E100	4,123.50	B-10	16LBD43C
C10S4 + C106TM016	824.50	B-9	16LBD43C
C10S4 + C106TM025	824.50	B-9	16LBD43C
C10S4 + C106TM032	824.50	B-9	16LBD43C
C10S4 + C106TM040	837.00	B-9	16LBD43C
C10S4 + C106TM050	837.00	B-9	16LBD43C
C10S4 + C106TM063	837.00	B-9	16LBD43C
C10S4 + C106TM080	837.00	B-9	16LBD43C
C10S4 + C106TM100	837.00	B-9	16LBD43C
C10V32D040	1,046.00	B-14	16LBD43C
C10V32D100	1,046.00	B-14	16LBD43C
C10V32M025	1,260.00	B-14	16LBD43C
C10V32M050	1,260.00	B-14	16LBD43C
C10V32M100	1,260.00	B-14	16LBD43C
C10V35E040	2,390.00	B-14	16LBD43C
C10V35E100	2,390.00	B-14	16LBD43C
C10V3MA013	963.50	B-14	16LBD43C
C10V3MA025	963.50	B-14	16LBD43C
C10V3MA050	963.50	B-14	16LBD43C
C10V3MA100	963.50	B-14	16LBD43C
C10V3TM040	765.50	B-14	16LBD43C
C10V3TM050	765.50	B-14	16LBD43C
C10V3TM063	765.50	B-14	16LBD43C
C10V3TM080	796.00	B-14	16LBD43C
C10V3TM100	796.00	B-14	16LBD43C
C10V42D040	POA	B-14	16LBD43C
C10V42D100	1,632.50	B-14	16LBD43C
C10V45E040	2,797.00	B-14	16LBD43C
C10V45E100	2,797.00	B-14	16LBD43C
C10V4TM040	1,383.50	B-14	16LBD43C
C10V4TM050	1,383.50	B-14	16LBD43C
C10V4TM063	1,383.50	B-14	16LBD43C
C10V4TM080	1,383.50	B-14	16LBD43C
C10V4TM100	1,383.50	B-14	16LBD43C
C10W32D040	1,161.50	B-15	16LBD43C
C10W32D100	1,161.50	B-15	16LBD43C
C10W32M025	1,375.50	B-15	16LBD43C
C10W32M050	1,375.50	B-15	16LBD43C
C10W32M100	1,375.50	B-15	16LBD43C
C10W35E040	2,921.00	B-15	16LBD43C
C10W35E100	2,921.00	B-15	16LBD43C
C10W3MA013	1,078.00	B-15	16LBD43C
C10W3MA025	1,078.00	B-15	16LBD43C
C10W3MA050	1,078.00	B-15	16LBD43C
C10W3MA100	1,078.00	B-15	16LBD43C
C10W3TM063	968.50	B-15	16LBD43C
C10W3TM080	968.50	B-15	16LBD43C
C10W3TM100	968.50	B-15	16LBD43C
C10W42D040	POA	B-15	16LBD43C
C10W42D100	POA	B-15	16LBD43C
C10W45E040	3,442.00	B-15	16LBD43C
C10W45E100	3,442.00	B-15	16LBD43C
C10W4TM063	1,590.00	B-15	16LBD43C
C10W4TM080	1,590.00	B-15	16LBD43C
C10W4TM100	1,590.00	B-15	16LBD43C
C125H320FM	7,099.00	B-50	16LBD43C
C125H32AFM	7,614.00	B-51	16LBD43C
C125H350FM	7,756.00	B-50	16LBD43C
C125H35AFM	8,305.50	B-51	16LBD43C
C125H420FM	11,355.50	B-50	16LBD43C
C125H42AFM	11,870.50	B-51	16LBD43C
C125H450FM	12,012.50	B-50	16LBD43C
C125H45AFM	12,562.00	B-51	16LBD43C
C125N320FM	4,955.50	B-50	16LBD43C
C125N32AFM	5,470.50	B-51	16LBD43C
C125N350FM	5,612.50	B-50	16LBD43C
C125N35AFM	6,162.00	B-51	16LBD43C
C125N420FM	7,206.00	B-50	16LBD43C
C125N42AFM	7,721.00	B-51	16LBD43C
C125N450FM	7,863.00	B-50	16LBD43C
C125N45AFM	8,412.50	B-51	16LBD43C
C125S3NAFM	4,988.50	B-50	16LBD43C
C125S4NAFM	7,268.50	B-50	16LBD43C
C160H320FM	11,834.50	B-50	16LBD43C
C160H32AFM	12,349.50	B-51	16LBD43C
C160H350FM	12,491.50	B-50	16LBD43C
C160H35AFM	13,041.00	B-51	16LBD43C
C160H420FM	18,154.50	B-50	16LBD43C
C160H42AFM	18,669.50	B-51	16LBD43C
C160H450FM	18,811.50	B-50	16LBD43C
C160H45AFM	19,361.00	B-51	16LBD43C
C160N320FM	7,844.00	B-50	16LBD43C
C160N32AFM	8,359.00	B-51	16LBD43C
C160N350FM	8,501.00	B-50	16LBD43C
C160N35AFM	9,050.50	B-51	16LBD43C
C160N420FM	11,603.50	B-50	16LBD43C
C160N42AFM	12,118.50	B-51	16LBD43C
C160N450FM	12,260.50	B-50	16LBD43C
C160N45AFM	12,810.00	B-51	16LBD43C
C160S3NAFM	7,886.00	B-50	16LBD43C
C160S4NAFM	11,544.00	B-50	16LBD43C
C163160S	533.00	B-15	16LBD43C
C16B3 + C1034A100	2,488.00	B-1	16LBD43C
C16B3 + C1035E100	2,078.00	B-2	16LBD43C
C16B3 + C1036E100	2,422.00	B-2	16LBD43C
C16B3 + C1634A160	3,034.00	B-1	16LBD43C
C16B3 + C1635E160	2,171.50	B-2	16LBD43C
C16B3 + C1636E160	2,535.50	B-2	16LBD43C
C16B32D100	615.50	B-1	16LBD43C
C16B32D160	625.50	B-1	16LBD43C
C16B34V100	2,382.50	B-1	16LBD43C
C16B34V160	2,903.00	B-1	16LBD43C
C16B3TM080	425.50	B-1	16LBD43C
C16B3TM100	425.50	B-1	16LBD43C
C16B3TM125	425.50	B-1	16LBD43C

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Reference	Price (S$)	Page	LCOS
C16B3TM160	428.50	B-1	16LBD43C
C16B4 + C1044A100	3,091.00	B-1	16LBD43C
C16B4 + C1045E100	2,551.50	B-2	16LBD43C
C16B4 + C1046E100	3,180.50	B-2	16LBD43C
C16B4 + C1047A100	4,008.50	B-2	16LBD43C
C16B4 + C1047E100	4,008.50	B-2	16LBD43C
C16B4 + C1644A160	3,729.00	B-1	16LBD43C
C16B4 + C1645E160	2,666.00	B-2	16LBD43C
C16B4 + C1646E160	3,357.50	B-2	16LBD43C
C16B4 + C1647A160	4,877.00	B-2	16LBD43C
C16B4 + C1647E160	4,877.00	B-2	16LBD43C
C16B42D100	1,015.00	B-1	16LBD43C
C16B42D160	1,029.00	B-1	16LBD43C
C16B44V100	2,969.00	B-1	16LBD43C
C16B44V160	3,578.00	B-1	16LBD43C
C16B4TM080	834.50	B-1	16LBD43C
C16B4TM100	834.50	B-1	16LBD43C
C16B4TM125	834.50	B-1	16LBD43C
C16B4TM160	843.00	B-1	16LBD43C
C16B6TM080	722.00	B-1	16LBD43C
C16B6TM100	722.00	B-1	16LBD43C
C16B6TM125	722.00	B-1	16LBD43C
C16B6TM160	727.50	B-1	16LBD43C
C16F3 + C1034A100	2,518.50	B-3	16LBD43C
C16F3 + C1035E100	2,108.50	B-4	16LBD43C
C16F3 + C1036E100	2,452.50	B-4	16LBD43C
C16F3 + C1634A160	3,064.50	B-3	16LBD43C
C16F3 + C1635E160	2,202.00	B-4	16LBD43C
C16F3 + C1636E160	2,566.00	B-4	16LBD43C
C16F32D100	646.50	B-3	16LBD43C
C16F32D160	655.50	B-3	16LBD43C
C16F34V100	2,413.00	B-3	16LBD43C
C16F34V160	2,932.50	B-3	16LBD43C
C16F3MA100	581.50	B-4	16LBD43C
C16F3MA150	582.50	B-4	16LBD43C
C16F3TM080	456.00	B-3	16LBD43C
C16F3TM100	456.00	B-3	16LBD43C
C16F3TM125	456.00	B-3	16LBD43C
C16F3TM160	458.50	B-3	16LBD43C
C16F4 + C1044A100	3,101.50	B-3	16LBD43C
C16F4 + C1045E100	2,562.00	B-4	16LBD43C
C16F4 + C1046E100	3,191.00	B-4	16LBD43C
C16F4 + C1047A100	4,019.00	B-4	16LBD43C
C16F4 + C1047E100	4,019.00	B-4	16LBD43C
C16F4 + C1644A160	3,739.50	B-3	16LBD43C
C16F4 + C1645E160	2,676.50	B-4	16LBD43C
C16F4 + C1646E160	3,368.00	B-4	16LBD43C
C16F4 + C1647A160	4,887.50	B-4	16LBD43C
C16F4 + C1647E160	4,887.50	B-4	16LBD43C
C16F42D100	1,024.00	B-3	16LBD43C
C16F42D160	1,039.00	B-3	16LBD43C
C16F44V100	2,978.50	B-3	16LBD43C
C16F44V160	3,587.50	B-3	16LBD43C
C16F6TM080	732.00	B-3	16LBD43C
C16F6TM100	732.00	B-3	16LBD43C
C16F6TM125	732.00	B-3	16LBD43C
C16F6TM160	738.00	B-3	16LBD43C
C16H3 + C1034A100	2,639.00	B-7	16LBD43C
C16H3 + C1035E100	2,229.00	B-8	16LBD43C
C16H3 + C1036E100	2,573.00	B-8	16LBD43C
C16H3 + C1634A160	3,185.00	B-7	16LBD43C
C16H3 + C1635E160	2,322.50	B-8	16LBD43C
C16H3 + C1636E160	2,686.50	B-8	16LBD43C
C16H32D100	766.50	B-7	16LBD43C
C16H32D160	777.50	B-7	16LBD43C
C16H34V100	2,534.00	B-7	16LBD43C
C16H34V160	3,053.50	B-7	16LBD43C
C16H3MA100	702.00	B-8	16LBD43C
C16H3MA150	703.00	B-8	16LBD43C
C16H3TM080	576.50	B-7	16LBD43C
C16H3TM100	576.50	B-7	16LBD43C
C16H3TM125	576.50	B-7	16LBD43C
C16H3TM160	579.50	B-7	16LBD43C
C16H4 + C1044A100	3,376.50	B-7	16LBD43C
C16H4 + C1045E100	2,837.00	B-8	16LBD43C
C16H4 + C1046E100	3,466.00	B-8	16LBD43C
C16H4 + C1047A100	4,294.00	B-8	16LBD43C
C16H4 + C1047E100	4,294.00	B-8	16LBD43C
C16H4 + C1644A160	4,014.50	B-7	16LBD43C
C16H4 + C1645E160	2,951.50	B-8	16LBD43C
C16H4 + C1646E160	3,643.00	B-8	16LBD43C
C16H4 + C1647A160	5,162.50	B-8	16LBD43C
C16H4 + C1647E160	5,162.50	B-8	16LBD43C
C16H42D100	1,299.50	B-7	16LBD43C
C16H42D160	1,314.00	B-7	16LBD43C
C16H44V100	3,253.50	B-7	16LBD43C
C16H44V160	3,863.00	B-7	16LBD43C
C16H4TM080	1,119.50	B-7	16LBD43C
C16H4TM100	1,119.50	B-7	16LBD43C
C16H4TM125	1,119.50	B-7	16LBD43C
C16H4TM160	1,127.50	B-7	16LBD43C
C16H6TM080	1,007.50	B-7	16LBD43C
C16H6TM100	1,007.50	B-7	16LBD43C
C16H6TM125	1,007.50	B-7	16LBD43C
C16H6TM160	1,013.50	B-7	16LBD43C
C16L3 + C1032D100	1,063.00	B-11	16LBD43C
C16L3 + C1034A100	2,934.50	B-11	16LBD43C
C16L3 + C1034V100	2,829.50	B-11	16LBD43C
C16L3 + C1035E100	2,524.50	B-12	16LBD43C
C16L3 + C1036E100	2,868.50	B-12	16LBD43C
C16L3 + C103MA100	997.50	B-12	16LBD43C
C16L3 + C103TM080	872.00	B-11	16LBD43C
C16L3 + C103TM100	872.00	B-11	16LBD43C
C16L3 + C1632D160	1,073.50	B-11	16LBD43C
C16L3 + C1634A160	3,480.50	B-11	16LBD43C
C16L3 + C1634V160	3,349.50	B-11	16LBD43C
C16L3 + C1635E160	2,618.00	B-12	16LBD43C
C16L3 + C1636E160	2,982.00	B-12	16LBD43C
C16L3 + C163MA150	999.00	B-12	16LBD43C
C16L3 + C163TM125	872.00	B-11	16LBD43C
C16L3 + C163TM160	876.00	B-11	16LBD43C
C16L4 + C1042D100	1,789.00	B-11	16LBD43C
C16L4 + C1044A100	3,865.50	B-11	16LBD43C
C16L4 + C1044V100	3,743.50	B-11	16LBD43C
C16L4 + C1045E100	3,326.00	B-12	16LBD43C
C16L4 + C1046E100	3,955.00	B-12	16LBD43C
C16L4 + C1047A100	4,783.00	B-12	16LBD43C
C16L4 + C1047E100	4,783.00	B-12	16LBD43C
C16L4 + C106TM080	1,496.50	B-11	16LBD43C
C16L4 + C106TM100	1,496.50	B-11	16LBD43C
C16L4 + C1642D160	1,803.50	B-11	16LBD43C
C16L4 + C1644A160	4,503.50	B-11	16LBD43C
C16L4 + C1644V160	4,352.00	B-11	16LBD43C
C16L4 + C1645E160	3,440.50	B-12	16LBD43C
C16L4 + C1646E160	4,132.00	B-12	16LBD43C
C16L4 + C1647A160	5,651.50	B-12	16LBD43C
C16L4 + C1647E160	5,651.50	B-12	16LBD43C
C16L4 + C166TM125	1,496.50	B-11	16LBD43C
C16L4 + C166TM160	1,502.50	B-11	16LBD43C
C16N3 + C1034A100	2,579.00	B-5	16LBD43C
C16N3 + C1035E100	2,169.00	B-6	16LBD43C
C16N3 + C1036E100	2,513.00	B-6	16LBD43C
C16N3 + C1634A160	3,125.00	B-5	16LBD43C
C16N3 + C1635E160	2,262.50	B-6	16LBD43C
C16N3 + C1636E160	2,626.50	B-6	16LBD43C
C16N32D100	706.00	B-5	16LBD43C
C16N32D160	706.00	B-5	16LBD43C
C16N34V100	2,473.50	B-5	16LBD43C
C16N34V160	2,993.00	B-5	16LBD43C
C16N3MA100	641.50	B-6	16LBD43C
C16N3MA150	642.50	B-6	16LBD43C
C16N3TM080	516.00	B-5	16LBD43C
C16N3TM100	516.00	B-5	16LBD43C
C16N3TM125	516.00	B-5	16LBD43C
C16N3TM160	519.00	B-5	16LBD43C
C16N4 + C1044A100	3,257.00	B-5	16LBD43C
C16N4 + C1045E100	2,717.50	B-6	16LBD43C
C16N4 + C1046E100	3,346.50	B-6	16LBD43C
C16N4 + C1047A100	4,174.50	B-6	16LBD43C
C16N4 + C1047E100	4,174.50	B-6	16LBD43C
C16N4 + C1644A160	3,895.00	B-5	16LBD43C
C16N4 + C1645E160	2,832.00	B-6	16LBD43C
C16N4 + C1646E160	3,523.50	B-6	16LBD43C
C16N4 + C1647A160	5,043.00	B-6	16LBD43C
C16N4 + C1647E160	5,043.00	B-6	16LBD43C
C16N42D100	1,180.50	B-5	16LBD43C
C16N42D160	1,194.00	B-5	16LBD43C
C16N44V100	3,134.00	B-5	16LBD43C
C16N44V160	3,743.50	B-5	16LBD43C
C16N4TM080	1,000.00	B-5	16LBD43C
C16N4TM100	1,000.00	B-5	16LBD43C
C16N4TM125	1,000.00	B-5	16LBD43C
C16N4TM160	1,008.50	B-5	16LBD43C
C16N6TM080	888.50	B-5	16LBD43C
C16N6TM100	888.50	B-5	16LBD43C
C16N6TM125	888.50	B-5	16LBD43C
C16N6TM160	893.00	B-5	16LBD43C
C16S3 + C1032D100	911.00	B-9	16LBD43C
C16S3 + C1034A100	2,782.50	B-9	16LBD43C
C16S3 + C1034V100	2,677.50	B-9	16LBD43C
C16S3 + C1035E100	2,372.50	B-10	16LBD43C
C16S3 + C1036E100	2,716.50	B-10	16LBD43C
C16S3 + C103MA100	845.50	B-10	16LBD43C
C16S3 + C103TM080	720.00	B-9	16LBD43C
C16S3 + C103TM100	720.00	B-9	16LBD43C
C16S3 + C1632D160	921.50	B-9	16LBD43C
C16S3 + C1634A160	3,328.50	B-9	16LBD43C

Reference	Price (S$)	Page	LCOS
C16S3 + C1634V160	3,197.50	B-9	16LBD43C
C16S3 + C1635E160	2,466.00	B-10	16LBD43C
C16S3 + C1636E160	2,830.00	B-10	16LBD43C
C16S3 + C163MA150	847.00	B-10	16LBD43C
C16S3 + C163TM125	720.00	B-9	16LBD43C
C16S3 + C163TM160	724.00	B-9	16LBD43C
C16S4 + C1042D100	1,524.00	B-9	16LBD43C
C16S4 + C1044A100	3,600.50	B-9	16LBD43C
C16S4 + C1044V100	3,478.50	B-9	16LBD43C
C16S4 + C1045E100	3,061.00	B-10	16LBD43C
C16S4 + C1046E100	3,690.00	B-10	16LBD43C
C16S4 + C1047A100	4,518.00	B-10	16LBD43C
C16S4 + C1047E100	4,518.00	B-10	16LBD43C
C16S4 + C106TM080	1,231.50	B-9	16LBD43C
C16S4 + C106TM100	1,231.50	B-9	16LBD43C
C16S4 + C1642D160	1,538.50	B-9	16LBD43C
C16S4 + C1644A160	4,238.50	B-9	16LBD43C
C16S4 + C1644V160	4,087.00	B-9	16LBD43C
C16S4 + C1645E160	3,175.50	B-10	16LBD43C
C16S4 + C1646E160	3,867.00	B-10	16LBD43C
C16S4 + C1647A160	5,386.50	B-10	16LBD43C
C16S4 + C1647E160	5,386.50	B-10	16LBD43C
C16S4 + C166TM125	1,231.50	B-9	16LBD43C
C16S4 + C166TM160	1,237.50	B-9	16LBD43C
C253250S	797.00	B-15	16LBD43C
C25B3 + C1034A100	2,773.50	B-1	16LBD43C
C25B3 + C1035E100	2,363.50	B-2	16LBD43C
C25B3 + C1036E100	2,707.50	B-2	16LBD43C
C25B3 + C1634A160	3,319.50	B-1	16LBD43C
C25B3 + C1635E160	2,457.00	B-2	16LBD43C
C25B3 + C1636E160	2,821.00	B-2	16LBD43C
C25B3 + C2534A250	3,810.50	B-1	16LBD43C
C25B3 + C2535E250	2,569.00	B-2	16LBD43C
C25B3 + C2536E250	2,876.00	B-2	16LBD43C
C25B32D100	900.50	B-1	16LBD43C
C25B32D160	911.50	B-1	16LBD43C
C25B32D250	911.50	B-1	16LBD43C
C25B34V100	2,668.00	B-1	16LBD43C
C25B34V160	3,187.50	B-1	16LBD43C
C25B34V250	3,655.50	B-1	16LBD43C
C25B3TM125	710.00	B-1	16LBD43C
C25B3TM160	713.50	B-1	16LBD43C
C25B3TM200	713.50	B-1	16LBD43C
C25B3TM250	713.50	B-1	16LBD43C
C25B4 + C1044A100	3,572.50	B-1	16LBD43C
C25B4 + C1045E100	3,033.00	B-2	16LBD43C
C25B4 + C1046E100	3,662.00	B-2	16LBD43C
C25B4 + C1047A100	4,490.00	B-2	16LBD43C
C25B4 + C1047E100	4,490.00	B-2	16LBD43C
C25B4 + C1644A160	4,210.50	B-1	16LBD43C
C25B4 + C1645E160	3,147.50	B-2	16LBD43C
C25B4 + C1646E160	3,839.00	B-2	16LBD43C
C25B4 + C1647A160	5,358.50	B-2	16LBD43C
C25B4 + C1647E160	5,358.50	B-2	16LBD43C
C25B4 + C2544A250	4,786.50	B-1	16LBD43C
C25B4 + C2545E250	3,320.50	B-2	16LBD43C
C25B4 + C2546E250	3,873.50	B-2	16LBD43C
C25B4 + C2547A250	6,139.50	B-2	16LBD43C
C25B4 + C2547E250	5,905.50	B-2	16LBD43C
C25B42D100	1,495.50	B-1	16LBD43C
C25B42D160	1,510.50	B-1	16LBD43C
C25B42D250	1,510.50	B-1	16LBD43C
C25B44V100	3,449.00	B-1	16LBD43C
C25B44V160	4,058.50	B-1	16LBD43C
C25B44V250	4,605.50	B-1	16LBD43C
C25B4TM125	1,315.00	B-1	16LBD43C
C25B4TM160	1,324.00	B-1	16LBD43C
C25B4TM200	1,324.00	B-1	16LBD43C
C25B4TM250	1,324.00	B-1	16LBD43C
C25B6TM125	1,203.50	B-1	16LBD43C
C25B6TM160	1,209.00	B-1	16LBD43C
C25B6TM200	1,209.00	B-1	16LBD43C
C25B6TM250	1,209.00	B-1	16LBD43C
C25F3 + C1034A100	2,806.50	B-3	16LBD43C
C25F3 + C1035E100	2,396.50	B-4	16LBD43C
C25F3 + C1036E100	2,740.50	B-4	16LBD43C
C25F3 + C1634A160	3,352.50	B-3	16LBD43C
C25F3 + C1635E160	2,490.00	B-4	16LBD43C
C25F3 + C1636E160	2,854.00	B-4	16LBD43C
C25F3 + C2534A250	3,843.50	B-3	16LBD43C
C25F3 + C2535E250	2,602.00	B-4	16LBD43C
C25F3 + C2536E250	2,909.00	B-4	16LBD43C
C25F32D100	934.00	B-3	16LBD43C
C25F32D160	944.00	B-3	16LBD43C
C25F32D250	944.00	B-3	16LBD43C
C25F34V100	2,700.50	B-3	16LBD43C
C25F34V160	3,220.50	B-3	16LBD43C
C25F34V250	3,689.00	B-3	16LBD43C
C25F3MA150	870.50	B-4	16LBD43C
C25F3MA220	895.50	B-4	16LBD43C
C25F3TM125	743.50	B-3	16LBD43C
C25F3TM160	746.50	B-3	16LBD43C
C25F3TM200	746.50	B-3	16LBD43C
C25F3TM250	746.50	B-3	16LBD43C
C25F4 + C1044A100	3,624.50	B-3	16LBD43C
C25F4 + C1045E100	3,085.00	B-4	16LBD43C
C25F4 + C1046E100	3,714.00	B-4	16LBD43C
C25F4 + C1047A100	4,542.00	B-4	16LBD43C
C25F4 + C1047E100	4,542.00	B-4	16LBD43C
C25F4 + C1644A160	4,262.50	B-3	16LBD43C
C25F4 + C1645E160	3,199.50	B-4	16LBD43C
C25F4 + C1646E160	3,891.00	B-4	16LBD43C
C25F4 + C1647A160	5,410.50	B-4	16LBD43C
C25F4 + C1647E160	5,410.50	B-4	16LBD43C
C25F4 + C2544A250	4,838.50	B-3	16LBD43C
C25F4 + C2545E250	3,372.50	B-4	16LBD43C
C25F4 + C2546E250	3,925.50	B-4	16LBD43C
C25F4 + C2547A250	6,191.50	B-4	16LBD43C
C25F4 + C2547E250	5,957.50	B-4	16LBD43C
C25F42D100	1,547.50	B-3	16LBD43C
C25F42D160	1,562.00	B-3	16LBD43C
C25F42D250	1,562.00	B-3	16LBD43C
C25F44V100	3,501.50	B-3	16LBD43C
C25F44V160	4,110.00	B-3	16LBD43C
C25F44V250	4,657.50	B-3	16LBD43C
C25F6TM125	1,255.50	B-3	16LBD43C
C25F6TM160	1,260.00	B-3	16LBD43C
C25F6TM200	1,260.00	B-3	16LBD43C
C25F6TM250	1,260.00	B-3	16LBD43C
C25H3 + C1034A100	3,123.00	B-7	16LBD43C
C25H3 + C1035E100	2,713.00	B-8	16LBD43C
C25H3 + C1036E100	3,057.00	B-8	16LBD43C
C25H3 + C1634A160	3,669.00	B-7	16LBD43C
C25H3 + C1635E160	2,806.50	B-8	16LBD43C
C25H3 + C1636E160	3,170.50	B-8	16LBD43C
C25H3 + C2534A250	4,160.00	B-7	16LBD43C
C25H3 + C2535E250	2,918.50	B-8	16LBD43C
C25H3 + C2536E250	3,225.50	B-8	16LBD43C
C25H32D100	1,250.50	B-7	16LBD43C
C25H32D160	1,260.00	B-7	16LBD43C
C25H32D250	1,260.00	B-7	16LBD43C
C25H34V100	3,017.50	B-7	16LBD43C
C25H34V160	3,537.00	B-7	16LBD43C
C25H34V250	4,005.00	B-7	16LBD43C
C25H3MA150	1,187.00	B-8	16LBD43C
C25H3MA220	1,211.50	B-8	16LBD43C
C25H3TM125	1,060.50	B-7	16LBD43C
C25H3TM160	1,063.50	B-7	16LBD43C
C25H3TM200	1,063.50	B-7	16LBD43C
C25H3TM250	1,063.50	B-7	16LBD43C
C25H4 + C1044A100	4,180.00	B-7	16LBD43C
C25H4 + C1045E100	3,640.50	B-8	16LBD43C
C25H4 + C1046E100	4,269.50	B-8	16LBD43C
C25H4 + C1047A100	5,097.50	B-8	16LBD43C
C25H4 + C1047E100	5,097.50	B-8	16LBD43C
C25H4 + C1644A160	4,818.00	B-7	16LBD43C
C25H4 + C1645E160	3,755.00	B-8	16LBD43C
C25H4 + C1646E160	4,446.50	B-8	16LBD43C
C25H4 + C1647A160	5,966.00	B-8	16LBD43C
C25H4 + C1647E160	5,966.00	B-8	16LBD43C
C25H4 + C2544A250	5,394.00	B-7	16LBD43C
C25H4 + C2545E250	3,928.00	B-8	16LBD43C
C25H4 + C2546E250	4,481.00	B-8	16LBD43C
C25H4 + C2547A250	6,747.00	B-8	16LBD43C
C25H4 + C2547E250	6,513.00	B-8	16LBD43C
C25H42D100	2,104.00	B-7	16LBD43C
C25H42D160	2,117.00	B-7	16LBD43C
C25H42D250	2,117.00	B-7	16LBD43C
C25H44V100	4,057.50	B-7	16LBD43C
C25H44V160	4,665.50	B-7	16LBD43C
C25H44V250	5,213.50	B-7	16LBD43C
C25H4TM125	1,923.50	B-7	16LBD43C
C25H4TM160	1,931.50	B-7	16LBD43C
C25H4TM200	1,931.50	B-7	16LBD43C
C25H4TM250	1,931.50	B-7	16LBD43C
C25H6TM125	1,810.50	B-7	16LBD43C
C25H6TM160	1,816.00	B-7	16LBD43C
C25H6TM200	1,816.00	B-7	16LBD43C
C25H6TM250	1,816.00	B-7	16LBD43C
C25L3 + C1032D100	1,748.00	B-11	16LBD43C
C25L3 + C1034A100	3,619.50	B-11	16LBD43C
C25L3 + C1034V100	3,514.50	B-11	16LBD43C
C25L3 + C1035E100	3,209.50	B-12	16LBD43C
C25L3 + C1036E100	3,553.50	B-12	16LBD43C
C25L3 + C1632D160	1,758.50	B-11	16LBD43C
C25L3 + C1634A160	4,165.50	B-11	16LBD43C
C25L3 + C1634V160	4,034.50	B-11	16LBD43C

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Reference	Price (S$)	Page	LCOS
C25L3 + C1635E160	3,303.00	B-12	16LBD43C
C25L3 + C1636E160	3,667.00	B-12	16LBD43C
C25L3 + C163MA150	1,684.00	B-12	16LBD43C
C25L3 + C163TM125	1,557.00	B-11	16LBD43C
C25L3 + C2532D250	1,758.50	B-11	16LBD43C
C25L3 + C2534A250	4,656.50	B-11	16LBD43C
C25L3 + C2534V250	4,502.50	B-11	16LBD43C
C25L3 + C2535E250	3,415.00	B-12	16LBD43C
C25L3 + C2536E250	3,722.00	B-12	16LBD43C
C25L3 + C253MA220	1,708.50	B-12	16LBD43C
C25L3 + C253TM160	1,561.00	B-11	16LBD43C
C25L3 + C253TM200	1,561.00	B-11	16LBD43C
C25L3 + C253TM250	1,561.00	B-11	16LBD43C
C25L4 + C1042D100	2,892.00	B-11	16LBD43C
C25L4 + C1044A100	4,968.50	B-11	16LBD43C
C25L4 + C1044V100	4,846.50	B-11	16LBD43C
C25L4 + C1045E100	4,429.00	B-12	16LBD43C
C25L4 + C1046E100	5,058.00	B-12	16LBD43C
C25L4 + C1047A100	5,886.00	B-12	16LBD43C
C25L4 + C1047E100	5,886.00	B-12	16LBD43C
C25L4 + C1642D160	2,906.50	B-11	16LBD43C
C25L4 + C1644A160	5,606.50	B-11	16LBD43C
C25L4 + C1644V160	5,455.00	B-11	16LBD43C
C25L4 + C1645E160	4,543.50	B-12	16LBD43C
C25L4 + C1646E160	5,235.00	B-12	16LBD43C
C25L4 + C1647A160	6,754.50	B-12	16LBD43C
C25L4 + C1647E160	6,754.50	B-12	16LBD43C
C25L4 + C166TM125	2,599.50	B-11	16LBD43C
C25L4 + C2542D250	2,906.50	B-11	16LBD43C
C25L4 + C2544A250	6,182.50	B-11	16LBD43C
C25L4 + C2544V250	6,002.00	B-11	16LBD43C
C25L4 + C2545E250	4,716.50	B-12	16LBD43C
C25L4 + C2546E250	5,269.50	B-12	16LBD43C
C25L4 + C2547A250	7,535.50	B-12	16LBD43C
C25L4 + C2547E250	7,301.50	B-12	16LBD43C
C25L4 + C256TM160	2,605.50	B-11	16LBD43C
C25L4 + C256TM200	2,605.50	B-11	16LBD43C
C25L4 + C256TM250	2,605.50	B-11	16LBD43C
C25N3 + C1034A100	2,953.00	B-5	16LBD43C
C25N3 + C1035E100	2,543.00	B-6	16LBD43C
C25N3 + C1036E100	2,887.00	B-6	16LBD43C
C25N3 + C1634A160	3,499.00	B-5	16LBD43C
C25N3 + C1635E160	2,636.50	B-6	16LBD43C
C25N3 + C1636E160	3,000.50	B-6	16LBD43C
C25N3 + C2534A250	3,990.00	B-5	16LBD43C
C25N3 + C2535E250	2,748.50	B-6	16LBD43C
C25N3 + C2536E250	3,055.50	B-6	16LBD43C
C25N32D100	1,081.00	B-5	16LBD43C
C25N32D160	1,090.50	B-5	16LBD43C
C25N32D250	1,090.50	B-5	16LBD43C
C25N34V100	2,848.00	B-5	16LBD43C
C25N34V160	3,367.50	B-5	16LBD43C
C25N34V250	3,835.00	B-5	16LBD43C
C25N3MA150	1,017.00	B-6	16LBD43C
C25N3MA220	1,041.50	B-6	16LBD43C
C25N3TM125	890.50	B-5	16LBD43C
C25N3TM160	893.00	B-5	16LBD43C
C25N3TM200	893.00	B-5	16LBD43C
C25N3TM250	893.00	B-5	16LBD43C
C25N4 + C1044A100	3,911.50	B-5	16LBD43C
C25N4 + C1045E100	3,372.00	B-6	16LBD43C
C25N4 + C1046E100	4,001.00	B-6	16LBD43C
C25N4 + C1047A100	4,829.00	B-6	16LBD43C
C25N4 + C1047E100	4,829.00	B-6	16LBD43C
C25N4 + C1644A160	4,549.50	B-5	16LBD43C
C25N4 + C1645E160	3,486.50	B-6	16LBD43C
C25N4 + C1646E160	4,178.00	B-6	16LBD43C
C25N4 + C1647A160	5,697.50	B-6	16LBD43C
C25N4 + C1647E160	5,697.50	B-6	16LBD43C
C25N4 + C2544A250	5,125.50	B-5	16LBD43C
C25N4 + C2545E250	3,659.50	B-6	16LBD43C
C25N4 + C2546E250	4,212.50	B-6	16LBD43C
C25N4 + C2547A250	6,478.50	B-6	16LBD43C
C25N4 + C2547E250	6,244.50	B-6	16LBD43C
C25N42D100	1,835.50	B-5	16LBD43C
C25N42D160	1,849.50	B-5	16LBD43C
C25N42D250	1,849.50	B-5	16LBD43C
C25N44V100	3,789.50	B-5	16LBD43C
C25N44V160	4,398.50	B-5	16LBD43C
C25N44V250	4,945.00	B-5	16LBD43C
C25N4TM125	1,655.50	B-5	16LBD43C
C25N4TM160	1,664.50	B-5	16LBD43C
C25N4TM200	1,664.50	B-5	16LBD43C
C25N4TM250	1,664.50	B-5	16LBD43C
C25N6TM125	1,543.00	B-5	16LBD43C
C25N6TM160	1,549.00	B-5	16LBD43C
C25N6TM200	1,549.00	B-5	16LBD43C
C25N6TM250	1,549.00	B-5	16LBD43C
C25R32D100	1,976.00	B-13	16LBD43C
C25R32D160	1,976.00	B-13	16LBD43C
C25R32D250	1,976.00	B-13	16LBD43C
C25R32M150	2,190.50	B-13	16LBD43C
C25R32M220	2,190.50	B-13	16LBD43C
C25R35E100	3,248.50	B-13	16LBD43C
C25R35E160	3,337.50	B-13	16LBD43C
C25R35E250	3,337.50	B-13	16LBD43C
C25R3MA150	1,894.00	B-13	16LBD43C
C25R3MA220	1,894.00	B-13	16LBD43C
C25R3TM125	1,695.50	B-13	16LBD43C
C25R3TM160	1,695.50	B-13	16LBD43C
C25R3TM200	1,695.50	B-13	16LBD43C
C25R3TM250	1,695.50	B-13	16LBD43C
C25R42D100	POA	B-13	16LBD43C
C25R42D160	POA	B-13	16LBD43C
C25R42D250	2,973.00	B-13	16LBD43C
C25R45E100	3,707.00	B-13	16LBD43C
C25R45E160	3,900.50	B-13	16LBD43C
C25R45E250	4,057.50	B-13	16LBD43C
C25R4TM125	2,433.00	B-13	16LBD43C
C25R4TM160	2,685.00	B-13	16LBD43C
C25R4TM200	2,870.00	B-13	16LBD43C
C25R4TM250	2,870.00	B-13	16LBD43C
C25S3 + C1032D100	1,475.00	B-9	16LBD43C
C25S3 + C1034A100	3,346.50	B-9	16LBD43C
C25S3 + C1034V100	3,241.50	B-9	16LBD43C
C25S3 + C1035E100	2,936.50	B-10	16LBD43C
C25S3 + C1036E100	3,280.50	B-10	16LBD43C
C25S3 + C1632D160	1,485.50	B-9	16LBD43C
C25S3 + C1634A160	3,892.50	B-9	16LBD43C
C25S3 + C1634V160	3,761.50	B-9	16LBD43C
C25S3 + C1635E160	3,030.00	B-10	16LBD43C
C25S3 + C1636E160	3,394.00	B-10	16LBD43C
C25S3 + C163MA150	1,411.00	B-10	16LBD43C
C25S3 + C163TM125	1,284.00	B-9	16LBD43C
C25S3 + C2532D250	1,485.50	B-9	16LBD43C
C25S3 + C2534A250	4,383.50	B-9	16LBD43C
C25S3 + C2534V250	4,229.50	B-9	16LBD43C
C25S3 + C2535E250	3,142.00	B-10	16LBD43C
C25S3 + C2536E250	3,449.00	B-10	16LBD43C
C25S3 + C253MA220	1,435.50	B-10	16LBD43C
C25S3 + C253TM160	1,288.00	B-9	16LBD43C
C25S3 + C253TM200	1,288.00	B-9	16LBD43C
C25S3 + C253TM250	1,288.00	B-9	16LBD43C
C25S4 + C1042D100	2,433.50	B-9	16LBD43C
C25S4 + C1044A100	4,510.00	B-9	16LBD43C
C25S4 + C1044V100	4,388.00	B-9	16LBD43C
C25S4 + C1045E100	3,970.50	B-10	16LBD43C
C25S4 + C1046E100	4,599.50	B-10	16LBD43C
C25S4 + C1047A100	5,427.50	B-10	16LBD43C
C25S4 + C1047E100	5,427.50	B-10	16LBD43C
C25S4 + C1642D160	2,448.00	B-9	16LBD43C
C25S4 + C1644A160	5,148.00	B-9	16LBD43C
C25S4 + C1644V160	4,996.50	B-9	16LBD43C
C25S4 + C1645E160	4,085.00	B-10	16LBD43C
C25S4 + C1646E160	4,776.50	B-10	16LBD43C
C25S4 + C1647A160	6,296.00	B-10	16LBD43C
C25S4 + C1647E160	6,296.00	B-10	16LBD43C
C25S4 + C166TM125	2,141.00	B-9	16LBD43C
C25S4 + C2542D250	2,448.00	B-9	16LBD43C
C25S4 + C2544A250	5,724.00	B-9	16LBD43C
C25S4 + C2544V250	5,543.50	B-9	16LBD43C
C25S4 + C2545E250	4,258.00	B-10	16LBD43C
C25S4 + C2546E250	4,811.00	B-10	16LBD43C
C25S4 + C2547A250	7,077.00	B-10	16LBD43C
C25S4 + C2547E250	6,843.00	B-10	16LBD43C
C25S4 + C256TM160	2,147.00	B-9	16LBD43C
C25S4 + C256TM200	2,147.00	B-9	16LBD43C
C25S4 + C256TM250	2,147.00	B-9	16LBD43C
C25V32D100	2,231.50	B-14	16LBD43C
C25V32D160	2,231.50	B-14	16LBD43C
C25V32D250	2,231.50	B-14	16LBD43C
C25V32M150	2,445.50	B-14	16LBD43C
C25V32M220	2,445.50	B-14	16LBD43C
C25V35E100	3,538.50	B-14	16LBD43C
C25V35E160	3,590.00	B-14	16LBD43C
C25V35E250	3,590.00	B-14	16LBD43C
C25V3MA150	2,148.00	B-14	16LBD43C
C25V3MA220	2,148.00	B-14	16LBD43C
C25V3TM125	1,950.50	B-14	16LBD43C
C25V3TM160	1,950.50	B-14	16LBD43C
C25V3TM200	1,950.50	B-14	16LBD43C
C25V3TM250	1,950.50	B-14	16LBD43C
C25V42D100	POA	B-14	16LBD43C
C25V42D160	POA	B-14	16LBD43C
C25V42D250	3,278.00	B-14	16LBD43C
C25V45E100	4,046.00	B-14	16LBD43C
C25V45E160	4,246.00	B-14	16LBD43C

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C25V45E250	4,410.00	B-14	16LBD43C
C25V4TM125	2,712.00	B-14	16LBD43C
C25V4TM160	2,976.00	B-14	16LBD43C
C25V4TM200	3,170.00	B-14	16LBD43C
C25V4TM250	3,170.00	B-14	16LBD43C
C25W32D100	2,523.50	B-15	16LBD43C
C25W32D160	2,523.50	B-15	16LBD43C
C25W32D250	2,523.50	B-15	16LBD43C
C25W32M150	2,738.50	B-15	16LBD43C
C25W32M220	2,738.50	B-15	16LBD43C
C25W35E100	4,347.00	B-15	16LBD43C
C25W35E160	4,347.00	B-15	16LBD43C
C25W35E250	4,347.00	B-15	16LBD43C
C25W3MA150	2,440.00	B-15	16LBD43C
C25W3MA220	2,440.00	B-15	16LBD43C
C25W3TM125	2,243.50	B-15	16LBD43C
C25W3TM160	2,293.00	B-15	16LBD43C
C25W3TM200	2,442.00	B-15	16LBD43C
C25W3TM250	2,442.00	B-15	16LBD43C
C25W42D100	3,821.50	B-15	16LBD43C
C25W42D160	POA	B-15	16LBD43C
C25W42D250	4,097.50	B-15	16LBD43C
C25W45E100	5,118.50	B-15	16LBD43C
C25W45E160	5,349.00	B-15	16LBD43C
C25W45E250	5,536.00	B-15	16LBD43C
C25W4TM125	3,590.00	B-15	16LBD43C
C25W4TM160	3,849.50	B-15	16LBD43C
C25W4TM200	3,849.50	B-15	16LBD43C
C25W4TM250	3,849.50	B-15	16LBD43C
C403400S + (2X) LV432490	1,281.50	B-39	16LBD43C
C404400S + (2X) LV432491	1,733.00	B-39	16LBD43C
C40F3 + C4032D400 + (2X)LV432490	1,315.50	B-26	16LBD43C
C40F3 + C4034A400 + (2X)LV432490	3,651.50	B-26	16LBD43C
C40F3 + C4034V400 + (2X)LV432490	3,567.50	B-26	16LBD43C
C40F3 + C4035E400 + (2X)LV432490	2,442.00	B-26	16LBD43C
C40F3 + C4036E400 + (2X)LV432490	3,177.00	B-26	16LBD43C
C40F3 + C4037A400 + (2X)LV432490	4,481.50	B-27	16LBD43C
C40F3 + C4037E400 + (2X)LV432490	4,425.50	B-27	16LBD43C
C40F31M320	1,445.50	B-27	16LBD43C
C40F32M320	1,738.50	B-27	16LBD43C
C40F4 + C4042D400 + (2X)LV432491	1,872.50	B-26	16LBD43C
C40F4 + C4044A400 + (2X)LV432491	4,174.00	B-26	16LBD43C
C40F4 + C4044V400 + (2X)LV432491	4,085.00	B-26	16LBD43C
C40F4 + C4045E400 + (2X)LV432491	3,792.00	B-26	16LBD43C
C40F4 + C4046E400 + (2X)LV432491	3,792.00	B-26	16LBD43C
C40F4 + C4047A400 + (2X)LV432491	5,037.00	B-27	16LBD43C
C40F4 + C4047E400 + (2X)LV432491	4,978.00	B-27	16LBD43C
C40H3 + C4032D400 + (2X)LV432490	1,730.50	B-30	16LBD43C
C40H3 + C4034A400 + (2X)LV432490	4,066.50	B-30	16LBD43C
C40H3 + C4034V400 + (2X)LV432490	3,982.50	B-30	16LBD43C
C40H3 + C4035E400 + (2X)LV432490	2,857.00	B-30	16LBD43C
C40H3 + C4036E400 + (2X)LV432490	3,592.00	B-30	16LBD43C
C40H3 + C4037A400 + (2X)LV432490	4,896.50	B-31	16LBD43C
C40H3 + C4037E400 + (2X)LV432490	4,840.50	B-31	16LBD43C
C40H31M320	1,859.50	B-31	16LBD43C
C40H32M320	2,153.50	B-31	16LBD43C
C40H4 + C4042D400 + (2X)LV432491	2,837.00	B-30	16LBD43C
C40H4 + C4044A400 + (2X)LV432491	5,138.50	B-30	16LBD43C
C40H4 + C4044V400 + (2X)LV432491	5,049.50	B-30	16LBD43C
C40H4 + C4045E400 + (2X)LV432491	4,756.50	B-30	16LBD43C
C40H4 + C4046E400 + (2X)LV432491	4,756.50	B-30	16LBD43C
C40H4 + C4047A400 + (2X)LV432491	6,001.50	B-31	16LBD43C
C40H4 + C4047E400 + (2X)LV432491	5,942.50	B-31	16LBD43C
C40L3 + C4031M320	2,637.00	B-35	16LBD43C
C40L3 + C4032D400 + (2X)LV432490	2,507.00	B-34	16LBD43C
C40L3 + C4032M320	2,930.50	B-35	16LBD43C
C40L3 + C4034A400 + (2X)LV432490	4,843.00	B-34	16LBD43C
C40L3 + C4034V400 + (2X)LV432490	4,759.00	B-34	16LBD43C
C40L3 + C4035E400 + (2X)LV432490	3,633.50	B-34	16LBD43C
C40L3 + C4036E400 + (2X)LV432490	4,368.50	B-34	16LBD43C
C40L3 + C4037A400 + (2X)LV432490	5,673.00	B-35	16LBD43C
C40L3 + C4037E400 + (2X)LV432490	5,617.00	B-35	16LBD43C
C40L4 + C4042D400 + (2X)LV432491	4,116.00	B-34	16LBD43C
C40L4 + C4044A400 + (2X)LV432491	6,417.50	B-34	16LBD43C
C40L4 + C4044V400 + (2X)LV432491	6,328.50	B-34	16LBD43C
C40L4 + C4045E400 + (2X)LV432491	6,035.50	B-34	16LBD43C
C40L4 + C4046E400 + (2X)LV432491	6,035.50	B-34	16LBD43C
C40L4 + C4047A400 + (2X)LV432491	7,280.50	B-35	16LBD43C
C40L4 + C4047E400 + (2X)LV432491	7,221.50	B-35	16LBD43C
C40N3 + C4032D400 + (2X)LV432490	1,379.50	B-28	16LBD43C
C40N3 + C4034A400 + (2X)LV432490	3,715.50	B-28	16LBD43C
C40N3 + C4034V400 + (2X)LV432490	3,631.50	B-28	16LBD43C
C40N3 + C4035E400 + (2X)LV432490	2,506.00	B-28	16LBD43C
C40N3 + C4036E400 + (2X)LV432490	3,241.00	B-28	16LBD43C
C40N3 + C4037A400 + (2X)LV432490	4,545.50	B-29	16LBD43C
C40N3 + C4037E400 + (2X)LV432490	4,489.50	B-29	16LBD43C
C40N31M320	1,508.00	B-29	16LBD43C
C40N32M320	1,802.00	B-29	16LBD43C
C40N4 + C4042D400 + (2X)LV432491	2,366.50	B-28	16LBD43C
C40N4 + C4044A400 + (2X)LV432491	4,668.00	B-28	16LBD43C
C40N4 + C4044V400 + (2X)LV432491	4,579.00	B-28	16LBD43C
C40N4 + C4045E400 + (2X)LV432491	4,286.00	B-28	16LBD43C
C40N4 + C4046E400 + (2X)LV432491	4,286.00	B-28	16LBD43C
C40N4 + C4047A400 + (2X)LV432491	5,531.00	B-29	16LBD43C
C40N4 + C4047E400 + (2X)LV432491	5,472.00	B-29	16LBD43C
C40R31M320	2,797.00	B-36	16LBD43C
C40R32D400 + (2X) LV432490	2,782.00	B-36	16LBD43C
C40R32M320	2,952.50	B-36	16LBD43C
C40R35E400 + (2X) LV432490	4,361.50	B-36	16LBD43C
C40R42D400 + (2X) LV432491	4,500.50	B-36	16LBD43C
C40R45E400 + (2X) LV432491	5,871.50	B-36	16LBD43C
C40S3 + C4031M320	2,202.50	B-33	16LBD43C
C40S3 + C4032D400 + (2X)LV432490	2,072.50	B-32	16LBD43C
C40S3 + C4032M320	2,496.00	B-33	16LBD43C
C40S3 + C4034A400 + (2X)LV432490	4,408.50	B-32	16LBD43C
C40S3 + C4034V400 + (2X)LV432490	4,324.50	B-32	16LBD43C
C40S3 + C4035E400 + (2X)LV432490	3,199.00	B-32	16LBD43C
C40S3 + C4036E400 + (2X)LV432490	3,934.00	B-32	16LBD43C

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C40S3 + C4037A400 + (2X)LV432490	5,238.50	B-33	16LBD43C
C40S3 + C4037E400 + (2X)LV432490	5,182.50	B-33	16LBD43C
C40S4 + C4042D400 + (2X)LV432491	3,432.00	B-32	16LBD43C
C40S4 + C4044A400 + (2X)LV432491	5,733.50	B-32	16LBD43C
C40S4 + C4044V400 + (2X)LV432491	5,644.50	B-32	16LBD43C
C40S4 + C4045E400 + (2X)LV432491	5,351.50	B-32	16LBD43C
C40S4 + C4046E400 + (2X)LV432491	5,351.50	B-32	16LBD43C
C40S4 + C4047A400 + (2X)LV432491	6,596.50	B-33	16LBD43C
C40S4 + C4047E400 + (2X)LV432491	6,537.50	B-33	16LBD43C
C40V31M320	3,091.00	B-37	16LBD43C
C40V32D400 + (2X) LV432490	3,299.00	B-37	16LBD43C
C40V32M320	3,327.50	B-37	16LBD43C
C40V35E400 + (2X) LV432490	4,593.50	B-37	16LBD43C
C40V42D400 + (2X) LV432491	4,920.00	B-37	16LBD43C
C40V45E400 + (2X) LV432491	7,128.00	B-37	16LBD43C
C40W31M320	3,642.50	B-38	16LBD43C
C40W32D400 + (2X) LV432490	3,839.00	B-38	16LBD43C
C40W32M320	3,739.00	B-38	16LBD43C
C40W35E400 + (2X) LV432490	5,224.50	B-38	16LBD43C
C40W42D400 + (2X) LV432491	6,001.00	B-38	16LBD43C
C40W45E400 + (2X) LV432491	8,006.50	B-38	16LBD43C
C633630S + (2X) LV432492	1,916.50	B-39	16LBD43C
C634630S + (2X) LV432493	2,633.00	B-39	16LBD43C
C63F3 + C6332D630 + (2X)LV432492	1,693.50	B-26	16LBD43C
C63F3 + C6334A570 + (2X)LV432492	4,276.50	B-26	16LBD43C
C63F3 + C6334V570 + (2X)LV432492	4,185.50	B-26	16LBD43C
C63F3 + C6335E630 + (2X)LV432492	2,849.00	B-26	16LBD43C
C63F3 + C6336E630 + (2X)LV432492	4,011.50	B-26	16LBD43C
C63F3 + C6337A570 + (2X)LV432492	5,178.00	B-27	16LBD43C
C63F3 + C6337E570 + (2X)LV432492	5,115.50	B-27	16LBD43C
C63F31M500	1,918.50	B-27	16LBD43C
C63F4 + C6342D630 + (2X)LV432493	2,795.00	B-26	16LBD43C
C63F4 + C6344A570 + (2X)LV432493	4,763.50	B-26	16LBD43C
C63F4 + C6344V570 + (2X)LV432493	4,668.50	B-26	16LBD43C
C63F4 + C6345E630 + (2X)LV432493	4,270.50	B-26	16LBD43C
C63F4 + C6346E630 + (2X)LV432493	4,517.50	B-26	16LBD43C
C63F4 + C6347A570 + (2X)LV432493	5,700.00	B-27	16LBD43C
C63F4 + C6347E570 + (2X)LV432493	5,635.50	B-27	16LBD43C
C63H3 + C6332D630 + (2X)LV432492	2,316.50	B-30	16LBD43C
C63H3 + C6334A570 + (2X)LV432492	4,899.50	B-30	16LBD43C
C63H3 + C6334V570 + (2X)LV432492	4,808.50	B-30	16LBD43C
C63H3 + C6335E630 + (2X)LV432492	3,472.00	B-30	16LBD43C
C63H3 + C6336E630 + (2X)LV432492	4,634.50	B-30	16LBD43C
C63H3 + C6337A570 + (2X)LV432492	5,801.00	B-31	16LBD43C
C63H3 + C6337E570 + (2X)LV432492	5,738.50	B-31	16LBD43C
C63H31M500	2,350.50	B-31	16LBD43C
C63H4 + C6342D630 + (2X)LV432493	3,892.50	B-30	16LBD43C
C63H4 + C6344A570 + (2X)LV432493	5,861.00	B-30	16LBD43C
C63H4 + C6344V570 + (2X)LV432493	5,766.00	B-30	16LBD43C
C63H4 + C6345E630 + (2X)LV432493	5,368.00	B-30	16LBD43C
C63H4 + C6346E630 + (2X)LV432493	5,615.00	B-30	16LBD43C
C63H4 + C6347A570 + (2X)LV432493	6,797.50	B-31	16LBD43C
C63H4 + C6347E570 + (2X)LV432493	6,733.00	B-31	16LBD43C
C63L3 + C6331M500	3,716.50	B-35	16LBD43C
C63L3 + C6332D630 + (2X)LV432492	3,490.50	B-34	16LBD43C
C63L3 + C6332M500	3,904.00	B-35	16LBD43C
C63L3 + C6334A570 + (2X)LV432492	6,073.50	B-34	16LBD43C
C63L3 + C6334V570 + (2X)LV432492	5,982.50	B-34	16LBD43C
C63L3 + C6335E630 + (2X)LV432492	4,646.00	B-34	16LBD43C
C63L3 + C6336E630 + (2X)LV432492	5,808.50	B-34	16LBD43C
C63L3 + C6337A570 + (2X)LV432492	6,975.00	B-35	16LBD43C
C63L3 + C6337E570 + (2X)LV432492	6,912.50	B-35	16LBD43C
C63L4 + C6342D630 + (2X)LV432493	5,558.50	B-34	16LBD43C
C63L4 + C6344A570 + (2X)LV432493	7,527.00	B-34	16LBD43C
C63L4 + C6344V570 + (2X)LV432493	7,432.00	B-34	16LBD43C
C63L4 + C6345E630 + (2X)LV432493	7,034.00	B-34	16LBD43C
C63L4 + C6346E630 + (2X)LV432493	7,281.00	B-34	16LBD43C
C63L4 + C6347A570 + (2X)LV432493	8,463.50	B-35	16LBD43C
C63L4 + C6347E570 + (2X)LV432493	8,399.00	B-35	16LBD43C
C63N3 + C6332D630 + (2X)LV432492	1,991.00	B-28	16LBD43C
C63N3 + C6334A570 + (2X)LV432492	4,574.00	B-28	16LBD43C
C63N3 + C6334V570 + (2X)LV432492	4,483.00	B-28	16LBD43C
C63N3 + C6335E630 + (2X)LV432492	3,146.50	B-28	16LBD43C
C63N3 + C6336E630 + (2X)LV432492	4,309.00	B-28	16LBD43C
C63N3 + C6337A570 + (2X)LV432492	5,475.50	B-29	16LBD43C
C63N3 + C6337E570 + (2X)LV432492	5,413.00	B-29	16LBD43C
C63N31M500	2,216.50	B-29	16LBD43C
C63N4 + C6342D630 + (2X)LV432493	3,300.50	B-28	16LBD43C
C63N4 + C6344A570 + (2X)LV432493	5,269.00	B-28	16LBD43C
C63N4 + C6344V570 + (2X)LV432493	5,174.00	B-28	16LBD43C
C63N4 + C6345E630 + (2X)LV432493	4,776.00	B-28	16LBD43C
C63N4 + C6346E630 + (2X)LV432493	5,023.00	B-28	16LBD43C
C63N4 + C6347A570 + (2X)LV432493	6,205.50	B-29	16LBD43C
C63N4 + C6347E570 + (2X)LV432493	6,141.00	B-29	16LBD43C
C63R31M500	3,740.00	B-36	16LBD43C
C63R32D630 + (2X) LV432492	3,714.00	B-36	16LBD43C
C63R32M500	3,899.50	B-36	16LBD43C
C63R35E630 + (2X) LV432492	5,387.00	B-36	16LBD43C
C63R42D630 + (2X) LV432493	5,797.00	B-36	16LBD43C
C63R45E630 + (2X) LV432493	7,124.00	B-36	16LBD43C
C63S3 + C6331M500	3,113.50	B-33	16LBD43C
C63S3 + C6332D630 + (2X)LV432492	2,887.50	B-32	16LBD43C
C63S3 + C6332M500	3,301.00	B-33	16LBD43C

Reference	Price (S$)	Page	LCOS
C63S3 + C6334A570 + (2X)LV432492	5,470.50	B-32	16LBD43C
C63S3 + C6334V570 + (2X)LV432492	5,379.50	B-32	16LBD43C
C63S3 + C6335E630 + (2X)LV432492	4,043.00	B-32	16LBD43C
C63S3 + C6336E630 + (2X)LV432492	5,205.50	B-32	16LBD43C
C63S3 + C6337A570 + (2X)LV432492	6,372.00	B-33	16LBD43C
C63S3 + C6337E570 + (2X)LV432492	6,309.50	B-33	16LBD43C
C63S4 + C6342D630 + (2X)LV432493	4,745.00	B-32	16LBD43C
C63S4 + C6344A570 + (2X)LV432493	6,713.50	B-32	16LBD43C
C63S4 + C6344V570 + (2X)LV432493	6,618.50	B-32	16LBD43C
C63S4 + C6345E630 + (2X)LV432493	6,220.50	B-32	16LBD43C
C63S4 + C6346E630 + (2X)LV432493	6,467.50	B-32	16LBD43C
C63S4 + C6347A570 + (2X)LV432493	7,650.00	B-33	16LBD43C
C63S4 + C6347E570 + (2X)LV432493	7,585.50	B-33	16LBD43C
C63V31M500	4,058.50	B-37	16LBD43C
C63V32D630 + (2X) LV432492	4,300.00	B-37	16LBD43C
C63V32M500	4,208.50	B-37	16LBD43C
C63V35E630 + (2X) LV432492	5,716.00	B-37	16LBD43C
C63V42D630 + (2X) LV432493	6,722.50	B-37	16LBD43C
C63V45E630 + (2X) LV432493	8,930.50	B-37	16LBD43C
C63W31M500	4,931.00	B-38	16LBD43C
C63W32D630 + (2X) LV432492	4,867.50	B-38	16LBD43C
C63W32M500	5,081.00	B-38	16LBD43C
C63W35E630 + (2X) LV432492	6,588.00	B-38	16LBD43C
C63W42D630 + (2X) LV432493	8,200.00	B-38	16LBD43C
C63W45E630 + (2X) LV432493	9,742.00	B-38	16LBD43C
CA2KN22B7	68.1	G-2	16IDC31A
CA2KN22F7	68.1	G-2	16IDC31A
CA2KN22M7	68.1	G-2	16IDC31A
CA2KN22P7	68.1	G-2	16IDC31A
CA2KN22U7	68.1	G-2	16IDC31A
CA2KN31B7	68.1	G-2	16IDC31A
CA2KN31F7	68.1	G-2	16IDC31A
CA2KN31M7	68.1	G-2	16IDC31A
CA2KN31P7	68.1	G-2	16IDC31A
CA2KN31U7	68.1	G-2	16IDC31A
CA2KN40B7	68.1	G-2	16IDC31A
CA2KN40F7	68.1	G-2	16IDC31A
CA2KN40M7	68.1	G-2	16IDC31A
CA2KN40P7	68.1	G-2	16IDC31A
CA2KN40U7	68.1	G-2	16IDC31A
CA2SK11F7	85.7	G-1	16IDC31A
CA2SK11M7	85.7	G-1	16IDC31A
CA2SK11P7	85.7	G-1	16IDC31A
CA2SK20F7	85.7	G-1	16IDC31A
CA2SK20M7	85.7	G-1	16IDC31A
CA2SK20P7	85.7	G-1	16IDC31A
CA2SK20U7	85.7	G-1	16IDC31A
CA3KN22BD	134	G-2	16IDC31A
CA3KN31BD	134	G-2	16IDC31A
CA3KN40BD	134	G-2	16IDC31A
CA3SK11BD	111.8	G-1	16IDC31A
CA3SK20BD	111.8	G-1	16IDC31A
CA4KN22BW3	276.3	G-2	16IDC31A
CA4KN31BW3	276.3	G-2	16IDC31A
CA4KN40BW3	276.3	G-2	16IDC31A
CAD32F7	107	G-3	16IDC31A
CAD32M7	107	G-3	16IDC31A
CAD32P7	107	G-3	16IDC31A
CAD32U7	107	G-3	16IDC31A
CAD50F7	107	G-3	16IDC31A
CAD50M7	107	G-3	16IDC31A
CAD50P7	107	G-3	16IDC31A
CAD50U7	107	G-3	16IDC31A
CCT15365	143.30	D-33	16LBD41A
CCT15367	147.70	D-33	16LBD41A
CCT15854	193.00	D-33	16LBD41A
D			
DL1CB006	4.84	2-33	16IDC32B
DL1CB012	POR	2-33	16IDC32B
DL1CE024	8.45	2-33	16IDC32B
DL1CE048	8.45	2-33	16IDC32B
DL1CE130	8.45	2-33	16IDC32B
DL1CF110	11.95	2-33	16IDC32B
DL1CF220	11.95	2-33	16IDC32B
E			
EALADP	123.60	2-49	16IPG71A
EALALP	8,868.30	2-49	16IPG71A
EALAMP	857.99	2-49	16IPG71A
EALANP	484.10	2-49	16IPG71A
EALASP	2,441.10	2-49	16IPG71A
EALBFC	26,922.14	2-49	16IPG71A
EALBTC	11,128.12	2-49	16IPG71A
EALBTEP24	3,118.84	2-50	16IPG71A
EALBTLC	POR	2-50	16IPG71A
EALCUP	POR	2-49	16IPG71A
EALDCP	5,384.84	2-49	16ICE51A
EALDHACP	6,820.15	2-49	16IPG71A
EALDHAMP	61,022.35	2-49	16IPG71A
EALDHAVMP	251,268.50	2-49	16IPG71A
EALDHAXP	721.00	2-50	16IPG71A
EALDHP	210.12	2-49	16IPG72B
EALDMP	43,074.60	2-49	16IPG73C
EALDSP	94.76	2-49	16IPG71A
EALDVMP	179,477.50	2-49	16IPG73C
EALDXP	360.50	2-50	16IPG71A
EALH1P	412.00	2-49	16IPG71A
EALH2P	POR	2-49	16IPG71A
EALUAOC	1,794.78	2-49	16IPG71A
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EER31800	829.00	D-17	16LBD48H
ESECAPCZZSPAZZ	3,708.31	2-46	16IPG72B
ESEEXPCZZSPAZZ	1,514.82	2-46	16IPG72B
ESEMALCZTSXAZZ	423.74	2-45	16IPG72B
ESETBSCZLSXAZZ	25,708.80	2-43	16IPG72B
ESETBSCZLSXBZZ	32,136.00	2-43	16IPG72B
ESETBSCZMSXAZZ	17,139.20	2-43	16IPG72B
ESETBSCZMSXBZZ	21,424.00	2-43	16IPG72B
ESETBSCZSSXAZZ	9,640.80	2-43	16IPG72B
ESETBSCZSSXBZZ	12,051.00	2-43	16IPG72B
ESETDSCZLSXAZZ	51,417.60	2-43	16IPG72B
ESETDSCZLSXBZZ	90,640.00	2-43	16IPG72B
ESETDSCZMSXAZZ	38,563.20	2-43	16IPG72B
ESETDSCZMSXBZZ	48,204.00	2-43	16IPG72B
ESETDSSCZMSXAZZ	POR	2-43	16IPG72B
ESETDSSCZSSXAZZ	POR	2-43	16IPG72B
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EVCM100D5W21	29,195.00	I-5	16LBD49I
EVCP075D5CH00	23,356.00	I-5	16LBD49I
EVCP075D5W01	25,302.00	I-5	16LBD49I
EVCP075D5W02	27,249.00	I-5	16LBD49I
EVCP075D5W20	23,356.00	I-5	16LBD49I
EVCP075D5W31	23,356.00	I-5	16LBD49I
EVCP100D5CH00	23,356.00	I-5	16LBD49I
EVCP100D5W01	23,356.00	I-5	16LBD49I
EVCP100D5W02	29,195.00	I-5	16LBD49I
EVCP100D5W20	29,195.00	I-5	16LBD49I
EVCP100D5W31	29,195.00	I-5	16LBD49I
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EZ9A29927	10.50	D-8	16LBD49S
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EZ9F27110	4.25	D-7	16REA14D
EZ9F27116	4.25	D-7	16REA14D
EZ9F27120	4.25	D-7	16REA14D
EZ9F27125	4.25	D-7	16REA14D
EZ9F27132	4.25	D-7	16REA14D
EZ9F27140	4.25	D-7	16REA14D
EZ9F27150	7.25	D-7	16REA14D
EZ9F27163	7.25	D-7	16REA14D
EZ9F27202	23.75	D-7	16REA14D
EZ9F27206	16.25	D-7	16REA14D
EZ9F27210	16.25	D-7	16REA14D
EZ9F27216	16.25	D-7	16REA14D
EZ9F27220	16.25	D-7	16REA14D
EZ9F27225	16.25	D-7	16REA14D
EZ9F27232	16.25	D-7	16REA14D
EZ9F27240	16.25	D-7	16REA14D
EZ9F27250	24.25	D-7	16REA14D
EZ9F27263	24.25	D-7	16REA14D
EZ9F27306	22.75	D-7	16REA14D
EZ9F27310	22.75	D-7	16REA14D
EZ9F27316	22.75	D-7	16REA14D
EZ9F27320	22.75	D-7	16REA14D

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Reference	Price (S$)	Page	LCOS
EZ9F27325	22.75	D-7	16REA14D
EZ9F27332	22.75	D-7	16REA14D
EZ9F27340	22.75	D-7	16REA14D
EZ9F27350	31.75	D-7	16REA14D
EZ9F27363	31.75	D-7	16REA14D
EZ9F27406	31.00	D-7	16REA14D
EZ9F27410	31.00	D-7	16REA14D
EZ9F27416	31.00	D-7	16REA14D
EZ9F27420	31.00	D-7	16REA14D
EZ9F27425	31.00	D-7	16REA14D
EZ9F27432	31.00	D-7	16REA14D
EZ9F27440	31.00	D-7	16REA14D
EZ9F27450	46.50	D-7	16REA14D
EZ9F27463	46.50	D-7	16REA14D
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EZ9F29110	6.25	D-8	16LBD49S
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EZ9F29120	6.25	D-8	16LBD49S
EZ9F29125	6.25	D-8	16LBD49S
EZ9F29132	6.25	D-8	16LBD49S
EZ9F29140	6.25	D-8	16LBD49S
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EZ9F29163	10.75	D-8	16LBD49S
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EZ9F29210	17.25	D-8	16LBD49S
EZ9F29216	17.25	D-8	16LBD49S
EZ9F29220	17.25	D-8	16LBD49S
EZ9F29225	17.25	D-8	16LBD49S
EZ9F29232	17.25	D-8	16LBD49S
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EZ9F57232	16.25	D-7	16REA14D
EZ9F57240	16.25	D-7	16REA14D
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EZ9F59216	17.25	D-8	16LBD49S
EZ9F59220	17.25	D-8	16LBD49S
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EZ9F59463	56.25	D-8	16LBD49S
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EZ9R69463	63.50	D-12	16LBD49S
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EZ9S16263	24.75	D-7	16REA14D
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EZAFASB2	8.05	B-77	16SMB22B
EZAFSHB3	38.00	B-77	16SMB22B
EZALOCK	13.00	B-78	16SMB22B
EZALUG0502	22.00	B-77	16SMB22B
EZALUG0503	21.00	B-77	16SMB22B
EZALUG1002	24.50	B-77	16SMB22B
EZALUG1003	22.50	B-77	16SMB22B
EZAPLUG3H	154.50	B-77	16SMB22B
EZAPLUG3L	200.85	B-77	16SMB22B
EZAROTDS	79.00	B-78	16SMB22B
EZAROTE	136.50	B-78	16SMB22B
EZASHT024DC	97.50	B-78	16SMB22B
EZASHT100AC	97.50	B-78	16SMB22B
EZASHT200AC	97.50	B-78	16SMB22B
EZASHT380AC	179.40	B-78	16SMB22B
EZASPDR3P	11.00	B-77	16SMB22B
EZASPDR4P	23.00	B-77	16SMB22B
EZATSHD3P	27.50	B-77	16SMB22B
EZATSHD4P	55.25	B-77	16SMB22B
EZAUVR200AC	168.50	B-78	16SMB22B
EZAUVR380AC	168.50	B-78	16SMB22B
EZAUX01	41.50	B-77	16SMB22B
EZAUX10	38.00	B-77	16SMB22B
EZAUX11	69.00	B-77	16SMB22B
EZC100B3015	108.00	B-76	16SMB22B
EZC100B3020	108.00	B-76	16SMB22B
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EZESPDR4P	28.00	B-81	16SMB22B

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GM2AD4N20H4BEE	19,069.05	C-4	16LBD48R
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GMSAUXCK03	74.00	C-4	16LBD48R
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GMSAUXCK06	97.31	C-4	16LBD48R
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GV3P32	387.8	G-30	16IDC31A
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GV3P65	474.2	G-30	16IDC31A
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GV3P80	522	G-30	16IDC31A
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GV4APN02	220.1	G-35	16IDC31A
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GV4AS487	595.4	G-35	16IDC31A
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GV4AU415	774	G-35	16IDC31A
GV4L115B	621.6	G-31	16IDC31A
GV4L115N	664.8	G-31	16IDC31A
GV4L50B	724.4	G-31	16IDC31A
GV4L50N	628.1	G-31	16IDC31A
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GV4L80S	660.8	G-31	16IDC31A
GV4LE115B	578.4	G-31	16IDC31A
GV4LE115N	595.4	G-31	16IDC31A
GV4LE115S	614.4	G-31	16IDC31A
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GV4LE50S	606.6	G-31	16IDC31A
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GV4LE80N	592.1	G-31	16IDC31A
GV4LE80S	609.7	G-31	16IDC31A
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GV4P115S	1193.2	G-31	16IDC31A
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GV4PEM80B	1656.8	G-31	16IDC31A
GV4PEM80N	1406	G-31	16IDC31A
GV4PEM80S	1478	G-31	16IDC31A
GV5P150F	1511.6	G-32	16IDC31A
GV5P150H	1461.5	G-32	16IDC31A
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GV5P220H	1780.8	G-32	16IDC31A
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GVAS055	83.3	G-33	16IDC31A
GVAS115	83.9	G-33	16IDC31A
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HMIDM6900WC	POR	2-42	16IPG72B
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HMIDT551	2,817.98	2-38	16IPG72B
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HMIDT651	3,102.67	2-38	16IPG72B
HMIDT732	4,221.35	2-38	16IPG72B
HMIDT752	4,992.72	2-38	16IPG72B
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HMIG5U21	5,580.95	2-38	16IPG72B
HMIGTO1300	961.09	2-37	16IPG72B
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HMIGTO4310	3,199.18	2-37	16IPG72B
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HMIGTO6315	6,012.63	2-37	16IPG72B
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HMIPSA6AFD18W11	POR	2-42	16IPG72B
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HMIST6400	1,752.55	2-39	16IPG72B
HMIST6500	2,761.33	2-39	16IPG72B

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HMIST6600	4,113.61	2-39	16IPG72B
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HMISTM6400	POR	2-39	16IPG72B
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HMIST0705**	798.87	2-36	16IPG72B
HMIST0715**	814.52	2-36	16IPG72B
HMIST0735**	844.91	2-36	16IDC32B
HMISTU655	981.28	2-36	16IPG72B
HMISTU855	1,225.49	2-36	16IPG72B
HMISTW6200	1,098.60	2-39	16IPG72B
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IMD-IM20-1700	1,976.00	H-10	16LBD40J
IMD-IM20-H	7,881.00	H-10	16LBD40J
IMD-IM400	13,063.00	H-10	16LBD40J
IMD-IM400C	16,684.00	H-10	16LBD40J
IMD-IM9	2,761.00	H-10	16LBD40J
IMD-IM9-OL	2,785.00	H-10	16LBD40J
IMDIFL12	2,883.00	H-10	16LBD40J
IMDIFL12C	1,854.00	H-10	16LBD40J
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LA1KN11	29.9	G-2	16IDC31A
LA1KN13	54.7	G-2	16IDC31A
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LA1KN22	52.6	G-2	16IDC31A
LA1KN31	52.6	G-2	16IDC31A
LA1KN40	52.6	G-2	16IDC31A
LA1SK01	43	G-5	16IDC31A
LA1SK02	26.9	G-1	16IDC31A
LA1SK11	26.9	G-1	16IDC31A
LA1SK20	26.9	G-1	16IDC31A
LA2KT2E	197	G-2	16IDC31A
LA2KT2U	197	G-2	16IDC31A
LA4DA2U	53.6	G-18	16IDC31A
LA4DE2U	37.3	G-18	16IDC31A
LA4DFB	162.5	G-18	16IDC31A
LA4DT0U	227.4	G-18	16IDC31A
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LAD703M	162.5	G-21	16IDC31A
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LC1D098P7	87.4	G-13	16IDC31A
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LC1D09BL	108.6	G-10	16IDC31A
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LC1D09EHE	124	G-11	16IDC31A
LC1D09F7	48.8	G-10	16IDC31A
LC1D09FD	107.3	G-10	16IDC31A
LC1D09KUE	124	G-11	16IDC31A
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LC1D115AEHE	694.4	G-11	16IDC31A
LC1D115AKUE	694.4	G-11	16IDC31A
LC1D115ALSE	763.9	G-11	16IDC31A
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LC1D12U7	55.9	G-10	16IDC31A
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LC1D18Q7	77	G-10	16IDC31A
LC1D18U7	77	G-10	16IDC31A
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LC1G185KUEN	1540.8	G-25	16IDC31A

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LR9G115	1074	G-27	16IDC31A
LR9G225	1178.8	G-27	16IDC31A
LR9G500	1440.7	G-27	16IDC31A
LR9G630	1637.2	G-27	16IDC31A
LRD01	68.3	G-19	16IDC31A
LRD02	68.3	G-19	16IDC31A
LRD03	68.3	G-19	16IDC31A
LRD04	68.3	G-19	16IDC31A
LRD05	61.7	G-19	16IDC31A
LRD06	61.7	G-19	16IDC31A
LRD07	56.5	G-19	16IDC31A
LRD07L	127.8	G-20	16IDC31A
LRD08	56.5	G-19	16IDC31A
LRD08L	150.1	G-20	16IDC31A
LRD10	56.5	G-19	16IDC31A
LRD10L	150.1	G-20	16IDC31A
LRD12	56.5	G-19	16IDC31A
LRD12L	192	G-20	16IDC31A
LRD14	56.5	G-19	16IDC31A
LRD14L	192	G-20	16IDC31A
LRD16	56.5	G-19	16IDC31A
LRD16L	199.2	G-20	16IDC31A
LRD21	56.5	G-19	16IDC31A
LRD21L	222.7	G-20	16IDC31A
LRD22	71.5	G-19	16IDC31A
LRD22L	225.4	G-20	16IDC31A
LRD32	96.4	G-19	16IDC31A
LRD325	176.3	G-19	16IDC31A
LRD325L	377.9	G-20	16IDC31A
LRD32L	273.1	G-20	16IDC31A
LRD332	184.2	G-19	16IDC31A
LRD332L	402.1	G-20	16IDC31A
LRD3361	239.9	G-19	16IDC31A
LRD3363	258.8	G-19	16IDC31A
LRD3365	275.9	G-19	16IDC31A
LRD33656	513.5	G-19	16IDC31A
LRD33676	540.4	G-19	16IDC31A
LRD33696	587.4	G-19	16IDC31A
LRD340	185.5	G-19	16IDC31A
LRD340L	405.5	G-20	16IDC31A
LRD35	115.3	G-19	16IDC31A
LRD350	215.6	G-19	16IDC31A
LRD350L	408.7	G-20	16IDC31A
LRD365	216.2	G-19	16IDC31A
LRD365L	422.5	G-20	16IDC31A
LRD380	309.2	G-19	16IDC31A
LRD4365	470.9	G-19	16IDC31A
LRD4367	470.9	G-19	16IDC31A
LRD4369	491.3	G-19	16IDC31A
LT6CT2001	373	G-24	16IDC31A
LT6CT4001	484.2	G-24	16IDC31A
LT6CT8001	895.5	G-24	16IDC31A
LTM9BPS	1179.5	G-24	16IDC31A
LTMT9CU10S	53.32	G-24	16IDC31A
LTMT9CU30S	75.84	G-24	16IDC31A
LTMT9EX10	50.62	G-24	16IDC31A
LTMT9RJ1015	13.79	G-24	16IDC31A
LTMT9RJ105	15.98	G-24	16IDC31A
LTMT9RJ401	11.96	G-24	16IDC31A
LTMTAN21	402.77	G-24	16IDC31A
LTMTCT100T	287.12	G-23	16IDC31A
LTMTCT25L	204.77	G-23	16IDC31A
LTMTCT25T	287.12	G-23	16IDC31A
LTMTCT3L	204.48	G-23	16IDC31A
LTMTCT3T	277.84	G-23	16IDC31A
LTMTCT70L	219.51	G-23	16IDC31A
LTMTCTV100T	389.72	G-23	16IDC31A
LTMTCTV25L	291.9	G-23	16IDC31A
LTMTCTV25T	392.8	G-23	16IDC31A
LTMTCTV3L	289.34	G-23	16IDC31A
LTMTCTV3T	378.29	G-23	16IDC31A
LTMTCTV70L	310.29	G-23	16IDC31A
LTMTCUF	511.23	G-24	16IDC31A
LTMTEBD	2211.62	G-23	16IDC31A
LTMTEFM	2207.7	G-23	16IDC31A
LTMTIN42BD	475.88	G-24	16IDC31A
LTMTIN42FM	493.5	G-24	16IDC31A
LTMTIN60BD	374.78	G-24	16IDC31A
LTMTIN60FM	394.33	G-24	16IDC31A
LTMTMBD	1582.14	G-23	16IDC31A
LTMTMFM	1604.44	G-23	16IDC31A
LTMTPBD	2060.17	G-23	16IDC31A
LTMTPFM	2082.48	G-23	16IDC31A
LTMTPTC	408.25	G-24	16IDC31A
LTMTZCT22BD	484.89	G-24	16IDC31A
LTMTZCT22FM	491.4	G-24	16IDC31A
LU9AD7	POR	1-40	16IDC31A
LU9APN21	316	G-43	16IDC31A
LU9C2	8.7	G-42	16IDC31A
LU9GC3	454.30	1-4	16IDC31A
LU9GC3	POR	1-4	16IDC34D
LU9GC3	502.9	G-46	16IDC31A
LU9MRC	201.9	G-45	16IDC31A
LU9R03	44.8	G-45	16IDC31A
LU9R10	46.9	G-45	16IDC31A
LU9R30	131.1	G-45	16IDC31A
LU9SP0	90.8	G-43	16IDC31A
LUA1C11	51.2	G-42	16IDC31A
LUA1C20	51.2	G-42	16IDC31A
LUALB1	780.7	G-43	16IDC31A
LUALF1	610.7	G-43	16IDC31A
LUB12	401	G-42	16IDC31A
LUB32	525.6	G-42	16IDC31A
LUCA05B	POR	G-44	16IDC31A
LUCA05BL	272.8	G-44	16IDC31A
LUCA05FU	272.8	G-44	16IDC31A
LUCA12B	POR	G-44	16IDC31A
LUCA12BL	331.6	G-44	16IDC31A
LUCA12FU	331.6	G-44	16IDC31A
LUCA18B	POR	G-44	16IDC31A
LUCA18BL	392.6	G-44	16IDC31A
LUCA18FU	392.6	G-44	16IDC31A
LUCA1XB	POR	G-44	16IDC31A
LUCA1XBL	277.8	G-44	16IDC31A
LUCA1XFU	277.8	G-44	16IDC31A
LUCA32B	POR	G-44	16IDC31A
LUCA32BL	526.4	G-44	16IDC31A
LUCA32FU	526.4	G-44	16IDC31A
LUCAX6B	POR	G-44	16IDC31A
LUCAX6BL	294.7	G-44	16IDC31A
LUCAX6FU	294.7	G-44	16IDC31A
LUCB05B	POR	G-44	16IDC31A
LUCB05BL	287.7	G-44	16IDC31A
LUCB05FU	304.5	G-44	16IDC31A
LUCB12B	POR	G-44	16IDC31A
LUCB12BL	336.5	G-44	16IDC31A
LUCB12FU	336.5	G-44	16IDC31A
LUCB18B	POR	G-44	16IDC31A
LUCB18BL	353.5	G-44	16IDC31A
LUCB18FU	353.5	G-44	16IDC31A
LUCB1XB	POR	G-44	16IDC31A
LUCB1XBL	338	G-44	16IDC31A
LUCB1XFU	338	G-44	16IDC31A
LUCB32B	POR	G-44	16IDC31A
LUCB32BL	513	G-44	16IDC31A
LUCB32FU	513	G-44	16IDC31A
LUCBX6B	POR	G-44	16IDC31A
LUCBX6BL	343	G-44	16IDC31A

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LUCBX6FU	343	G-44	16IDC31A
LUFC00	324.5	G-45	16IDC31A
LUFDA01	412.4	G-45	16IDC31A
LUFDA10	469.1	G-45	16IDC31A
LUFDH11	392.6	G-45	16IDC31A
LUFN02	66	G-42	16IDC31A
LUFN11	66	G-42	16IDC31A
LUFN20	67.3	G-42	16IDC31A
LUFP7	9422.4	G-47	16IDC31A
LUFP9	23841	G-47	16IDC31A
LUFV2	1127	G-45	16IDC31A
LUFW10	510.8	G-45	16IDC31A
LULC033	641.8	G-46	16IDC31A
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LV426937	61.00	B-45	16LBD43C
LV426937	68.676	G-35	16IDC31A
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LV428942	90.00	E-1	16LBD43C
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LV429214	103.50	B-20	16LBD43C
LV429218	136.50	B-89	16LBD43C
LV429218	136.50	B-17	16LBD43C
LV429219	177.50	B-89	16LBD43C
LV429219	177.50	B-17	16LBD43C
LV429221	67.50	B-17	16LBD43C
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LV429224	66.00	B-17	16LBD43C
LV429226	23.50	B-93	16LBD43C
LV429226	23.50	B-100	16LBD43C
LV429226	23.50	B-24	16LBD43C
LV429226	23.50	B-48	16LBD43C
LV429227	78.50	B-89	16LBD43C
LV429227	78.50	B-17	16LBD43C
LV429228	104.50	B-89	16LBD43C
LV429228	104.50	B-17	16LBD43C
LV429234	60.00	B-24	16LBD43C
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LV429236	100.00	B-17	16LBD43C
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LV429267	271.00	B-23	16LBD43C
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LV429284	56.00	B-23	16LBD43C
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LV429286	127.50	B-47	16LBD43C
LV429287	104.50	B-23	16LBD43C
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LV429308	61.00	B-17	16LBD43C
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LV429309	78.50	B-17	16LBD43C
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LV429312	18.00	B-24	16LBD43C
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LV429313	55.00	B-24	16LBD43C
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LV429316	28.50	B-46	16LBD43C
LV429317	62.00	B-93	16LBD43C
LV429317	62.00	B-22	16LBD43C
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LV429318	109.50	B-46	16LBD43C
LV429319	152.00	B-22	16LBD43C
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LV429329	26.50	E-2	16LBD43C
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LV429330	40.00	B-18	16LBD43C
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LV429337	90.00	B-92	16LBD43C
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LV429338	146.00	B-92	16LBD43C
LV429338T	146.00	B-21	16LBD43C
LV429339T	97.50	B-21	16LBD43C
LV429340T	159.00	B-21	16LBD43C
LV429341T	92.50	B-21	16LBD43C
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LV429348	42.50	B-41	16LBD43C
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LV429372	251.75	B-22	16LBD46F
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LV429384	135.00	B-91	16LBD43C

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LV429424	267.50	B-19	16LBD43C
LV429424	267.50	B-43	16LBD43C
LV429426	401.50	B-91	16LBD43C
LV429426	401.50	B-98	16LBD43C
LV429426	401.50	B-19	16LBD43C
LV429426	401.50	B-43	16LBD43C
LV429427	285.50	B-91	16LBD43C
LV429427	285.50	B-98	16LBD43C
LV429427	285.50	B-19	16LBD43C
LV429427	285.50	B-43	16LBD43C
LV429433	739.00	B-20	16LBD43C
LV429434	739.00	B-20	16LBD43C
LV429435	739.00	B-20	16LBD43C
LV429436	860.00	B-20	16LBD43C
LV429437	860.00	B-20	16LBD43C
LV429438	860.00	B-20	16LBD43C
LV429439	860.00	B-20	16LBD43C
LV429440	1,360.00	B-20	16LBD43C
LV429441	1,398.50	B-20	16LBD43C
LV429449	104.50	B-92	16LBD43C
LV429449	104.50	B-21	16LBD43C
LV429451	23.50	B-91	16LBD43C
LV429451	23.50	B-19	16LBD43C
LV429451	23.50	B-43	16LBD43C
LV429454	452.50	B-19	16LBD43C
LV429454	452.50	B-43	16LBD43C
LV429478	56.50	B-24	16LBD43C
LV429481	68.00	B-24	16LBD43C
LV429481	68.00	B-24	16LBD43C
LV429483	417.30	B-24	16LBD43C
LV429483	417.30	B-48	16LBD43C
LV429484	403.00	B-24	16LBD43C
LV429484	403.00	B-48	16LBD43C
LV429486	403.00	B-24	16LBD43C
LV429486	403.00	B-48	16LBD43C
LV429488	833.50	B-20	16LBD43C
LV429489	877.50	B-20	16LBD43C
LV429490	875.00	B-20	16LBD43C
LV429491	890.50	B-20	16LBD43C
LV429492	1,276.50	B-20	16LBD43C
LV429493	1,344.00	B-20	16LBD43C
LV429494	1,295.50	B-20	16LBD43C
LV429495	1,295.50	B-20	16LBD43C
LV429498	919.50	B-20	16LBD43C
LV429499	919.50	B-20	16LBD43C
LV429502	113.50	B-24	16LBD43C
LV429504	262.00	B-90	16LBD43C
LV429504	262.00	B-18	16LBD43C
LV429505	284.50	B-90	16LBD43C
LV429505	284.50	B-18	16LBD43C
LV429506	313.50	B-90	16LBD43C
LV429506	313.50	B-18	16LBD43C
LV429507	314.50	B-90	16LBD43C
LV429507	314.50	B-18	16LBD43C
LV429513	45.50	B-24	16LBD43C
LV429515	20.50	B-90	16LBD43C
LV429515	20.50	B-18	16LBD43C
LV429515	20.50	B-23	16LBD43C
LV429516	20.50	B-90	16LBD43C
LV429516	20.50	B-18	16LBD43C
LV429516	20.50	B-23	16LBD43C
LV429516	20.50	E-2	16LBD43C
LV429517	25.50	B-90	16LBD43C
LV429517	25.50	B-18	16LBD43C
LV429518	31.50	B-90	16LBD43C
LV429518	31.50	B-18	16LBD43C
LV429518	31.50	E-2	16LBD43C
LV429521	410.00	B-16	16LBD43C
LV429525	34.00	B-22	16LBD43C
LV429526	36.50	B-22	16LBD43C
LV429527	46.50	B-22	16LBD43C
LV429527	46.50	B-46	16LBD43C

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LV429528	20.50	B-24	16LBD43C
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LV429532	358.50	B-43	16LBD43C
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LV430563	410.00	B-16	16LBD43C
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LV431060	189.00	B-17	16LBD43C
LV431061	242.50	B-17	16LBD43C
LV431064	80.00	B-17	16LBD43C
LV431540	983.50	B-20	16LBD43C
LV431541	983.50	B-20	16LBD43C
LV431542	983.50	B-20	16LBD43C
LV431543	1,227.50	B-20	16LBD43C
LV431544	1,227.50	B-20	16LBD43C
LV431545	1,227.50	B-20	16LBD43C
LV431546	1,227.50	B-20	16LBD43C
LV431548	1,822.00	B-20	16LBD43C
LV431549	1,383.50	B-20	16LBD43C
LV431563	42.50	B-89	16LBD43C
LV431563	42.50	B-17	16LBD43C
LV431564	56.50	B-89	16LBD43C
LV431564	56.50	B-17	16LBD43C
LV432457	343.00	B-44	16LBD43C
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LV432459	60.00	B-48	16LBD43C
LV432461	91.00	B-48	16LBD43C
LV432464	1,474.00	B-44	16LBD43C
LV432465	1,727.50	B-44	16LBD43C
LV432466	1,474.00	B-44	16LBD43C
LV432467	1,727.50	B-44	16LBD43C
LV432469	1,426.00	B-44	16LBD43C
LV432470	1,505.50	B-44	16LBD43C
LV432475	119.50	B-96	16LBD43C
LV432475	119.50	B-40	16LBD43C
LV432475	119.50	B-40	16LBD43C
LV432475	119.50	B-41	16LBD43C
LV432475	119.50	E-2	16LBD43C
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LV432476	192.50	B-40	16LBD43C
LV432476	192.50	B-40	16LBD43C
LV432476	192.50	B-41	16LBD43C
LV432476	192.50	E-2	16LBD43C
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LV432479	144.50	B-41	16LBD43C
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LV432480	193.50	B-41	16LBD43C
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LV432485	181.00	B-41	16LBD43C
LV432486	267.50	B-96	16LBD43C
LV432486	267.50	B-41	16LBD43C
LV432487	354.00	B-96	16LBD43C
LV432487	354.00	B-41	16LBD43C
LV432490	74.50	B-41	16LBD43C
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LV432491	104.50	E-2	16LBD43C
LV432492	112.00	B-41	16LBD43C
LV432492	112.00	E-2	16LBD43C
LV432493	149.00	B-41	16LBD43C
LV432493	149.00	E-2	16LBD43C
LV432498	557.00	B-48	16LBD43C
LV432500	165.00	B-96	16LBD43C
LV432500	165.00	B-41	16LBD43C
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LV432502	231.50	B-96	16LBD43C
LV432502	231.50	B-41	16LBD43C
LV432503	252.00	B-96	16LBD43C
LV432503	252.00	B-41	16LBD43C
LV432504	377.00	B-96	16LBD43C
LV432504	377.00	B-41	16LBD43C
LV432505	406.50	B-96	16LBD43C
LV432505	406.50	B-41	16LBD43C
LV432506	643.00	B-96	16LBD43C
LV432506	643.00	B-41	16LBD43C
LV432507	700.50	B-96	16LBD43C
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LV432513	56.50	B-48	16LBD43C
LV432516	532.00	B-47	16LBD43C
LV432517	597.50	B-47	16LBD43C
LV432518	68.00	B-47	16LBD43C
LV432520	28.00	B-47	16LBD43C
LV432521	56.50	B-47	16LBD43C
LV432523	53.00	B-47	16LBD43C
LV432525	26.50	B-47	16LBD43C
LV432526	204.00	B-47	16LBD43C
LV432534	76.00	B-47	16LBD43C
LV432538	809.00	B-40	16LBD43C
LV432539	961.50	B-40	16LBD43C
LV432552	22.00	B-100	16LBD43C
LV432552	22.00	B-48	16LBD43C
LV432553	77.00	B-100	16LBD43C
LV432553	77.00	B-48	16LBD43C
LV432557	40.00	B-46	16LBD43C
LV432558	70.00	B-100	16LBD43C
LV432558	70.00	B-46	16LBD43C
LV432559	43.50	B-46	16LBD43C
LV432560	159.00	B-46	16LBD43C
LV432570	38.00	B-97	16LBD43C
LV432570	38.00	B-42	16LBD43C
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LV432571	40.00	B-48	16LBD43C
LV432575	812.50	B-39	16LBD43C
LV432578	50.50	B-97	16LBD43C
LV432578	50.50	B-42	16LBD43C
LV432579	75.00	B-97	16LBD43C
LV432579	75.00	B-42	16LBD43C
LV432584	45.50	B-42	16LBD43C
LV432584	45.50	B-47	16LBD43C
LV432585	56.50	B-42	16LBD43C
LV432585	56.50	B-47	16LBD43C
LV432586	149.00	B-41	16LBD43C
LV432587	198.00	B-41	16LBD43C
LV432591	23.50	B-97	16LBD43C
LV432591	23.50	B-42	16LBD43C
LV432591	23.50	B-47	16LBD43C
LV432592	34.00	B-97	16LBD43C
LV432592	34.00	B-42	16LBD43C
LV432592	34.00	B-47	16LBD43C
LV432592	34.00	E-2	16LBD43C
LV432593	48.50	B-97	16LBD43C
LV432593	48.50	B-42	16LBD43C
LV432594	62.00	B-97	16LBD43C
LV432594	62.00	B-42	16LBD43C
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LV432596	101.00	E-2	16LBD43C
LV432597	140.50	B-99	16LBD43C
LV432597T	140.50	B-45	16LBD43C
LV432598	216.50	B-99	16LBD43C
LV432598T	216.50	B-45	16LBD43C
LV432599T	163.50	B-45	16LBD43C
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LV432602T	202.00	B-45	16LBD43C
LV432603T	364.50	B-45	16LBD43C
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LV432604	48.50	B-100	16LBD43C
LV432604	48.50	B-45	16LBD43C
LV432604	48.50	B-46	16LBD43C
LV432605	285.50	B-45	16LBD43C
LV432606T	130.50	B-45	16LBD43C
LV432614T	424.00	B-46	16LBD43C
LV432620	1,012.00	E-2	16LBD43C
LV432621	381.50	B-100	16LBD43C
LV432621T	419.50	B-46	16LBD43C
LV432631	70.00	B-45	16LBD43C
LV432639	1,556.00	B-98	16LBD43C
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LV432644	1,701.00	B-98	16LBD43C
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LV432645	1,701.00	B-98	16LBD43C
LV432645	1,701.00	B-44	16LBD43C
LV432646	1,701.00	B-98	16LBD43C
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LV432647	1,701.00	B-98	16LBD43C
LV432647	1,701.00	B-44	16LBD43C
LV432648	397.00	B-98	16LBD43C
LV432648	397.00	B-44	16LBD43C
LV432649	52.50	B-45	16LBD43C
LV432652	2,522.50	B-44	16LBD43C

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LV433684	POA	B-47	16LBD43C
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LV433694	94.50	B-42	16LBD43C
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LV434000	424.50	B-48	16LBD43C
LV434000	424.50	A-57	16LBD43C
LV434000	424.50	A-80	16LBD43C
LV434000	424.50	A-83	16LBD43C
LV434000	424.50	A-7	16LBD43C
LV434000	424.50	A-11	16LBD43C
LV434000	424.50	A-19	16LBD43C
LV434000	424.50	A-23	16LBD43C
LV434000	424.50	A-28	16LBD43C
LV434000	424.50	A-37	16LBD43C
LV434000	424.50	A-39	16LBD43C
LV434001	901.50	B-25	16LBD43C
LV434001	901.50	B-48	16LBD43C
LV434001	901.50	A-41	16LBD43C
LV434001	901.50	A-45	16LBD43C
LV434001	901.50	A-57	16LBD43C
LV434001	901.50	A-62	16LBD43C
LV434001	901.50	A-67	16LBD43C
LV434001	901.50	A-80	16LBD43C
LV434001	901.50	A-83	16LBD43C
LV434001	901.50	A-7	16LBD43C
LV434001	901.50	A-11	16LBD43C
LV434001	901.50	A-19	16LBD43C
LV434001	901.50	A-23	16LBD43C
LV434001	901.50	A-28	16LBD43C
LV434001	901.50	A-37	16LBD43C
LV434001	901.50	A-39	16LBD43C
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LV434002	1,366.00	B-48	16LBD43C
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LV434002	1,366.00	A-19	16LBD43C
LV434002	1,366.00	A-23	16LBD43C
LV434002	1,366.00	A-28	16LBD43C
LV434002	1,366.00	A-37	16LBD43C
LV434002	1,366.00	A-39	16LBD43C
LV434020	1,352.00	H-1	16LBD48H
LV434020	1,352.00	B-21	16LBD48H
LV434021	1,685.00	H-1	16LBD48H
LV434021	1,685.00	B-21	16LBD48H
LV434022	2,572.00	H-1	16LBD48H
LV434022	2,572.00	B-44	16LBD48H
LV434023	2,931.00	H-1	16LBD48H
LV434023	2,931.00	B-44	16LBD48H
LV434063	895.00	B-25	16LBD43C
LV434063	895.00	A-41	16LBD43C
LV434063	895.00	A-45	16LBD43C
LV434063	895.00	A-57	16LBD43C
LV434063	895.00	A-62	16LBD43C
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LV434063	895.00	B-69	16LBD43C
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LV434128	1,673.50	A-58	16LBD43C
LV434128	1,673.50	A-83	16LBD43C
LV434128	1,673.50	A-20	16LBD43C
LV434128	1,673.50	A-39	16LBD43C
LV434195	16.50	A-58	16LBD43C
LV434195	16.50	A-83	16LBD43C
LV434195	16.50	A-20	16LBD43C
LV434195	16.50	A-39	16LBD43C
LV434196	25.50	A-58	16LBD43C
LV434196	25.50	A-83	16LBD43C
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LV434196	25.50	A-39	16LBD43C
LV434197	48.00	A-58	16LBD43C
LV434197	48.00	A-83	16LBD43C
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LV434201	176.50	B-20	16LBD43C
LV434201	176.50	B-25	16LBD43C
LV434201	176.50	B-49	16LBD43C
LV434202	183.50	B-49	16LBD43C
LV434202	183.50	B-20	16LBD43C
LV434202	183.50	B-25	16LBD43C
LV434202	183.50	B-49	16LBD43C
LV434204	866.50	B-49	16LBD43C
LV434204	866.50	B-20	16LBD43C
LV434204	866.50	B-25	16LBD43C
LV434204	866.50	B-44	16LBD43C
LV434204	866.50	B-49	16LBD43C
LV434210	155.00	B-16	16LBD43C
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LV434211	201.00	B-49	16LBD43C
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LV434211	201.00	B-49	16LBD43C
LV434211	201.00	A-58	16LBD43C
LV434211	201.00	A-83	16LBD43C
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LV434212	626.50	B-39	16LBD43C
LV434220	440.00	B-49	16LBD43C
LV434220	440.00	B-20	16LBD43C
LV434220	440.00	B-25	16LBD43C
LV434220	440.00	B-44	16LBD43C
LV434220	440.00	B-49	16LBD43C
LV434221	130.00	B-49	16LBD43C
LV434221	130.00	B-20	16LBD43C
LV434221	130.00	B-25	16LBD43C
LV434221	130.00	B-44	16LBD43C
LV434221	130.00	B-49	16LBD43C
LV434222	150.00	B-49	16LBD43C
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LV434223	170.00	B-44	16LBD43C
LV434223	170.00	B-49	16LBD43C
LV434224	462.00	B-20	16LBD43C
LV434224	462.00	B-25	16LBD43C
LV434224	462.00	B-48	16LBD43C
LV435001	782.00	B-92	16LBD42B
LV435002	672.00	B-92	16LBD42B
LV435005	894.00	B-92	16LBD42B
LV435010	1,116.00	B-92	16LBD42B
LV454440	901.00	B-16	16LBD45E
LV454440	901.00	B-39	16LBD45E
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LV833726	3,579.00	A-11	16LBD45E
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LV833736	503.50	A-12	16LBD45E
LV833737	316.00	A-46	16LBD45E
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LV833738	316.00	A-12	16LBD45E
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LV833764	144.50	A-13	16LBD45E
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LV833774	502.50	A-47	16LBD45E

Reference	Price (S$)	Page	LCOS
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LV833779	288.00	A-68	16LBD45E
LV833779	288.00	A-13	16LBD45E
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LV833787	178.00	A-47	16LBD45E
LV833787	178.00	A-13	16LBD45E
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LV833788	149.50	A-13	16LBD45E
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LV833793	343.00	A-49	16LBD45E
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LV833796	343.00	A-49	16LBD45E
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LV833920SP	1,215.50	A-16	16LBD45E
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LV833921SP	1,252.00	A-16	16LBD45E
LV833982	32.00	A-85	16LBD45E
LV833983	32.00	A-85	16LBD45E
LV833984	32.00	A-85	16LBD45E
LV834035SP	1,458.00	A-73	16LBD45E
LV834035SP	1,458.00	A-80	16LBD45E
LV834035SP	1,458.00	A-34	16LBD45E
LV834035SP	1,458.00	A-37	16LBD45E
LV834036SP	1,461.00	A-73	16LBD45E
LV834036SP	1,461.00	A-80	16LBD45E
LV834036SP	1,461.00	A-34	16LBD45E
LV834036SP	1,461.00	A-37	16LBD45E
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LV836302	995.50	A-84	16LBD45E
LV836303	416.60	A-84	16LBD45E
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LV836387	168.50	A-85	16LBD45E
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LV836388	70.50	A-11	16LBD45E
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LV836702	366.50	A-44	16LBD45E
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LV836704	366.50	A-44	16LBD45E
LV836704	366.50	A-64	16LBD45E
LV836705	366.50	A-71	16LBD45E
LV836706	366.50	A-71	16LBD45E
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LV836712	610.00	A-49	16LBD45E
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LV836714	610.00	A-49	16LBD45E
LV836714	610.00	A-15	16LBD45E
LV838892SP	POA	A-17	16LBD45E
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LV839462	24.00	A-46	16LBD45E
LV839462	24.00	A-54	16LBD45E
LV839462	24.00	A-12	16LBD45E
LV839463	49.00	A-46	16LBD45E
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LV839463	49.00	A-12	16LBD45E
LV839464	24.00	A-46	16LBD45E
LV839464	24.00	A-54	16LBD45E
LV839465	49.00	A-46	16LBD45E
LV839465	49.00	A-54	16LBD45E
LV839471	201.00	A-67	16LBD45E
LV839471	201.00	A-77	16LBD45E
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LV839472	80.00	A-77	16LBD45E
LV839472	80.00	A-28	16LBD45E
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LV839473	25.50	A-77	16LBD45E
LV839473	25.50	A-28	16LBD45E
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LV839474	226.00	A-77	16LBD45E
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LV839475	125.00	A-28	16LBD45E
LV839476	21.50	A-67	16LBD45E
LV839476	21.50	A-77	16LBD45E
LV839476	21.50	A-28	16LBD45E
LV839477	226.00	A-67	16LBD45E
LV839477	226.00	A-77	16LBD45E
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LV839479	50.00	A-28	16LBD45E
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LV839480	251.00	A-28	16LBD45E
LV839481	150.50	A-67	16LBD45E
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LV839481	150.50	A-28	16LBD45E
LV839482	25.50	A-67	16LBD45E
LV839482	25.50	A-77	16LBD45E
LV839483	226.00	A-67	16LBD45E
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LV839489	251.00	A-67	16LBD45E
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LV839490	150.50	A-67	16LBD45E
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LV839491	76.00	A-67	16LBD45E
LV839491	76.00	A-77	16LBD45E
LV839492	275.50	A-67	16LBD45E
LV839492	275.50	A-77	16LBD45E

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LV846161	6,028.50	A-61	16LBD45E
LV846162	7,108.00	A-61	16LBD45E
LV846163	7,896.00	A-61	16LBD45E
LV846164	7,942.00	A-61	16LBD45E
LV846165	11,001.00	A-61	16LBD45E
LV846166	13,695.00	A-61	16LBD45E
LV846167	20,727.50	A-61	16LBD45E
LV846170	5,439.50	A-65	16LBD45E
LV846171	6,166.50	A-65	16LBD45E
LV846172	6,999.50	A-65	16LBD45E
LV846173	8,004.50	A-65	16LBD45E
LV846174	9,225.50	A-65	16LBD45E
LV846175	11,280.00	A-65	16LBD45E
LV846176	13,497.00	A-65	16LBD45E
LV846177	21,681.00	A-65	16LBD45E
LV846180	7,602.50	A-61	16LBD45E
LV846181	8,175.50	A-61	16LBD45E
LV846182	9,565.00	A-61	16LBD45E
LV846183	10,522.50	A-61	16LBD45E
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LV846185	14,573.50	A-61	16LBD45E
LV846186	17,958.50	A-61	16LBD45E
LV846187	26,892.50	A-61	16LBD45E
LV846190	7,232.50	A-65	16LBD45E
LV846191	8,127.50	A-65	16LBD45E
LV846192	9,195.00	A-65	16LBD45E
LV846193	10,322.00	A-65	16LBD45E
LV846194	11,558.00	A-65	16LBD45E
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LV846313	13,653.00	A-74	16LBD45E
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LV846315	16,477.50	A-74	16LBD45E
LV846316	18,560.50	A-74	16LBD45E
LV846317	23,733.50	A-74	16LBD45E
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LV846320	11,612.50	A-76	16LBD45E
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LV846343	13,653.00	A-74	16LBD45E
LV846344	16,477.50	A-74	16LBD45E
LV846345	23,733.50	A-74	16LBD45E
LV846346	10,164.50	A-76	16LBD45E
LV846347	14,877.00	A-76	16LBD45E
LV846348	16,112.00	A-76	16LBD45E
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LV846437	4,118.50	A-41	16LBD45E
LV846438	4,545.50	A-41	16LBD45E
LV846439	4,945.50	A-41	16LBD45E
LV846440	6,439.50	A-41	16LBD45E
LV846443	4,669.00	A-41	16LBD45E
LV846444	5,247.50	A-41	16LBD45E
LV846445	5,755.50	A-41	16LBD45E
LV846446	6,255.50	A-41	16LBD45E
LV846447	8,349.50	A-41	16LBD45E
LV846450	3,845.00	A-45	16LBD45E
LV846451	4,272.00	A-45	16LBD45E
LV846452	4,715.50	A-45	16LBD45E
LV846453	5,122.00	A-45	16LBD45E
LV846454	6,781.50	A-45	16LBD45E
LV846457	4,982.50	A-45	16LBD45E
LV846458	5,533.50	A-45	16LBD45E
LV846459	6,046.50	A-45	16LBD45E
LV846460	6,548.50	A-45	16LBD45E
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LV847069SP	460.50	A-56	16LBD45E
LV847069SP	460.50	A-18	16LBD45E
LV847070SP	598.50	A-56	16LBD45E
LV847070SP	598.50	A-18	16LBD45E
LV847071SP	567.50	A-48	16LBD45E
LV847071SP	567.50	A-14	16LBD45E
LV847072SP	427.50	A-48	16LBD45E
LV847072SP	427.50	A-14	16LBD45E
LV847098SP	109.50	A-59	16LBD45E
LV847098SP	109.50	A-21	16LBD45E
LV847110	3,147.00	A-41	16LBD45E
LV847113	3,206.00	A-41	16LBD45E
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LV847119	4,948.50	A-41	16LBD45E
LV847120	3,268.50	A-41	16LBD45E
LV847123	3,475.00	A-41	16LBD45E
LV847125	4,611.50	A-41	16LBD45E
LV847128	5,280.00	A-41	16LBD45E
LV847130	3,585.00	A-41	16LBD45E
LV847131	4,285.50	A-41	16LBD45E
LV847135	5,018.50	A-41	16LBD45E
LV847138	5,802.00	A-41	16LBD45E
LV847140	4,319.50	A-41	16LBD45E
LV847141	4,510.50	A-41	16LBD45E
LV847145	5,970.50	A-41	16LBD45E
LV847147	6,824.50	A-41	16LBD45E
LV847150	4,791.50	A-41	16LBD45E
LV847151	5,296.50	A-41	16LBD45E
LV847155	6,649.50	A-41	16LBD45E
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LV847161	3,655.50	A-52	16LBD45E
LV847162	4,929.00	A-52	16LBD45E
LV847163	3,971.00	A-52	16LBD45E
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LV847165	4,852.00	A-52	16LBD45E
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LV847167	5,395.00	A-52	16LBD45E
LV847168	7,164.00	A-52	16LBD45E
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LV847203	3,159.00	A-45	16LBD45E
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LV847211	3,787.00	A-45	16LBD45E
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LV847220	3,792.50	A-45	16LBD45E
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LV847284	2,482.00	A-45	16LBD45E
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LV847321	335.50	A-64	16LBD45E
LV847322	335.50	A-44	16LBD45E

Reference	Price (S$)	Page	LCOS
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LV847326	335.50	A-64	16LBD45E
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LV847329	497.00	A-42	16LBD45E
LV847329	497.00	A-53	16LBD45E
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LV847331	655.00	A-53	16LBD45E
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LV847339	102.00	A-9	16LBD45E
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LV847341	122.50	A-43	16LBD45E
LV847341	122.50	A-9	16LBD45E
LV847342	201.00	A-43	16LBD45E
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LV847346	58.00	A-24	16LBD45E
LV847346	58.00	A-31	16LBD45E
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LV847392	1,939.50	A-44	16LBD45E
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LV847393	1,939.50	A-44	16LBD45E
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LV847395	1,939.50	A-44	16LBD45E
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LV847398	1,939.50	A-10	16LBD45E
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LV847403	195.50	A-63	16LBD45E
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LV847413	343.00	A-49	16LBD45E
LV847414	343.00	A-49	16LBD45E
LV847415	343.00	A-49	16LBD45E
LV847416	343.00	A-49	16LBD45E
LV847417	400.50	A-49	16LBD45E
LV847430	122.50	A-48	16LBD45E
LV847430	122.50	A-14	16LBD45E
LV847431	122.50	A-48	16LBD45E
LV847431	122.50	A-14	16LBD45E

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Reference	Price (S$)	Page	LCOS
LV847432	201.00	A-48	16LBD45E
LV847432	201.00	A-14	16LBD45E
LV847433	201.00	A-48	16LBD45E
LV847433	201.00	A-14	16LBD45E
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LV847443	256.50	A-49	16LBD45E
LV847443	256.50	A-15	16LBD45E
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LV847445	256.50	A-49	16LBD45E
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LV847506	234.50	A-51	16LBD45E
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LV847507	208.50	A-51	16LBD45E
LV847512	292.00	A-43	16LBD45E
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LV847822	32.00	A-85	16LBD45E
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LV847826	32.00	A-85	16LBD45E
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LV847900SP	34.50	A-31	16LBD45E
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LV847905SP	166.00	A-39	16LBD45E
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LV847906SP	239.50	A-19	16LBD45E
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LV847909SP	330.00	A-81	16LBD45E
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LV847912SP	396.00	A-81	16LBD45E
LV847912SP	396.00	A-38	16LBD45E
LV847926SP	518.00	A-72	16LBD45E
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LV847930SP	971.00	A-72	16LBD45E
LV847930SP	971.00	A-82	16LBD45E
LV847930SP	971.00	A-33	16LBD45E
LV847932SP	403.00	A-79	16LBD45E
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LV848075	9,658.00	A-74	16LBD45E
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LV848079	12,990.50	A-78	16LBD45E
LV848080	11,623.00	A-74	16LBD45E
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LV848134	277.00	A-77	16LBD45E

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LV848166	824.00	A-75	16LBD45E
LV848166	824.00	A-77	16LBD45E
LV848166	824.00	A-23	16LBD45E
LV848166	824.00	A-29	16LBD45E
LV848167	1,193.50	A-62	16LBD45E
LV848167	1,193.50	A-68	16LBD45E
LV848167	1,193.50	A-75	16LBD45E
LV848167	1,193.50	A-77	16LBD45E
LV848167	1,193.50	A-23	16LBD45E
LV848167	1,193.50	A-29	16LBD45E
LV848168	362.50	A-62	16LBD45E
LV848168	362.50	A-68	16LBD45E
LV848168	362.50	A-75	16LBD45E
LV848168	362.50	A-77	16LBD45E
LV848168	362.50	A-23	16LBD45E
LV848168	362.50	A-29	16LBD45E
LV848169	362.50	A-62	16LBD45E

Reference	Price (S$)	Page	LCOS
LV848169	362.50	A-68	16LBD45E
LV848169	362.50	A-75	16LBD45E
LV848169	362.50	A-77	16LBD45E
LV848169	362.50	A-23	16LBD45E
LV848169	362.50	A-29	16LBD45E
LV848170	827.50	A-62	16LBD45E
LV848170	827.50	A-68	16LBD45E
LV848170	827.50	A-75	16LBD45E
LV848170	827.50	A-77	16LBD45E
LV848170	827.50	A-23	16LBD45E
LV848170	827.50	A-29	16LBD45E
LV848171	890.00	A-62	16LBD45E
LV848171	890.00	A-68	16LBD45E
LV848171	890.00	A-75	16LBD45E
LV848171	890.00	A-77	16LBD45E
LV848171	890.00	A-23	16LBD45E
LV848171	890.00	A-29	16LBD45E
LV848173	362.50	A-62	16LBD45E
LV848173	362.50	A-68	16LBD45E
LV848173	362.50	A-75	16LBD45E
LV848173	362.50	A-77	16LBD45E
LV848173	362.50	A-23	16LBD45E
LV848173	362.50	A-29	16LBD45E
LV848174	362.50	A-62	16LBD45E
LV848174	362.50	A-68	16LBD45E
LV848174	362.50	A-75	16LBD45E
LV848174	362.50	A-77	16LBD45E
LV848174	362.50	A-23	16LBD45E
LV848174	362.50	A-29	16LBD45E
LV848175	827.50	A-62	16LBD45E
LV848175	827.50	A-68	16LBD45E
LV848175	827.50	A-75	16LBD45E
LV848175	827.50	A-77	16LBD45E
LV848175	827.50	A-23	16LBD45E
LV848175	827.50	A-29	16LBD45E
LV848176	890.00	A-62	16LBD45E
LV848176	890.00	A-68	16LBD45E
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LV848179	8,435.50	A-78	16LBD45E
LV848180	9,280.00	A-78	16LBD45E
LV848181	16,000.50	A-78	16LBD45E
LV848182SP	2,958.50	A-73	16LBD45E
LV848182SP	2,958.50	A-80	16LBD45E
LV848182SP	2,958.50	A-34	16LBD45E
LV848182SP	2,958.50	A-37	16LBD45E
LV848183	5,466.00	A-78	16LBD45E
LV848184	5,905.50	A-78	16LBD45E
LV848185	6,978.50	A-78	16LBD45E
LV848186	7,708.50	A-78	16LBD45E
LV848187	13,340.00	A-78	16LBD45E
LV848193	19,917.50	A-78	16LBD45E
LV848194	28,689.00	A-78	16LBD45E
LV848195	47,694.50	A-78	16LBD45E
LV848196	60,112.50	A-78	16LBD45E
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LV848200	126.00	A-63	16LBD45E
LV848200	126.00	A-24	16LBD45E
LV848201	126.00	A-63	16LBD45E
LV848201	126.00	A-24	16LBD45E
LV848202	395.00	A-63	16LBD45E
LV848202	395.00	A-24	16LBD45E
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LV848208	1,996.00	A-25	16LBD45E
LV848209	1,996.00	A-64	16LBD45E
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LV848211	1,996.00	A-64	16LBD45E
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LV848212	1,996.00	A-64	16LBD45E
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LV848213	1,996.00	A-64	16LBD45E
LV848213	1,996.00	A-25	16LBD45E
LV848214	1,996.00	A-64	16LBD45E
LV848214	1,996.00	A-25	16LBD45E
LV848215	1,996.00	A-64	16LBD45E
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LV848226	4,893.00	A-78	16LBD45E
LV848227	5,532.50	A-78	16LBD45E
LV848228	6,255.50	A-78	16LBD45E
LV848229	7,256.00	A-78	16LBD45E
LV848230	3,630.50	A-65	16LBD45E
LV848231	3,734.00	A-65	16LBD45E
LV848232	4,849.50	A-65	16LBD45E
LV848234	3,579.50	A-76	16LBD45E
LV848235	3,398.00	A-76	16LBD45E
LV848236	4,135.50	A-76	16LBD45E
LV848237	5,148.50	A-65	16LBD45E
LV848238	5,043.50	A-65	16LBD45E
LV848239	6,575.50	A-65	16LBD45E
LV848241	4,970.00	A-76	16LBD45E
LV848242	5,123.00	A-76	16LBD45E
LV848243	5,899.00	A-76	16LBD45E
LV848244	4,128.00	A-65	16LBD45E
LV848245	4,244.00	A-65	16LBD45E
LV848246	5,497.00	A-65	16LBD45E
LV848248	3,972.00	A-76	16LBD45E
LV848249	3,790.00	A-76	16LBD45E
LV848250	4,525.00	A-76	16LBD45E
LV848251	5,787.00	A-65	16LBD45E
LV848252	5,703.00	A-65	16LBD45E
LV848253	7,390.50	A-65	16LBD45E
LV848255	5,474.50	A-76	16LBD45E
LV848256	5,209.00	A-76	16LBD45E
LV848257	5,971.50	A-76	16LBD45E
LV848258	4,709.50	A-65	16LBD45E
LV848259	4,849.50	A-65	16LBD45E
LV848260	6,242.00	A-65	16LBD45E
LV848262	4,899.50	A-76	16LBD45E
LV848263	4,731.00	A-76	16LBD45E
LV848264	5,466.50	A-76	16LBD45E
LV848265	6,524.50	A-65	16LBD45E
LV848266	6,449.50	A-65	16LBD45E
LV848267	8,358.50	A-65	16LBD45E
LV848269	6,667.50	A-76	16LBD45E
LV848270	6,401.00	A-76	16LBD45E
LV848271	7,171.00	A-76	16LBD45E
LV848272	4,838.00	A-65	16LBD45E
LV848273	5,538.00	A-65	16LBD45E
LV848274	7,277.00	A-65	16LBD45E
LV848276	4,913.00	A-76	16LBD45E
LV848277	5,390.50	A-76	16LBD45E
LV848278	6,131.50	A-76	16LBD45E
LV848279	7,618.00	A-65	16LBD45E
LV848280	7,262.50	A-65	16LBD45E
LV848281	9,385.50	A-65	16LBD45E
LV848283	7,145.50	A-76	16LBD45E
LV848284	7,257.00	A-76	16LBD45E
LV848285	8,038.00	A-76	16LBD45E
LV848287	6,167.50	A-65	16LBD45E
LV848288	8,307.00	A-65	16LBD45E
LV848289	12,956.50	A-65	16LBD45E
LV848291	6,443.50	A-76	16LBD45E
LV848292	7,215.00	A-76	16LBD45E
LV848294	7,402.00	A-65	16LBD45E
LV848295	10,509.00	A-65	16LBD45E
LV848296	17,905.00	A-65	16LBD45E
LV848298	8,465.00	A-76	16LBD45E
LV848299	9,238.00	A-76	16LBD45E
LV848300	8,766.50	A-65	16LBD45E
LV848301	10,254.50	A-65	16LBD45E
LV848302	17,541.00	A-65	16LBD45E
LV848303	11,299.50	A-78	16LBD45E
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LV848305	10,554.00	A-76	16LBD45E
LV848306	11,649.00	A-65	16LBD45E
LV848307	13,547.50	A-65	16LBD45E
LV848308	23,058.00	A-65	16LBD45E
LV848309	13,144.00	A-78	16LBD45E
LV848310	12,746.50	A-76	16LBD45E
LV848311	13,525.50	A-76	16LBD45E
LV848312	9,666.50	A-65	16LBD45E
LV848313	12,264.00	A-65	16LBD45E
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LV848315	10,679.50	A-76	16LBD45E
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LV848317	12,720.00	A-65	16LBD45E
LV848318	16,189.50	A-65	16LBD45E
LV848319	30,293.50	A-65	16LBD45E
LV848320	13,875.50	A-76	16LBD45E
LV848321	14,654.50	A-76	16LBD45E
LV848322	15,341.00	A-65	16LBD45E
LV848323	19,525.50	A-65	16LBD45E
LV848324	32,071.50	A-65	16LBD45E
LV848325	16,668.50	A-76	16LBD45E

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Reference	Price (S$)	Page	LCOS
LV848326	17,442.50	A-76	16LBD45E
LV848327	20,444.00	A-65	16LBD45E
LV848328	25,762.50	A-65	16LBD45E
LV848329	41,289.50	A-65	16LBD45E
LV848330	21,724.50	A-76	16LBD45E
LV848331	22,488.00	A-76	16LBD45E
LV848332	20,230.00	A-78	16LBD45E
LV848333	30,030.00	A-78	16LBD45E
LV848334	53,535.50	A-78	16LBD45E
LV848335	68,667.00	A-78	16LBD45E
LV848336	23,213.00	A-65	16LBD45E
LV848337	29,110.00	A-65	16LBD45E
LV848338	24,327.00	A-76	16LBD45E
LV848339	30,347.00	A-65	16LBD45E
LV848340	38,269.00	A-65	16LBD45E
LV848341	31,699.50	A-76	16LBD45E
LV848342	42,184.00	A-65	16LBD45E
LV848343	51,096.00	A-65	16LBD45E
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LV848346	66,023.50	A-65	16LBD45E
LV848347	55,904.50	A-76	16LBD45E
LV848348	54,261.50	A-65	16LBD45E
LV848349	65,375.50	A-65	16LBD45E
LV848350	55,432.50	A-76	16LBD45E
LV848351	69,392.50	A-65	16LBD45E
LV848352	84,298.00	A-65	16LBD45E
LV848353	71,502.50	A-76	16LBD45E
LV848354	25,493.00	A-78	16LBD45E
LV848355	37,868.50	A-78	16LBD45E
LV848356	65,333.00	A-78	16LBD45E
LV848357	83,416.50	A-78	16LBD45E
LV848382	194.00	A-70	16LBD45E
LV848392	2,289.50	A-67	16LBD45E
LV848392	2,289.50	A-67	16LBD45E
LV848392	2,289.50	A-76	16LBD45E
LV848392	2,289.50	A-76	16LBD45E
LV848392	2,289.50	A-28	16LBD45E
LV848393	2,639.00	A-67	16LBD45E
LV848393	2,639.00	A-67	16LBD45E
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LV848395	3,606.00	A-67	16LBD45E
LV848395	3,606.00	A-67	16LBD45E
LV848395	3,606.00	A-76	16LBD45E
LV848395	3,606.00	A-28	16LBD45E
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LV848396	4,482.00	A-67	16LBD45E
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LV848396	4,482.00	A-28	16LBD45E
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LV848404	2,829.00	A-28	16LBD45E
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LV848406	3,385.50	A-67	16LBD45E
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LV848407	4,676.50	A-28	16LBD45E
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LV848408	5,541.50	A-76	16LBD45E
LV848408	5,541.50	A-28	16LBD45E
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LV848415	498.50	A-68	16LBD45E
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LV848416	799.00	A-68	16LBD45E
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LV848417	664.00	A-77	16LBD45E
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LV848418	498.50	A-29	16LBD45E
LV848419	732.00	A-68	16LBD45E
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LV848420	664.00	A-68	16LBD45E
LV848420	664.00	A-77	16LBD45E
LV848420	664.00	A-29	16LBD45E
LV848421SP	798.00	A-62	16LBD45E
LV848421SP	798.00	A-75	16LBD45E
LV848421SP	798.00	A-79	16LBD45E
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LV848421SP	798.00	A-36	16LBD45E
LV848422SP	952.50	A-62	16LBD45E
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LV848422SP	952.50	A-79	16LBD45E
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LV848422SP	952.50	A-36	16LBD45E
LV848424SP	1,044.00	A-62	16LBD45E
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LV848425SP	1,244.00	A-23	16LBD45E
LV848425SP	1,244.00	A-36	16LBD45E
LV848426	6,379.00	A-78	16LBD45E
LV848427	7,169.50	A-78	16LBD45E
LV848428	8,108.00	A-78	16LBD45E
LV848429	9,104.00	A-78	16LBD45E
LV848436	7,395.50	A-78	16LBD45E
LV848437	12,333.00	A-78	16LBD45E
LV848438	10,194.00	A-78	16LBD45E
LV848439	15,709.00	A-78	16LBD45E
LV848441	656.00	A-68	16LBD45E
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LV848441	656.00	A-29	16LBD45E
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LV848442	1,047.50	A-77	16LBD45E
LV848442	1,047.50	A-29	16LBD45E
LV848444	656.00	A-68	16LBD45E
LV848444	656.00	A-77	16LBD45E
LV848444	656.00	A-29	16LBD45E
LV848445	960.50	A-68	16LBD45E
LV848445	960.50	A-77	16LBD45E
LV848445	960.50	A-29	16LBD45E
LV848449	343.00	A-71	16LBD45E
LV848450	343.00	A-71	16LBD45E
LV848451	343.00	A-71	16LBD45E
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LV848458	343.00	A-71	16LBD45E
LV848459	343.00	A-71	16LBD45E
LV848460	343.00	A-71	16LBD45E
LV848461	343.00	A-71	16LBD45E
LV848462	343.00	A-71	16LBD45E
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LV848468	369.00	A-70	16LBD45E
LV848468	369.00	A-31	16LBD45E
LV848469	197.50	A-70	16LBD45E
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LV848470	201.00	A-70	16LBD45E
LV848470	201.00	A-31	16LBD45E
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LV848475	126.00	A-31	16LBD45E

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LV848476	126.00	A-70	16LBD45E
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LV848477	142.00	A-70	16LBD45E
LV848477	142.00	A-31	16LBD45E
LV848478	126.00	A-70	16LBD45E
LV848478	126.00	A-31	16LBD45E
LV848481	276.50	A-71	16LBD45E
LV848481	276.50	A-32	16LBD45E
LV848482	276.50	A-71	16LBD45E
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LV848483	276.50	A-71	16LBD45E
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LV848484	276.50	A-71	16LBD45E
LV848484	276.50	A-32	16LBD45E
LV848485	276.50	A-71	16LBD45E
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LV848486	276.50	A-71	16LBD45E
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LV848491	276.50	A-71	16LBD45E
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LV848492	276.50	A-71	16LBD45E
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LV848493	276.50	A-71	16LBD45E
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LV848494	276.50	A-71	16LBD45E
LV848494	276.50	A-32	16LBD45E
LV848495	276.50	A-71	16LBD45E
LV848495	276.50	A-32	16LBD45E
LV848496	276.50	A-71	16LBD45E
LV848496	276.50	A-32	16LBD45E
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LV848501	275.50	A-32	16LBD45E
LV848502	275.50	A-71	16LBD45E
LV848502	275.50	A-32	16LBD45E
LV848503	275.50	A-71	16LBD45E
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LV848504	275.50	A-71	16LBD45E
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LV848506	275.50	A-71	16LBD45E
LV848506	275.50	A-32	16LBD45E
LV848511	275.50	A-71	16LBD45E
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LV848512	275.50	A-71	16LBD45E
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LV848513	275.50	A-71	16LBD45E
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LV848514	275.50	A-71	16LBD45E
LV848514	275.50	A-32	16LBD45E
LV848515	275.50	A-71	16LBD45E
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LV848530	1,996.00	A-71	16LBD45E
LV848530	1,996.00	A-32	16LBD45E
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LV848534	203.00	A-63	16LBD45E
LV848534	203.00	A-70	16LBD45E
LV848535	411.50	A-72	16LBD45E
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LV848536	99.00	A-72	16LBD45E
LV848536	99.00	A-33	16LBD45E
LV848539	62.50	A-72	16LBD45E
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LV848550	554.50	A-72	16LBD45E
LV848550	554.50	A-33	16LBD45E
LV848551	554.50	A-72	16LBD45E
LV848551	554.50	A-33	16LBD45E
LV848554	495.00	A-69	16LBD45E
LV848554	495.00	A-30	16LBD45E
LV848556SP	25.50	A-79	16LBD45E
LV848556SP	25.50	A-36	16LBD45E
LV848557SP	53.50	A-79	16LBD45E
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LV848557SP	53.50	A-36	16LBD45E
LV848557SP	53.50	A-36	16LBD45E
LV848558	144.50	A-62	16LBD45E
LV848558	144.50	A-23	16LBD45E
LV848559	99.00	A-66	16LBD45E
LV848559	99.00	A-27	16LBD45E
LV848560	108.50	A-70	16LBD45E
LV848560	108.50	A-31	16LBD45E
LV848564SP	36.00	A-68	16LBD45E
LV848564SP	36.00	A-29	16LBD45E
LV848565SP	708.50	A-68	16LBD45E
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LV848566SP	1,174.50	A-68	16LBD45E
LV848566SP	1,174.50	A-29	16LBD45E
LV848568	249.50	A-68	16LBD45E
LV848568	249.50	A-29	16LBD45E
LV848569	532.00	A-68	16LBD45E
LV848569	532.00	A-29	16LBD45E
LV848570	532.00	A-68	16LBD45E
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LV848572	348.00	A-29	16LBD45E
LV848573	487.50	A-68	16LBD45E
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LV848574	487.50	A-68	16LBD45E
LV848574	487.50	A-29	16LBD45E
LV848579	210.50	A-69	16LBD45E
LV848579	210.50	A-30	16LBD45E
LV848580	210.50	A-69	16LBD45E
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LV848582	148.50	A-69	16LBD45E
LV848582	148.50	A-30	16LBD45E
LV848585	495.00	A-69	16LBD45E
LV848585	495.00	A-30	16LBD45E
LV848591SP	86.00	A-69	16LBD45E
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LV848595	156.00	A-30	16LBD45E
LV848596	209.50	A-69	16LBD45E
LV848596	209.50	A-30	16LBD45E
LV848597	261.50	A-69	16LBD45E
LV848597	261.50	A-30	16LBD45E
LV848598	309.00	A-69	16LBD45E
LV848598	309.00	A-30	16LBD45E
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LV848599SP	431.00	A-36	16LBD45E
LV848600SP	321.00	A-68	16LBD45E
LV848600SP	321.00	A-77	16LBD45E
LV848600SP	321.00	A-79	16LBD45E
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LV848600SP	321.00	A-29	16LBD45E
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LV848600SP	321.00	A-36	16LBD45E
LV848601SP	170.50	A-72	16LBD45E
LV848601SP	170.50	A-33	16LBD45E
LV848603SP	176.50	A-72	16LBD45E
LV848603SP	176.50	A-33	16LBD45E
LV848604SP	688.00	A-72	16LBD45E
LV848604SP	688.00	A-33	16LBD45E

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Reference	Price (S$)	Page	LCOS
LV848605SP	235.50	A-72	16LBD45E
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LV848605SP	235.50	A-33	16LBD45E
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LV848609SP	2,908.00	A-33	16LBD45E
LV848610SP	3,005.00	A-72	16LBD45E
LV848610SP	3,005.00	A-82	16LBD45E
LV848610SP	3,005.00	A-33	16LBD45E
LV848614SP	2,202.00	A-72	16LBD45E
LV848614SP	2,202.00	A-82	16LBD45E
LV848614SP	2,202.00	A-33	16LBD45E
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LV848891SP	1,995.00	A-57	16LBD45E
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LV848891SP	1,995.00	A-34	16LBD45E
LV848891SP	1,995.00	A-37	16LBD45E
LV848892SP	4,724.50	A-34	16LBD45E
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LV848904SP	11,340.00	A-34	16LBD43C
LV848904SP	11,340.00	A-37	16LBD43C
LV848905SP	4,418.50	A-80	16LBD43C
LV848905SP	4,418.50	A-34	16LBD43C
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LV850002	169.50	A-61	16LBD45E
LV850002	169.50	A-66	16LBD45E
LV850003	1,184.00	A-41	16LBD45E
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LV850003	1,184.00	A-66	16LBD45E
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LV850004	457.00	A-45	16LBD45E
LV850004	457.00	A-61	16LBD45E
LV850004	457.00	A-66	16LBD45E
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LV850005	298.50	A-45	16LBD45E
LV850005	298.50	A-61	16LBD45E
LV850005	298.50	A-66	16LBD45E
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LV850009	416.60	A-41	16LBD45E
LV850009	416.60	A-45	16LBD45E
LV850009	416.60	A-61	16LBD45E
LV850009	416.60	A-66	16LBD45E
LV850011	1,067.00	A-41	16LBD45E
LV850011	1,067.00	A-45	16LBD45E
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LV850037	2,656.50	A-41	16LBD45E
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LV850045	366.50	A-45	16LBD45E
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LV850045	366.50	A-66	16LBD45E
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LV850055SP	290.00	A-37	16LBD45E
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LV850056	758.00	A-71	16LBD45E
LV850056	758.00	A-10	16LBD45E
LV850056SP	829.50	A-58	16LBD45E
LV850056SP	829.50	A-83	16LBD45E
LV850060	703.00	A-51	16LBD45E
LV850060	703.00	A-73	16LBD45E
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LV850061	212.00	A-23	16LBD45E
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LV850062SP	253.00	A-83	16LBD45E
LV850062SP	253.00	A-39	16LBD45E
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LV850066SP	176.00	A-38	16LBD45E
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LV851001SP	936.50	A-39	16LBD45E
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LV851200	928.00	A-28	16LBD45E
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LV851200SP	936.50	A-39	16LBD45E
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LV864906SP	298.00	A-38	16LBD45E
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LV910200SP	800.00	A-34	16LBD44D
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LV933092	31.00	A-40	16LBD45E
LV933093	31.00	A-40	16LBD45E
LV933094	31.00	A-40	16LBD45E
LV933095	31.00	A-40	16LBD45E
LV933098	86.00	A-40	16LBD45E
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LV933593SP	POA	A-37	16LBD45E
LV933982	31.00	A-40	16LBD45E
LV933983	31.00	A-40	16LBD45E
LV933984	31.00	A-40	16LBD45E
LV947053	30.00	A-40	16LBD45E
LV947074	86.00	A-40	16LBD45E
LV947110	2,938.00	A-7	16LBD45E
LV947113	2,992.50	A-7	16LBD45E
LV947115	4,104.00	A-7	16LBD45E
LV947119	4,619.50	A-7	16LBD45E
LV947120	3,173.00	A-7	16LBD45E
LV947123	3,373.50	A-7	16LBD45E
LV947125	4,477.00	A-7	16LBD45E
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LV947131	4,160.00	A-7	16LBD45E
LV947135	4,871.50	A-7	16LBD45E

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LV947138	5,632.50	A-7	16LBD45E
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LV947147	6,625.00	A-7	16LBD45E
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LV947157	7,362.50	A-7	16LBD45E
LV947200	2,928.50	A-11	16LBD45E
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LV947205	3,769.00	A-11	16LBD45E
LV947209	4,185.00	A-11	16LBD45E
LV947210	3,284.00	A-11	16LBD45E
LV947211	3,677.00	A-11	16LBD45E
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LV947228	5,257.00	A-11	16LBD45E
LV947230	4,091.00	A-11	16LBD45E
LV947231	4,284.00	A-11	16LBD45E
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LV947247	6,536.50	A-11	16LBD45E
LV947280	1,353.50	A-7	16LBD45E
LV947280	1,353.50	A-22	16LBD45E
LV947281	1,353.50	A-11	16LBD45E
LV947282	1,340.50	A-7	16LBD45E
LV947282	1,340.50	A-22	16LBD45E
LV947283	1,949.00	A-7	16LBD45E
LV947283	1,949.00	A-22	16LBD45E
LV947284	1,949.00	A-11	16LBD45E
LV947285	1,930.00	A-7	16LBD45E
LV947285	1,930.00	A-22	16LBD45E
LV947286	2,744.50	A-7	16LBD45E
LV947286	2,744.50	A-22	16LBD45E
LV947288	2,744.50	A-7	16LBD45E
LV947288	2,744.50	A-22	16LBD45E
LV947292	2,744.50	A-11	16LBD45E
LV947506	234.50	A-17	16LBD45E
LV947506	234.50	A-34	16LBD45E
LV947507	208.50	A-17	16LBD45E
LV947600SP	1,547.00	A-19	16LBD45E
LV947600SP	1,547.00	A-37	16LBD45E
LV947603SP	2,903.00	A-19	16LBD45E
LV947603SP	2,903.00	A-37	16LBD45E
LV947820	31.00	A-40	16LBD45E
LV947821	30.00	A-40	16LBD45E
LV947822	30.00	A-40	16LBD45E
LV947823	30.00	A-40	16LBD45E
LV947824	31.00	A-40	16LBD45E
LV947825	31.00	A-40	16LBD45E
LV947826	31.00	A-40	16LBD45E
LV947849	86.00	A-40	16LBD45E
LV948000	3,588.50	A-22	16LBD45E
LV948001	3,643.00	A-22	16LBD45E
LV948002	4,552.50	A-22	16LBD45E
LV948007	4,754.00	A-22	16LBD45E
LV948008	5,259.50	A-22	16LBD45E
LV948009	6,646.00	A-22	16LBD45E
LV948014	3,615.00	A-22	16LBD45E
LV948015	4,187.00	A-22	16LBD45E
LV948016	5,268.00	A-22	16LBD45E
LV948021	5,297.00	A-22	16LBD45E
LV948022	5,682.50	A-22	16LBD45E
LV948023	7,145.50	A-22	16LBD45E
LV948028	4,303.50	A-22	16LBD45E
LV948029	4,700.00	A-22	16LBD45E
LV948030	6,213.00	A-22	16LBD45E
LV948035	5,853.00	A-22	16LBD45E
LV948036	6,715.00	A-22	16LBD45E
LV948037	8,361.00	A-22	16LBD45E
LV948042	4,806.50	A-22	16LBD45E
LV948043	5,227.50	A-22	16LBD45E
LV948044	6,901.50	A-22	16LBD45E
LV948049	6,515.50	A-22	16LBD45E
LV948050	7,417.50	A-22	16LBD45E
LV948051	9,197.50	A-22	16LBD45E
LV948056	5,351.00	A-22	16LBD45E
LV948057	5,458.00	A-22	16LBD45E
LV948058	6,942.50	A-22	16LBD45E
LV948060	8,847.50	A-35	16LBD45E
LV948063	8,674.00	A-22	16LBD45E
LV948064	8,847.50	A-22	16LBD45E
LV948065	10,700.00	A-22	16LBD45E
LV948067	10,700.00	A-35	16LBD45E
LV948070	7,929.00	A-22	16LBD45E
LV948071	9,431.00	A-22	16LBD45E
LV948073	10,266.50	A-35	16LBD45E
LV948076	10,577.50	A-22	16LBD45E
LV948077	12,500.00	A-22	16LBD45E
LV948079	12,500.00	A-35	16LBD45E
LV948082	9,695.50	A-22	16LBD45E
LV948083	11,735.00	A-22	16LBD45E
LV948087	12,836.50	A-22	16LBD45E
LV948088	15,397.00	A-22	16LBD45E
LV948092	14,667.50	A-22	16LBD45E
LV948093	17,768.50	A-22	16LBD45E
LV948097	19,166.00	A-22	16LBD45E
LV948098	23,052.00	A-22	16LBD45E
LV948102	23,052.00	A-35	16LBD45E
LV948103	33,305.00	A-35	16LBD45E
LV948104	55,290.50	A-35	16LBD45E
LV948105	69,324.00	A-35	16LBD45E
LV948106	21,537.50	A-22	16LBD45E
LV948107	25,776.00	A-22	16LBD45E
LV948109	27,877.00	A-22	16LBD45E
LV948110	33,305.00	A-22	16LBD45E
LV948112	35,962.50	A-22	16LBD45E
LV948113	42,745.00	A-22	16LBD45E
LV948115	46,345.00	A-22	16LBD45E
LV948116	55,290.50	A-22	16LBD45E
LV948118	45,181.00	A-22	16LBD45E
LV948119	53,663.00	A-22	16LBD45E
LV948121	58,411.50	A-22	16LBD45E
LV948122	69,324.00	A-22	16LBD45E
LV948177	6,452.00	A-35	16LBD45E
LV948178	6,937.50	A-35	16LBD45E
LV948179	8,117.00	A-35	16LBD45E
LV948180	8,929.50	A-35	16LBD45E
LV948181	15,397.00	A-35	16LBD45E
LV948183	5,259.50	A-35	16LBD45E
LV948184	5,682.50	A-35	16LBD45E
LV948185	6,715.00	A-35	16LBD45E
LV948186	7,417.50	A-35	16LBD45E
LV948187	12,836.50	A-35	16LBD45E
LV948193	19,166.00	A-35	16LBD45E
LV948194	27,877.00	A-35	16LBD45E
LV948195	46,345.00	A-35	16LBD45E
LV948196	58,411.50	A-35	16LBD45E
LV948226	4,708.50	A-35	16LBD45E
LV948227	5,324.00	A-35	16LBD45E
LV948228	6,019.50	A-35	16LBD45E
LV948229	6,982.50	A-35	16LBD45E
LV948230	3,389.50	A-26	16LBD45E
LV948231	3,661.50	A-26	16LBD45E
LV948232	4,754.50	A-26	16LBD45E
LV948237	4,806.50	A-26	16LBD45E
LV948238	4,849.00	A-26	16LBD45E
LV948239	6,322.00	A-26	16LBD45E
LV948244	3,853.50	A-26	16LBD45E
LV948245	4,161.00	A-26	16LBD45E
LV948246	5,389.50	A-26	16LBD45E
LV948251	5,402.50	A-26	16LBD45E
LV948252	5,483.00	A-26	16LBD45E
LV948253	7,105.50	A-26	16LBD45E
LV948258	4,396.50	A-26	16LBD45E
LV948259	4,754.50	A-26	16LBD45E
LV948260	6,120.00	A-26	16LBD45E
LV948265	6,091.00	A-26	16LBD45E
LV948266	6,200.50	A-26	16LBD45E
LV948267	8,036.00	A-26	16LBD45E
LV948272	4,516.50	A-26	16LBD45E
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LV948274	6,996.00	A-26	16LBD45E
LV948279	7,111.50	A-26	16LBD45E
LV948280	6,982.50	A-26	16LBD45E
LV948281	9,023.50	A-26	16LBD45E
LV948286	5,813.50	A-26	16LBD45E
LV948287	5,930.00	A-26	16LBD45E
LV948288	7,986.50	A-26	16LBD45E
LV948293	6,977.00	A-26	16LBD45E
LV948294	7,116.50	A-26	16LBD45E
LV948295	10,104.00	A-26	16LBD45E
LV948300	8,428.50	A-26	16LBD45E
LV948301	9,859.50	A-26	16LBD45E
LV948303	10,873.00	A-35	16LBD45E
LV948306	11,199.50	A-26	16LBD45E
LV948307	13,025.50	A-26	16LBD45E
LV948309	12,648.00	A-35	16LBD45E
LV948312	9,293.50	A-26	16LBD45E
LV948313	11,791.00	A-26	16LBD45E

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LV948317	12,230.00	A-26	16LBD45E
LV948318	15,565.00	A-26	16LBD45E
LV948322	14,749.00	A-26	16LBD45E
LV948323	18,773.00	A-26	16LBD45E
LV948327	19,466.50	A-26	16LBD45E
LV948328	24,531.00	A-26	16LBD45E
LV948332	19,466.50	A-35	16LBD45E
LV948333	29,180.00	A-35	16LBD45E
LV948334	52,020.00	A-35	16LBD45E
LV948335	66,723.50	A-35	16LBD45E
LV948336	22,320.00	A-26	16LBD45E
LV948337	27,990.50	A-26	16LBD45E
LV948339	29,180.00	A-26	16LBD45E
LV948340	36,797.00	A-26	16LBD45E
LV948342	40,561.50	A-26	16LBD45E
LV948343	49,131.00	A-26	16LBD45E
LV948345	52,020.00	A-26	16LBD45E
LV948346	63,484.00	A-26	16LBD45E
LV948348	52,174.50	A-26	16LBD45E
LV948349	62,861.00	A-26	16LBD45E
LV948351	66,723.50	A-26	16LBD45E
LV948352	81,056.00	A-26	16LBD45E
LV948354	24,531.00	A-35	16LBD45E
LV948355	36,797.00	A-35	16LBD45E
LV948356	63,484.00	A-35	16LBD45E
LV948357	81,056.00	A-35	16LBD45E
LV948358	1,340.50	A-27	16LBD45E
LV948360	1,930.00	A-27	16LBD45E
LV948361	2,744.50	A-27	16LBD45E
LV948426	6,138.50	A-35	16LBD45E
LV948427	6,899.00	A-35	16LBD45E
LV948428	7,802.00	A-35	16LBD45E
LV948429	8,760.50	A-35	16LBD45E
LV948436	7,116.50	A-35	16LBD45E
LV948437	11,867.50	A-35	16LBD45E
LV948438	9,809.50	A-35	16LBD45E
LV948439	15,116.50	A-35	16LBD45E
LV948498	1,353.50	A-27	16LBD45E
LV948499	1,949.00	A-27	16LBD45E
LV948500	2,744.50	A-27	16LBD45E
LV948533	231.50	A-34	16LBD45E
LV965304	1,340.50	A-11	16LBD45E
LV965305	1,930.00	A-11	16LBD45E
LV965306	2,744.50	A-11	16LBD45E
LVR07125A40T	1,239.00	I-2	16LBD49I
LVR07125A40T	1,239.00	I-2	16LBD49I
LVR07250A40T	1,498.00	I-2	16LBD49I
LVR07250A40T	1,498.00	I-2	16LBD49I
LVR07500A40T	1,928.00	I-2	16LBD49I
LVR07500A40T	1,928.00	I-2	16LBD49I
LVR14125A40T	3,289.00	I-2	16LBD49I
LVR14125A40T	3,289.00	I-2	16LBD49I
LVR14250A40T	2,184.00	I-2	16LBD49I
LVR14250A40T	2,184.00	I-2	16LBD49I
LVR14500A40T	2,823.00	I-2	16LBD49I
LVR14500A40T	2,823.00	I-2	16LBD49I
LVR14X00A40T	5,123.00	I-2	16LBD49I
LVR14X00A40T	5,123.00	I-2	16LBD49I
LVS04691	177.50	A-56	16LBD45E

Reference	Price (S$)	Page	LCOS
LVS04691	177.50	A-56	16LBD45E
LXMRL00C2000	13,266.40	2-34	16IPG73C
LXMRL03C1000	12,854.40	2-34	16IPG73C
LXMRL03S0000	37,821.60	2-34	16IPG73C
LXMRL05S0000	39,552.00	2-34	16IPG73C
LXMRL07C1000	13,441.50	2-34	16IPG73C
LXMRL07S0000	42,693.50	2-34	16IPG73C
LXMRL12C1000	15,192.50	2-34	16IPG73C
LXMRL12S0000	57,319.50	2-34	16IPG73C
LXMRL18S0000	62,778.50	2-34	16IPG73C
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MCSESM043F23F0	1,542.01	3-37	16IPG71A
MCSESM053F1CS0	2,459.23	3-37	16IPG71A
MCSESM053F1CU0	2,066.08	3-37	16IPG71A
MCSESM063F2CS0	3,246.66	3-37	16IPG71A
MCSESM063F2CU0	2,361.17	3-37	16IPG71A
MCSESM083F23F0	2,492.09	3-38	16IPG71A
MCSESM083F23F0H	3,082.38	3-38	16IPG71A
MCSESM093F1CS0	3,918.53	3-38	16IPG71A
MCSESM093F1CU0	3,082.38	3-38	16IPG71A
MCSESM103F2CS0	4,197.25	3-38	16IPG71A
MCSESM103F2CS0H	4,410.25	3-38	16IPG71A
MCSESM103F2CU0	3,578.01	3-38	16IPG71A
MCSESM103F2CU0H	3,869.20	3-38	16IPG71A
MCSESM123F23G0	4,201.16	3-38	16IPG71A
MCSESM123F2LG0	3,541.24	3-38	16IPG71A
MCSESM163F23F0	4,582.99	3-38	16IPG71A
MCSESM203F4GL0	POR	3-38	16IPG71A
MCSESM243F4LG0	7,256.87	3-38	16IPG71A
MCSESP083F23G0	5,551.70	3-38	16IPG71A
MCSESP083F23G0T	6,328.42	3-38	16IPG71A
MCSESR043F23F0	4,554.54	3-39	16IPG71A
MCSESR043F23F0C	5,230.47	3-39	16IPG71A
MCSESR043F2LM0	4,989.06	3-39	16IPG71A
MCSESR043F2LM0C	5,632.81	3-39	16IPG71A
MCSESU053F1CU0	699.37	3-37	16IPG71A
MCSESU053FN0	355.97	3-37	16IPG71A
MCSESU083F2CS0	1,734.01	3-37	16IPG71A
MCSESU083F2CU0	1,271.02	3-37	16IPG71A
MCSESU083FN0	556.72	3-37	16IPG71A
METSE7x4MAK	722.00	H-8	16CSF63C
METSE9B2BMA	478.00	H-8	16CSF63C
METSE9CTHWK	467.00	H-8	16CSF63C
METSE9HWK	668.00	H-8	16CSF63C
METSE9USBK	467.00	H-8	16CSF63C
METSEDM6000HCL10NC	163.00	H-4	16SMB24D
METSEDM6200HCL10RS	164.00	H-4	16SMB24D
METSEHDPM6HMI4	4,744.00	H-2	16LBD47G
METSEHDPM6HMI7	9,180.00	H-2	16LBD47G
METSEHDPM6IO	2,465.00	H-2	16LBD47G
METSEHDPM6PSV240	586.00	H-2	16LBD47G
METSEHDPM6R24	5,255.00	H-2	16LBD47G
METSEHDPM6R24WF	7,958.00	H-2	16LBD47G
METSEHDPM6R42	7,335.00	H-2	16LBD47G
METSEHDPM6R42WF	9,850.00	H-2	16LBD47G
METSEHDPM6R84	13,456.00	H-2	16LBD47G
METSEHDPM6R84WF	16,506.00	H-2	16LBD47G
METSEHDPM6S480VC	3,767.00	H-2	16CSF64D
METSEION92030	9,381.00	H-8	16CSF63C

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METSEION92040	13,935.00	H-8	16CSF63C
METSEION93030	9,851.00	H-8	16CSF63C
METSEION93040	15,054.00	H-8	16CSF63C
METSEION95030	10,829.00	H-8	16CSF63C
METSEION95040	16,511.00	H-8	16CSF63C
METSEPM2110	448.00	H-5	16SMB24D
METSEPM2120	476.00	H-5	16SMB24D
METSEPM2130	569.00	H-5	16SMB24D
METSEPM2210	458.00	H-5	16SMB24D
METSEPM2220	487.00	H-5	16SMB24D
METSEPM2230	593.00	H-5	16SMB24D
METSEPM2KANLGIO11	250.00	H-5	16SMB24D
METSEPM2KANLGIO22	637.00	H-5	16SMB24D
METSEPM2KDGTLIO22	435.00	H-5	16SMB24D
METSEPM3200	767.00	H-4	16SMB24D
METSEPM3210	877.00	H-4	16SMB24D
METSEPM3250	935.00	H-4	16SMB24D
METSEPM3255	1,100.00	H-4	16SMB24D
METSEPM5100	754.00	H-6	16LBD47G
METSEPM5110	786.00	H-6	16LBD47G
METSEPM5111	929.00	H-6	16LBD47G
METSEPM5310	1,381.00	H-6	16LBD47G
METSEPM5320	1,463.00	H-6	16LBD47G
METSEPM5330	1,381.00	H-6	16LBD47G
METSEPM5331	1,538.00	H-6	16LBD47G
METSEPM5340	1,520.00	H-6	16LBD47G
METSEPM5341	1,572.00	H-6	16LBD47G
METSEPM5350	909.00	H-6	16LBD47G
METSEPM5560	2,594.00	H-6	16LBD47G
METSEPM5561	3,011.00	H-6	16LBD47G
METSEPM5563	2,550.00	H-6	16LBD47G
METSEPM5570	2,751.00	H-6	16LBD47G
METSEPM5580	3,025.00	H-6	16LBD47G
METSEPM5650	3,803.00	H-6	16LBD47G
METSEPM5660	3,302.00	H-6	16LBD47G
METSEPM5760	4,467.00	H-6	16LBD47G
METSEPM8000SK	200.00	H-7	16LBD47G
METSEPM8210	6,214.00	H-7	16LBD4DBDBA
METSEPM8213	6,143.00	H-7	16LBD4DBDBA
METSEPM8214	8,158.00	H-7	16LBD4DBDBA
METSEPM8240	6,214.00	H-7	16LBD4DBDBA
METSEPM82401	6,969.00	H-7	16LBD47G
METSEPM8243	6,176.00	H-7	16LBD4DBDBA
METSEPM8244	8,158.00	H-7	16LBD4DBDBA
METSEPM8340	6,704.00	H-7	16LBD4DBDBA
METSEPM89M0024	2,373.00	H-7	16LBD47G
METSEPM89M2600	1,738.00	H-7	16LBD47G
METSEPM89RD96	1,521.00	H-7	16LBD47G
METSERD192	7,366.00	H-8	16CSF63C
METSERD192HWK	673.00	H-8	16CSF63C
MN660C153N1010	10,351.50	3-40	16IPG71A
MN660C253N1010	11,692.56	3-40	16IPG71A
MN660P253N2011W0	14,197.01	3-40	16IPG71A
MN660P354N2013W0	19,751.28	3-40	16IPG71A
MNAH6ACH	POR	3-40	16IPG71A
MNAH6AFS01	556.20	3-40	16IPG71A
MNAH6MBS	POR	3-40	16IPG71A
MNAH6MF	370.80	3-40	16IPG71A
MNSH6M4GM	POR	3-40	16IPG71A

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MVS21801	194.50	A-87	16LBD44D
MVS21802	194.50	A-89	16LBD44D
MVS21803	194.50	A-87	16LBD44D
MVS21804	194.50	A-89	16LBD44D
MVS21805	194.50	A-87	16LBD44D
MVS21806	194.50	A-89	16LBD44D
N			
NTSACI0802XHK	1,735.14	3-41	16IPG71A
NTSACI0802XK	1,285.29	3-41	16IPG71A
NTSAHI0412XHK	POR	3-41	16IPG71A
NTSAHO0212HK	POR	3-42	16IPG71A
NTSAMI0210HK	1,162.29	3-41	16IPG71A
NTSAMI0210K	860.96	3-41	16IPG71A
NTSAMI0400K	842.51	3-41	16IPG71A
NTSAMI0420K	POR	3-41	16IPG71A
NTSAMI0800K	POR	3-41	16IPG71A
NTSAMO0210HK	POR	3-42	16IPG71A
NTSAMO0210K	POR	3-42	16IPG71A
NTSAMO0400HK	1,203.80	3-42	16IPG71A
NTSAMO0400K	891.71	3-42	16IPG71A
NTSART0214HK	POR	3-41	16IPG71A
NTSART0214K	POR	3-41	16IPG71A
NTSART0404K	POR	3-41	16IPG71A
NTSART0404XHK	POR	3-41	16IPG71A
NTSART0603K	POR	3-41	16IPG71A
NTSDAI0215HK	POR	3-41	16IPG71A
NTSDAI0403HK	POR	3-41	16IPG71A
NTSDAI0404HK	POR	3-41	16IPG71A
NTSDAI0804K	POR	3-41	16IPG71A
NTSDAO0205K	POR	3-41	16IPG71A
NTSDAO0415HK	POR	3-41	16IPG71A
NTSDAO0415K	POR	3-41	16IPG71A
NTSDDI0602K	282.89	3-41	16IPG71A
NTSDDI0802XK	282.89	3-41	16IPG71A
NTSDDI1602K	359.15	3-41	16IPG71A
NTSDDI1602XHK	538.72	3-41	16IPG71A
NTSDDI1602XK	399.05	3-41	16IPG71A
NTSDDI1642K	POR	3-41	16IPG71A
NTSDDO0212HK	330.86	3-41	16IPG71A
NTSDDO0402HK	POR	3-41	16IPG71A
NTSDDO0402K	POR	3-41	16IPG71A
NTSDDO0602K	POR	3-41	16IPG71A
NTSDDO0802K	387.43	3-41	16IPG71A
NTSDDO0802XK	362.83	3-41	16IPG71A
NTSDDO1602K	POR	3-41	16IPG71A
NTSDDO1602XAHK	POR	3-41	16IPG71A
NTSDDO1602XAK	POR	3-41	16IPG71A
NTSDDO1602XHK	POR	3-41	16IPG71A
NTSDDO1602XK	POR	3-41	16IPG71A
NTSDMY0100HK	135.29	3-42	16IPG71A
NTSDMY0200HK	196.79	3-42	16IPG71A
NTSDRA0615K	344.38	3-41	16IPG71A
NTSDRC0215K	POR	3-41	16IPG71A
NTSDRC0415HK	POR	3-41	16IPG71A
NTSDRC0415K	POR	3-41	16IPG71A
NTSEHC0100K	777.94	3-42	16IPG71A
NTSEHC0120HK	1,089.11	3-42	16IPG71A
NTSEHC0220K	1,475.93	3-42	16IPG71A
NTSFIO0400K	774.86	3-42	16IPG71A
NTSFMB0120HK	POR	3-42	16IPG71A
NTSFMB0120K	POR	3-42	16IPG71A
NTSNEC1200HK	1,419.42	3-43	16IPG71A
NTSNEC1200K	1,150.00	3-43	16IPG71A
NTSPCM0016HK	202.94	3-42	16IPG71A
NTSPCM0808HK	215.24	3-42	16IPG71A
NTSPCM1600HK	215.24	3-42	16IPG71A
NTSPFB1002HK	227.54	3-42	16IPG71A
NTSPFD1002HK	196.79	3-42	16IPG71A
P			
PAS600	1,474.00	H-9	16CSF63C
PAS600L	1,474.00	H-9	16CSF63C
PAS800	2,960.00	H-9	16CSF63C
PAS800L	3,019.00	H-9	16CSF63C
PAS800P	3,154.00	H-9	16CSF63C
PCSN020Y4W20	19,582.00	I-4	16LBD49I
PCSN030Y4R19	24,037.00	I-4	16LBD49I
PCSN030Y4W20	22,105.00	I-4	16LBD49I
PCSN050Y4W20	25,865.00	I-4	16LBD49I
PCSN060Y4R19	32,495.00	I-4	16LBD49I
PCSN060Y4R19E	27,242.00	I-4	16LBD49I
PCSN060Y4W20	29,885.00	I-4	16LBD49I
PCSN060Y4W20E	25,055.00	I-4	16LBD49I
PCSP060D5IP31	66,058.00	I-4	16LBD49I
PCSP060D5IP54	78,975.00	I-4	16LBD49I
PCSP120D5IP31	81,613.00	I-4	16LBD49I
PCSP120D5IP54	97,591.00	I-4	16LBD49I
PCSP200D5IP31	104,637.00	I-4	16LBD49I
PCSP200D5IP54	124,895.00	I-4	16LBD49I
PCSP300D5IP31	129,870.00	I-4	16LBD49I
PCSP300D5IP54	155,208.00	I-4	16LBD49I
PKE16M413	19.53	D-35	16SMB27G
PKE16M423	12.29	D-35	16SMB27G
PKE16M434	17.85	D-35	16SMB27G
PKE16M435	22.89	D-35	16SMB27G
PKE32M423	22.26	D-35	16SMB27G
PKE32M434	23.42	D-35	16SMB27G
PKE32M435	28.46	D-35	16SMB27G
PKF16F413	28.46	D-36	16SMB27G
PKF16F423	17.85	D-36	16SMB27G
PKF16F434	22.89	D-36	16SMB27G
PKF16F435	27.41	D-36	16SMB27G
PKF16M423	15.54	D-36	16SMB27G
PKF16M434	20.69	D-36	16SMB27G
PKF16M435	25.10	D-36	16SMB27G
PKF32F423	30.66	D-36	16SMB27G
PKF32F434	33.39	D-36	16SMB27G
PKF32F435	36.86	D-36	16SMB27G
PKF32M423	27.41	D-36	16SMB27G
PKF32M434	34.02	D-36	16SMB27G
PKF32M435	40.11	D-36	16SMB27G
R			
RE17LAMW	81.06	3-19	16IDC33C
RE17LCBM	77.04	3-19	16IDC33C
RE17LHBM	83.84	3-19	16IDC33C
RE17LLBM	83.84	3-19	16IDC33C
RE17LMBM	101.46	3-19	16IDC33C
RE17RAMU	67.47	3-19	16IDC33C
RE17RBMU	64.58	3-19	16IDC33C
RE17RCMU	64.58	3-19	16IDC33C
RE17RHMU	67.47	3-19	16IDC33C
RE17RLJU	78.18	3-19	16IDC33C
RE17RLMU	67.47	3-19	16IDC33C
RE17RMEMU	87.24	3-19	16IDC33C
RE17RMJU	81.06	3-19	16IDC33C
RE17RMMU	87.24	3-19	16IDC33C
RE17RMMW	94.66	3-19	16IDC33C
RE17RMMWS	101.46	3-19	16IDC33C
RE17RMXMU	101.97	3-19	16IDC33C
RE22R1QMQ	118.45	3-20	16IDC33C
RE22R1QMU	118.45	3-20	16IDC33C
RE22R2AMU	163.77	3-20	16IDC33C
RE22R2MJU	132.56	3-20	16IDC33C
RE22R2MMU	132.56	3-20	16IDC33C
RE22R2MMW	163.77	3-20	16IDC33C
REL15000	852.00	H-11	16LBD4DBDBB
REL15001	852.00	H-11	16LBD4DBDBB
REL15002	931.00	H-11	16LBD4DBDBB
REL15003	931.00	H-11	16LBD4DBDBB
REL15004	1,081.00	H-11	16LBD4DBDBB
REL15005	1,037.00	H-11	16LBD4DBDBB
REL15006	1,114.00	H-11	16LBD4DBDBB
REL15007	1,114.00	H-11	16LBD4DBDBB
REL15008	1,114.00	H-11	16LBD4DBDBB
REL15009	1,114.00	H-11	16LBD4DBDBB
REL15010	1,463.00	H-11	16LBD4DBDBB
REL15011	1,463.00	H-11	16LBD4DBDBB
REL15012	1,463.00	H-11	16LBD4DBDBB
REL15013	1,463.00	H-11	16LBD4DBDBB
REL15014	1,715.00	H-11	16LBD4DBDBB
REL15015	1,715.00	H-11	16LBD4DBDBB
REL15016	1,715.00	H-11	16LBD4DBDBB
REL15017	1,715.00	H-11	16LBD4DBDBB
REL15040	131.00	H-11	16LBD4DBDBB
REL50301	7,055.00	H-13	16LBD4DBDBB
REL50302	6,647.00	H-13	16LBD4DBDBB
REL50303	8,130.00	H-13	16LBD4DBDBB
REL50304	7,722.00	H-13	16LBD4DBDBB
REL50305	6,248.00	H-13	16LBD4DBDBB
REL50306	7,324.00	H-13	16LBD4DBDBB
REL50331	9,085.00	H-13	16LBD4DBDBB
REL50332	8,677.00	H-13	16LBD4DBDBB
REL50333	10,160.00	H-13	16LBD4DBDBB
REL50334	9,753.00	H-13	16LBD4DBDBB
REL50339	8,279.00	H-13	16LBD4DBDBB
REL50340	9,354.00	H-13	16LBD4DBDBB
REL50401	12,742.00	H-13	16LBD4DBDBB
REL50402	9,499.00	H-13	16LBD4DBDBB
REL50404	15,079.00	H-13	16LBD4DBDBB
REL50407	10,081.00	H-13	16LBD4DBDBB
REL50408	12,215.00	H-13	16LBD4DBDBB
REL50410	10,972.00	H-13	16LBD4DBDBB
REL50411	19,720.00	H-13	16LBD4DBDBB
REL50451	14,022.00	H-13	16LBD4DBDBB
REL50452	11,013.00	H-13	16LBD4DBDBB
REL50453	12,127.00	H-13	16LBD4DBDBB
REL50454	9,848.00	H-13	16LBD4DBDBB
REL50455	26,747.00	H-13	16LBD4DBDBB

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Reference	Price (S$)	Page	LCOS
REL50456	14,094.00	H-13	16LBD4DBDBB
REL50457	15,463.00	H-13	16LBD4DBDBB
REL50458	12,194.00	H-13	16LBD4DBDBB
REL50493	6,429.00	H-13	16LBD4DBDBB
REL50494	6,424.00	H-13	16LBD4DBDBB
REL50495	7,277.00	H-13	16LBD4DBDBB
REL50496	7,272.00	H-13	16LBD4DBDBB
REL50497	8,178.00	H-13	16LBD4DBDBB
REL50498	8,173.00	H-13	16LBD4DBDBB
REL52001	8,603.00	H-12	16LBD4DBDBB
REL52002	8,025.00	H-12	16LBD4DBDBB
REL52003	8,603.00	H-12	16LBD4DBDBB
REL52004	8,603.00	H-12	16LBD4DBDBB
REL52005	8,025.00	H-12	16LBD4DBDBB
REL52006	8,025.00	H-12	16LBD4DBDBB
REL52007	8,955.00	H-12	16LBD4DBDBB
REL52008	8,603.00	H-12	16LBD4DBDBB
REL52009	8,603.00	H-12	16LBD4DBDBB
REL52010	8,955.00	H-12	16LBD4DBDBB
REL52011	7,160.00	H-12	16LBD4DBDBB
REL52012	8,025.00	H-12	16LBD4DBDBB
REL52013	7,160.00	H-12	16LBD4DBDBB
REL52014	8,955.00	H-12	16LBD4DBDBB
REL52015	7,160.00	H-12	16LBD4DBDBB
REL52016	8,025.00	H-12	16LBD4DBDBB
REL52017	8,603.00	H-12	16LBD4DBDBB
REL52018	7,160.00	H-12	16LBD4DBDBB
REL52019	9,085.00	H-12	16LBD4DBDBB
REL52020	8,025.00	H-12	16LBD4DBDBB
REL52021	8,955.00	H-12	16LBD4DBDBB
REL52022	8,603.00	H-12	16LBD4DBDBB
REL52023	7,512.00	H-12	16LBD4DBDBB
REL52024	7,512.00	H-12	16LBD4DBDBB
REL52025	8,603.00	H-12	16LBD4DBDBB
REL52801	261.00	H-13	16LBD4DBDBB
REL52802	535.00	H-13	16LBD4DBDBB
REL52803	304.00	H-13	16LBD4DBDBB
REL52804	117.00	H-13	16LBD4DBDBB
REL52805	132.00	H-13	16LBD4DBDBB
REL52806	191.00	H-13	16LBD4DBDBB
RENF22R2MMW	160.89	3-18	16IDC33C
REXL2TMB7	62.93	3-23	16IDC33C
REXL2TMBD	62.93	3-23	16IDC33C
REXL2TMF7	62.93	3-23	16IDC33C
REXL2TMJD	62.93	3-23	16IDC33C
REXL2TMP7	62.93	3-23	16IDC33C
REXL4TMP7	66.33	3-23	16IDC33C
RGZE1S35M	6.08	3-2	16IDC33C
RGZE1S48M	7.31	3-2	16IDC33C
RM17JA12M7	POR	3-13	16IDC33C
RM17JC00MW	209.61	3-13	16IDC33C
RM17TA00	278.72	3-9	16IDC33C
RM17TE00	330.32	3-9	16IDC33C
RM17TG00	172.83	3-9	16IDC33C
RM17TG20	187.56	3-9	16IDC33C
RM17TT00	210.22	3-9	16IDC33C
RM17TU00	202.29	3-9	16IDC33C
RM17UAS14	176.75	3-12	16IDC33C
RM17UAS15	209.61	3-12	16IDC33C
RM17UAS16	209.61	3-12	16IDC33C
RM17UB310	287.27	3-10	16IDC33C
RM17UBE15	217.02	3-12	16IDC33C
RM17UBE16	217.02	3-12	16IDC33C
RM22JA21MR	209.61	3-16	16IDC33C
RM22JA31MR	217.02	3-16	16IDC33C
RM22LA32MR	295.20	3-17	16IDC33C
RM22LG11MR	162.64	3-17	16IDC33C
RM22LG11MT	162.64	3-17	16IDC33C
RM22TA31	202.29	3-15	16IDC33C
RM22TA33	249.88	3-15	16IDC33C
RM22TG20	125.25	3-15	16IDC33C
RM22TR31	252.66	3-15	16IDC33C
RM22TR33	249.88	3-15	16IDC33C
RM22TU21	146.16	3-15	16IDC33C
RM22TU23	173.35	3-15	16IDC33C
RM22UA21MR	199.41	3-15	16IDC33C
RM22UA22MR	199.41	3-15	16IDC33C
RM22UA23MR	215.27	3-15	16IDC33C
RM22UA31MR	290.05	3-15	16IDC33C
RM22UA32MR	290.05	3-15	16IDC33C
RM22UA33MR	291.18	3-15	16IDC33C
RM22UA33MT	321.77	3-15	16IDC33C
RM22UB34	277.07	3-15	16IDC33C
RM35ATL0MW	347.63	3-14	16IDC33C
RM35BA10	438.47	3-14	16IDC33C
RM35HZ21FM	335.99	3-13	16IDC33C
RM35JA31MW	251.53	3-13	16IDC33C
RM35JA32MR	183.03	3-16	16IDC33C
RM35JA32MT	184.16	3-16	16IDC33C
RM35JA32MW	286.65	3-13	16IDC33C
RM35LM33MW	181.28	3-11	16IDC33C
RM35LV14MW	228.35	3-11	16IDC33C
RM35S0MW	330.32	3-11	16IDC33C
RM35TF30	416.94	3-9	16IDC33C
RM35TF36	POR	3-9	16IDC33C
RM35TM250MW	343.30	3-14	16IDC33C
RM35TM50MW	325.17	3-14	16IDC33C
RM35UA11MW	262.34	3-12	16IDC33C
RM35UA12MW	262.34	3-12	16IDC33C
RM35UA13MW	262.34	3-12	16IDC33C
RM35UB330	359.16	3-10	16IDC33C
RM35UB3N30	387.49	3-10	16IDC33C
RMC1AABD	POR	3-27	16IDC33C
RMC1UUBD	POR	3-27	16IDC33C
RMC1VABD	POR	3-27	16IDC33C
RMC2UUBD	POR	3-27	16IDC33C
RMCA1UUBD	POR	3-27	16IDC33C
RMCV1UUBD	POR	3-27	16IDC33C
RMPT1UUBD	POR	3-27	16IDC33C
RMTC1UUBD	POR	3-27	16IDC33C
RPM11B7	10.92	3-5	16IDC33C
RPM11BD	10.92	3-5	16IDC33C
RPM11F7	10.92	3-5	16IDC33C
RPM12B7	17.00	3-5	16IDC33C
RPM12BD	17.00	3-5	16IDC33C
RPM12F7	17.00	3-5	16IDC33C
RPM12JD	17.00	3-5	16IDC33C
RPM12P7	17.00	3-5	16IDC33C
RPM21B7	21.53	3-5	16IDC33C
RPM21BD	19.26	3-5	16IDC33C
RPM21F7	21.53	3-5	16IDC33C
RPM21JD	23.79	3-5	16IDC33C
RPM21P7	21.53	3-5	16IDC33C
RPM22B7	24.93	3-5	16IDC33C
RPM22BD	22.66	3-5	16IDC33C
RPM22ED	33.48	3-5	16IDC33C
RPM22F7	24.93	3-5	16IDC33C
RPM22JD	22.66	3-5	16IDC33C
RPM22P7	24.93	3-5	16IDC33C
RPM31F7	29.91	3-5	16IDC33C
RPM32B7	33.99	3-5	16IDC33C
RPM32BD	25.54	3-5	16IDC33C
RPM32F7	27.81	3-5	16IDC33C
RPM32P7	27.81	3-5	16IDC33C
RPM41BD	27.19	3-5	16IDC33C
RPM41F7	29.46	3-5	16IDC33C
RPM41P7	29.46	3-5	16IDC33C
RPM42B7	35.12	3-5	16IDC33C
RPM42BD	32.34	3-5	16IDC33C
RPM42F7	35.12	3-5	16IDC33C
RPM42P7	35.12	3-5	16IDC33C
RPZF1	11.95	3-5	16IDC33C
RPZF2	16.48	3-5	16IDC33C
RPZF3	18.75	3-5	16IDC33C
RPZF4	18.75	3-5	16IDC33C
RSB1A120B7	25.54	3-1	16IDC33C
RSB1A120BD	24.41	3-1	16IDC33C
RSB1A120F7	25.54	3-1	16IDC33C
RSB1A120JD	24.41	3-1	16IDC33C
RSB1A120M7	25.54	3-1	16IDC33C
RSB1A120P7	25.54	3-1	16IDC33C
RSB1A120U7	25.54	3-1	16IDC33C
RSB1A160B7	25.54	3-1	16IDC33C
RSB1A160BD	24.41	3-1	16IDC33C
RSB1A160F7	49.44	3-1	16IDC33C
RSB1A160JD	24.41	3-1	16IDC33C
RSB1A160M7	25.54	3-1	16IDC33C
RSB1A160P7	25.54	3-1	16IDC33C
RSB2A080B7	24.93	3-1	16IDC33C
RSB2A080BD	23.79	3-1	16IDC33C
RSB2A080E7	24.93	3-1	16IDC33C
RSB2A080F7	24.93	3-1	16IDC33C
RSB2A080JD	23.79	3-1	16IDC33C
RSB2A080M7	24.93	3-1	16IDC33C
RSB2A080P7	24.93	3-1	16IDC33C
RSL1PRBU	45.32	3-6	16IDC33C
RSL1PREU	POR	3-6	16IDC33C
RSL1PRFU	45.94	3-6	16IDC33C
RSL1PRJU	75.71	3-6	16IDC33C
RSL1PRPU	45.94	3-6	16IDC33C
RSL1PVBU	44.19	3-6	16IDC33C
RSL1PVEU	47.59	3-6	16IDC33C
RSL1PVFU	48.20	3-6	16IDC33C
RSL1PVJU	46.45	3-6	16IDC33C
RSL1PVPU	48.20	3-6	16IDC33C
RSLZ2	7.83	3-6	16IDC33C
RSLZ3	POR	3-6	16IDC33C

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RSLZ5	9.27	3-6	16IDC33C
RSZE1S35M	17.61	3-1	16IDC33C
RSZE1S48M	17.61	3-1	16IDC33C
RSZL300	1.85	3-1	16IDC33C
RSZL300	1.85	3-1	16IDC33C
RSZR215	1.85	3-1	16IDC33C
RSZR215	1.85	3-1	16IDC33C
RUMC21B7	21.01	3-4	16IDC33C
RUMC21BD	19.88	3-4	16IDC33C
RUMC21F7	21.01	3-4	16IDC33C
RUMC21JD	19.88	3-4	16IDC33C
RUMC21P7	19.88	3-4	16IDC33C
RUMC22B7	27.19	3-4	16IDC33C
RUMC22BD	27.81	3-4	16IDC33C
RUMC22F7	27.19	3-4	16IDC33C
RUMC22JD	28.33	3-4	16IDC33C
RUMC22P7	27.19	3-4	16IDC33C
RUMC31B7	24.41	3-4	16IDC33C
RUMC31BD	23.79	3-4	16IDC33C
RUMC31F7	24.41	3-4	16IDC33C
RUMC31FD	24.41	3-4	16IDC33C
RUMC31JD	24.41	3-4	16IDC33C
RUMC31P7	24.41	3-4	16IDC33C
RUMC32B7	31.72	3-4	16IDC33C
RUMC32BD	31.72	3-4	16IDC33C
RUMC32F7	32.34	3-4	16IDC33C
RUMC32FD	32.34	3-4	16IDC33C
RUMC32JD	32.34	3-4	16IDC33C
RUMC32P7	31.72	3-4	16IDC33C
RUW101MW	274.80	3-4	16IDC33C
RUW240BD	6.08	3-5	16IDC33C
RUZC200	6.08	3-4	16IDC33C
RUZC2M	7.83	3-4	16IDC33C
RUZC3M	10.92	3-4	16IDC33C
RUZSC2M	14.21	3-4	16IDC33C
RUZSC3M	16.48	3-4	16IDC33C
RUZSF3M	17.61	3-4	16IDC33C
RXG12B7	18.13	3-2	16IDC33C
RXG12BD	18.13	3-2	16IDC33C
RXG12F7	18.13	3-2	16IDC33C
RXG12P7	18.13	3-2	16IDC33C
RXG13B7	33.27	3-2	16IDC33C
RXG13BD	16.48	3-2	16IDC33C
RXG13F7	24.41	3-2	16IDC33C
RXG13P7	24.41	3-2	16IDC33C
RXG15BD	15.35	3-2	16IDC33C
RXG15P7	13.08	3-2	16IDC33C
RXG22B7	19.26	3-2	16IDC33C
RXG22BD	19.26	3-2	16IDC33C
RXG22F7	19.26	3-2	16IDC33C
RXG22P7	19.26	3-2	16IDC33C
RXG23B7	18.75	3-2	16IDC33C
RXG23BD	18.13	3-2	16IDC33C
RXG23F7	18.75	3-2	16IDC33C
RXG23P7	18.75	3-2	16IDC33C
RXG25B7	19.88	3-2	16IDC33C
RXG25BD	14.21	3-2	16IDC33C
RXG25P7	14.21	3-2	16IDC33C
RXM021BN	7.83	3-3	16IDC33C
RXM021FP	10.92	3-3	16IDC33C
RXM021RB	7.83	3-3	16IDC33C
RXM040W	6.08	3-3	16IDC33C
RXM040W	6.08	3-3	16IDC33C
RXM041BN7	7.83	3-3	16IDC33C
RXM041FU7	7.83	3-3	16IDC33C
RXM2AB1B7	10.92	3-3	16IDC33C
RXM2AB1BD	10.92	3-3	16IDC33C
RXM2AB1E7	10.92	3-3	16IDC33C
RXM2AB1F7	10.92	3-3	16IDC33C
RXM2AB1JD	10.92	3-3	16IDC33C
RXM2AB1P7	10.92	3-3	16IDC33C
RXM2AB2B7	14.73	3-3	16IDC33C
RXM2AB2BD	14.21	3-3	16IDC33C
RXM2AB2E7	13.60	3-3	16IDC33C
RXM2AB2F7	14.21	3-3	16IDC33C
RXM2AB2JD	15.35	3-3	16IDC33C
RXM2AB2P7	14.21	3-3	16IDC33C
RXM3AB1B7	12.46	3-3	16IDC33C
RXM3AB1BD	12.46	3-3	16IDC33C
RXM3AB1E7	14.73	3-3	16IDC33C
RXM3AB1F7	12.46	3-3	16IDC33C
RXM3AB1JD	12.46	3-3	16IDC33C
RXM3AB1P7	12.46	3-3	16IDC33C
RXM3AB2B7	17.00	3-3	16IDC33C
RXM3AB2BD	18.75	3-3	16IDC33C
RXM3AB2E7	33.99	3-3	16IDC33C
RXM3AB2F7	17.00	3-3	16IDC33C
RXM3AB2JD	17.00	3-3	16IDC33C
RXM3AB2P7	17.00	3-3	16IDC33C
RXM4AB1B7	13.60	3-3	16IDC33C
RXM4AB1BD	13.60	3-3	16IDC33C
RXM4AB1E7	13.60	3-3	16IDC33C
RXM4AB1F7	13.60	3-3	16IDC33C
RXM4AB1JD	13.60	3-3	16IDC33C
RXM4AB1P7	14.94	3-3	16IDC33C
RXM4AB1U7	13.60	3-3	16IDC33C
RXM4AB2B7	18.75	3-3	16IDC33C
RXM4AB2BD	18.75	3-3	16IDC33C
RXM4AB2E7	18.75	3-3	16IDC33C
RXM4AB2F7	19.88	3-3	16IDC33C
RXM4AB2JD	18.75	3-3	16IDC33C
RXM4AB2P7	18.75	3-3	16IDC33C
RXZ400	17.61	3-3	16IDC33C
RXZE2FA	8.24	3-3	16IDC33C
RXZE2M114	7.83	3-3	16IDC33C
RXZE2M114	7.83	3-3	16IDC33C
RXZE2M114M	9.06	3-3	16IDC33C
RXZE2M114M	9.06	3-3	16IDC33C
RXZE2S108M	6.70	3-3	16IDC33C
RXZE2S108M	6.70	3-3	16IDC33C
RXZE2S111M	9.06	3-3	16IDC33C
RXZE2S114M	9.06	3-3	16IDC33C
RXZE2S114M	9.06	3-3	16IDC33C
RXZL420	3.71	3-3	16IDC33C
RXZL520	23.79	3-3	16IDC33C
RXZL520	23.79	3-3	16IDC33C
RXZR335	13.08	3-3	16IDC33C
RXZS2	1.85	3-3	16IDC33C
RZM021BN	18.13	3-1	16IDC33C
RZM021FP	18.13	3-1	16IDC33C
RZM021RB	POR	3-1	16IDC33C
RZM031BN	10.92	3-1	16IDC33C
RZM031FPD	21.63	3-1	16IDC33C
RZM031RB	10.92	3-1	16IDC33C
RZM040W	6.08	3-1	16IDC33C
RZM041FU7	6.08	3-1	16IDC33C
S			
SEA9BINCKIT	689.60	D-34	16LBD41A
SEA9BN12PEV	1,128.80	D-34	16LBD41A
SEA9BN12TNA	896.90	D-34	16LBD41A
SEA9BN16PEV	1,494.20	D-34	16LBD41A
SEA9BN16TNA	1,230.10	D-34	16LBD41A
SEA9BN18PEV	1,198.60	D-34	16LBD41A
SEA9BN18TNA	1,333.50	D-34	16LBD41A
SEA9BN24PEV	1,533.00	D-34	16LBD41A
SEA9BN24TNA	1,279.40	D-34	16LBD41A
SEA9BN6PEV	753.60	D-34	16LBD41A
SEA9BN6TNA	600.40	D-34	16LBD41A
SEA9BN8PEV	925.60	D-34	16LBD41A
SEA9BN8TNA	722.20	D-34	16LBD41A
SEA9BP	41.90	D-34	16LBD41A
SEA9NB12	257.50	D-34	16LBD41A
SEA9NB16	369.90	D-34	16LBD41A
SEA9NB24	383.70	D-34	16LBD41A
SEA9NB6	198.50	D-34	16LBD41A
SEA9NB8	231.50	D-34	16LBD41A
SEA9NKIT	131.80	D-34	16LBD41A
SEA9NPB250TB	153.80	D-34	16LBD41A
SEA9TB1001	61.20	D-34	16LBD41A
SMT10020	2,066.50	H-14	16LBD46F
SR2A101BD	303.13	3-24	16ICE52B
SR2A101FU	303.13	3-24	16ICE52B
SR2A201BD	406.23	3-24	16ICE52B
SR2A201FU	416.94	3-24	16ICE52B
SR2B121B	338.77	3-24	16ICE52B
SR2B121BD	338.77	3-24	16ICE52B
SR2B121FU	338.77	3-24	16ICE52B
SR2B121JD	333.72	3-24	16ICE52B
SR2B122BD	376.16	3-24	16ICE52B
SR2B201B	445.27	3-24	16ICE52B
SR2B201BD	445.27	3-24	16ICE52B
SR2B201FU	445.27	3-24	16ICE52B
SR2B201JD	445.27	3-24	16ICE52B
SR2B202BD	509.85	3-24	16ICE52B
SR2CBL01	182.41	3-26	16ICE52B
SR2CBL01	182.41	3-26	16ICE52B
SR2CBL06	458.14	3-26	16ICE52B
SR2COM01	406.75	3-26	16ICE52B
SR2D101BD	252.14	3-24	16ICE52B
SR2D101FU	252.14	3-24	16ICE52B
SR2D201BD	356.90	3-24	16ICE52B
SR2D201FU	372.76	3-24	16ICE52B
SR2E121B	300.25	3-24	16ICE52B
SR2E121BD	300.25	3-24	16ICE52B
SR2E121FU	300.25	3-24	16ICE52B
SR2E201B	382.44	3-24	16ICE52B
SR2E201BD	358.03	3-24	16ICE52B

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Reference	Price (S$)	Page	LCOS
SR2E201FU	376.16	3-24	16ICE52B
SR2MEM02	48.72	3-26	16ICE52B
SR2MEM02	48.72	3-26	16ICE52B
SR2PACK2BD	677.02	3-24	16ICE52B
SR2PACK2FU	665.07	3-24	16ICE52B
SR2PACKBD	507.07	3-24	16ICE52B
SR2PACKFU	513.25	3-24	16ICE52B
SR2USB01	226.09	3-26	16ICE52B
SR2USB01	226.09	3-26	16ICE52B
SR3B101B	343.30	3-25	16ICE52B
SR3B101BD	343.30	3-25	16ICE52B
SR3B101FU	343.30	3-25	16ICE52B
SR3B102BD	343.30	3-25	16ICE52B
SR3B261B	515.52	3-25	16ICE52B
SR3B261BD	483.79	3-25	16ICE52B
SR3B261FU	505.32	3-25	16ICE52B
SR3B262BD	568.25	3-25	16ICE52B
SR3MBU01BD	231.75	3-25	16ICE52B
SR3PACK2BD	712.14	3-25	16ICE52B
SR3PACK2FU	712.14	3-25	16ICE52B
SR3PACKBD	471.95	3-25	16ICE52B
SR3PACKFU	471.95	3-25	16ICE52B
SR3XT101B	166.55	3-25	16ICE52B
SR3XT101BD	163.77	3-25	16ICE52B
SR3XT101FU	163.77	3-25	16ICE52B
SR3XT141B	188.08	3-25	16ICE52B
SR3XT141BD	178.50	3-25	16ICE52B
SR3XT141FU	178.50	3-25	16ICE52B
SR3XT61B	145.02	3-25	16ICE52B
SR3XT61BD	132.05	3-25	16ICE52B
SR3XT61FU	132.05	3-25	16ICE52B
SSD1A320BDC1	186.43	3-8	16IDC33C
SSD1A320BDC2	POR	3-8	16IDC33C
SSD1A320BDC3	POR	3-8	16IDC33C
SSL1D03BDPR	POR	3-7	16IDC33C
SSL1D03BDPV	87.55	3-7	16IDC33C
SSL1D03JDPR	POR	3-7	16IDC33C
SSL1D03JDPV	POR	3-7	16IDC33C
SSL1D101BDPR	POR	3-7	16IDC33C
SSL1D101BDPV	POR	3-7	16IDC33C
SSL1D101JDPR	POR	3-7	16IDC33C
SSL1D101JDPV	POR	3-7	16IDC33C
SSM1D212BD	130.91	3-8	16IDC33C
SSM1D26BD	83.84	3-8	16IDC33C
SSM1D312BD	POR	3-8	16IDC33C
SSM1D36BD	81.06	3-8	16IDC33C
SSP1D412BDT	155.22	3-7	16IDC33C
SSP1D425BDT	167.68	3-7	16IDC33C
SSP1D440BDT	179.63	3-7	16IDC33C
T			
TA10D2L0323TPE	2,426.90	C-6	16LBD48R
TA10D2L0403TPE	2,477.50	C-6	16LBD48R
TA10D2L0503TPE	2,530.20	C-6	16LBD48R
TA10D2L0633TPE	2,585.20	C-6	16LBD48R
TA10D2L0803TPE	2,642.70	C-6	16LBD48R
TA10D2L1003TPE	2,702.70	C-6	16LBD48R
TA10D2S0323TPE	2,018.80	C-7	16LBD48R
TA10D2S0403TPE	2,060.80	C-7	16LBD48R
TA10D2S0503TPE	2,104.70	C-7	16LBD48R
TA10D2S0633TPE	2,150.40	C-7	16LBD48R
TA10D2S0803TPE	2,198.20	C-7	16LBD48R
TA10D2S1003TPE	2,248.20	C-7	16LBD48R
TA10D3L0324TPE	2,318.10	C-6	16LBD48R
TA10D3L0404TPE	2,370.80	C-6	16LBD48R
TA10D3L0504TPE	2,426.00	C-6	16LBD48R
TA10D3L0634TPE	2,483.70	C-6	16LBD48R
TA10D3L0804TPE	2,544.30	C-6	16LBD48R
TA10D3L1004TPE	2,607.90	C-6	16LBD48R
TA10D3S0324TPE	1,873.70	C-7	16LBD48R
TA10D3S0404TPE	1,916.30	C-7	16LBD48R
TA10D3S0504TPE	1,960.80	C-7	16LBD48R
TA10D3S0634TPE	2,007.50	C-7	16LBD48R
TA10D3S0804TPE	2,056.50	C-7	16LBD48R
TA10D3S1004TPE	2,107.90	C-7	16LBD48R
TA10D4L0324TPE	2,330.30	C-6	16LBD48R
TA10D4L0404TPE	2,383.20	C-6	16LBD48R
TA10D4L0504TPE	2,438.70	C-6	16LBD48R
TA10D4L0634TPE	2,496.70	C-6	16LBD48R
TA10D4L0804TPE	2,557.60	C-6	16LBD48R
TA10D4L1004TPE	2,621.60	C-6	16LBD48R
TA10D4S0324TPE	1,885.80	C-7	16LBD48R
TA10D4S0404TPE	1,928.70	C-7	16LBD48R
TA10D4S0504TPE	1,973.50	C-7	16LBD48R
TA10D4S0634TPE	2,020.50	C-7	16LBD48R
TA10D4S0804TPE	2,069.80	C-7	16LBD48R
TA10D4S1004TPE	2,121.60	C-7	16LBD48R
TA16D3L0804TPE	2,946.80	C-6	16LBD48R
TA16D3L1004TPE	3,080.80	C-6	16LBD48R
TA16D3L1254TPE	3,227.50	C-6	16LBD48R
TA16D3L1604TPE	3,388.80	C-6	16LBD48R
TA16D3S0804TPE	2,512.00	C-7	16LBD48R
TA16D3S1004TPE	2,626.20	C-7	16LBD48R
TA16D3S1254TPE	2,751.30	C-7	16LBD48R
TA16D3S1604TPE	2,888.80	C-7	16LBD48R
TA16D4L0804TPE	2,995.10	C-6	16LBD48R
TA16D4L1004TPE	3,131.30	C-6	16LBD48R
TA16D4L1254TPE	3,280.40	C-6	16LBD48R
TA16D4L1604TPE	3,444.40	C-6	16LBD48R
TA16D4S0804TPE	2,560.30	C-7	16LBD48R
TA16D4S1004TPE	2,676.70	C-7	16LBD48R
TA16D4S1254TPE	2,804.20	C-7	16LBD48R
TA16D4S1604TPE	2,944.40	C-7	16LBD48R
TA1AD3L10H4TPE	19,125.00	C-6	16LBD48R
TA1AD3L12H4TPE	19,696.50	C-6	16LBD48R
TA1AD3L16H4TPE	20,601.00	C-6	16LBD48R
TA1AD3L8004TPE	18,450.00	C-6	16LBD48R
TA1AD4L10H4TPE	21,250.00	C-6	16LBD48R
TA1AD4L12H4TPE	21,885.00	C-6	16LBD48R
TA1AD4L16H4TPE	22,890.00	C-6	16LBD48R
TA1AD4L8004TPE	20,500.00	C-6	16LBD48R
TA25D3L1002TPE	5,872.30	C-6	16LBD48R
TA25D3L2004TPE	6,145.50	C-6	16LBD48R
TA25D3L2502TPE	6,606.30	C-6	16LBD48R
TA25D3L2504TPE	6,606.40	C-6	16LBD48R
TA25D3S2004TPE	5,680.40	C-7	16LBD48R
TA25D3S2504TPE	6,106.40	C-7	16LBD48R
TA25D4L1002TPE	6,080.00	C-6	16LBD48R
TA25D4L2004TPE	6,362.80	C-6	16LBD48R
TA25D4L2502TPE	6,840.00	C-6	16LBD48R
TA25D4L2504TPE	6,840.00	C-6	16LBD48R
TA25D4S2004TPE	5,897.70	C-7	16LBD48R
TA25D4S2504TPE	6,340.00	C-7	16LBD48R
TA63D3L3204TPE	9,273.00	C-6	16LBD48R
TA63D3L4004TPE	9,493.80	C-6	16LBD48R
TA63D3L5004TPE	9,725.40	C-6	16LBD48R
TA63D3L6302TPE	9,968.40	C-6	16LBD48R
TA63D3L6304TPE	9,968.50	C-6	16LBD48R
TA63D3S3204TPE	8,807.90	C-7	16LBD48R
TA63D3S4004TPE	9,017.60	C-7	16LBD48R
TA63D3S5004TPE	9,237.60	C-7	16LBD48R
TA63D3S6304TPE	9,468.40	C-7	16LBD48R
TA63D4L3204TPE	9,970.40	C-6	16LBD48R
TA63D4L4004TPE	10,207.80	C-6	16LBD48R
TA63D4L5004TPE	10,456.80	C-6	16LBD48R
TA63D4L6302TPE	10,718.20	C-6	16LBD48R
TA63D4L6304TPE	10,718.20	C-6	16LBD48R
TA63D4S3204TPE	9,505.30	C-7	16LBD48R
TA63D4S4004TPE	9,731.60	C-7	16LBD48R
TA63D4S5004TPE	9,969.00	C-7	16LBD48R
TA63D4S6304TPE	10,218.20	C-7	16LBD48R
TA80D3L8002TPE	12,364.80	C-6	16LBD48R
TA80D3L8004TPE	12,364.80	C-6	16LBD48R
TA80D3S8004TPE	11,864.80	C-7	16LBD48R
TA80D4L8002TPE	13,440.00	C-6	16LBD48R
TA80D4L8004TPE	13,440.00	C-6	16LBD48R
TA80D4S8004TPE	12,940.00	C-7	16LBD48R
TBUX297319	POR	3-36	16IPG71A
TBUX297319	POR	3-36	16IPG71A
TCSCAR013M120	23.48	1-19	16ICE51A
TCSEFEA23F3F22	4,215.38	3-39	16IPG71A
TCSEFEC23F3F21	POR	3-39	16IPG71A
TCSEFEC23FCF21	POR	3-39	16IPG71A
TCSESB083F23F0	1,578.27	3-37	16IPG71A
TCSESB083F2CU0	2,389.50	3-37	16IPG71A
TCSESB093F2CU0	POR	3-37	16IPG71A
TCSESL043F23F0	1,129.09	3-37	16IPG71A
TCSESPU053F1CS0	POR	3-37	16IPG71A
TCSESPU053F1CU0	1,456.42	3-37	16IPG71A
TCSESPU083FN0	POR	3-37	16IPG71A
TCSESPU093F2CS0	POR	3-37	16IPG71A
TCSESPU093F2CU0	POR	3-37	16IPG71A
TCSESU051F0	POR	3-37	16IPG71A
TCSMCNAM3M002P	129.16	1-4	16ICE51A
TCSMCNAM3M002P	129.16	1-4	16IDC34D
TCSMCNAM3M002P	129.16	1-4	16IDC34D
TM172OBM18R	723.58	3-34	16IPG73C
TM172OBM28R	866.23	3-34	16IPG73C
TM172OBM42R	1,029.49	3-34	16IPG73C
TM172PBG07R	683.92	3-34	16IPG73C
TM172PBG18R	904.86	3-34	16IPG73C
TM172PBG28R	1,020.73	3-34	16IPG73C
TM172PBG42R	1,285.96	3-34	16IPG73C
TM173OBM22R	POR	3-35	16IPG73C
TM173ODM22R	POR	3-35	16IPG73C
TM173ODM22S	POR	3-35	16IPG73C
TM221C16R	POR	3-32	16IPG73C
TM221C16T	646.43	3-32	16IPG73C

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TM221C24R	POR	3-32	16IPG73C
TM221C24T	774.46	3-32	16IPG73C
TM221C40R	POR	3-32	16IPG73C
TM221C40T	POR	3-32	16IPG73C
TM221M16R	739.33	3-32	16IPG73C
TM221M32TK	980.66	3-32	16IPG73C
TM241C24R	1,304.70	3-33	16IPG73C
TM241C24T	1,295.02	3-33	16IPG73C
TM241C40R	1,799.20	3-33	16IPG73C
TM241C40T	1,799.20	3-33	16IPG73C
TM251MDESE	769.41	2-50	16IPG73C
TM251MESC	1,483.10	3-33	16IPG73C
TM251MESE	1,483.10	3-33	16IPG73C
TM262L01MDESE8T	3,118.84	2-50	16IPG73C
TM262L01MESE8T	2,271.67	3-33	16IPG73C
TM262L10MESE8T	4,603.07	3-33	16IPG73C
TM262L20MESE8T	4,719.46	3-33	16IPG73C
TM262M05MESS8T	POR	3-33	16IPG73C
TM262M15MESS8T	4,338.88	3-33	16IPG73C
TM262M25MESS8T	6,181.13	3-33	16IPG73C
TM262M35MESS8T	8,221.67	3-33	16IPG73C
TPCCIF01	639.76	C-8	16LBD48R
TPCCIF02	459.44	C-8	16LBD48R
TPCCIF04	1,099.19	C-8	16LBD48R
TPCCOM16	318.00	C-8	16LBD48R
TPCDIO05	221.67	C-8	16LBD48R
TPCDIO07	221.67	C-8	16LBD48R
TPCDIO08	221.67	C-8	16LBD48R
TPCDIO10	221.67	C-8	16LBD48R
TPCDIO11	221.67	C-8	16LBD48R
TPCDIO13	221.67	C-8	16LBD48R
TPCDIO14	221.67	C-8	16LBD48R
TPCDIO15	280.32	C-8	16LBD48R
TPCDIO17	280.32	C-8	16LBD48R
TPCOTH37	7,485.00	C-8	16LBD48R
TPSAUX32	104.39	C-8	16LBD48R
TPSAUX33	104.39	C-8	16LBD48R
TPSAUX43	146.00	C-8	16LBD48R
TPSAUX44	153.00	C-8	16LBD48R
TPSCON35	368.00	C-8	16LBD48R
TPSCON36	368.00	C-8	16LBD48R
TPSCON39	144.72	C-8	16LBD48R
TPSCON40	248.00	C-8	16LBD48R
TPSCON41	286.00	C-8	16LBD48R
TPSCON47	495.00	C-8	16LBD48R
TPSCON48	629.00	C-8	16LBD48R
TPSCON49	330.00	C-8	16LBD48R
TPSCON50	330.00	C-8	16LBD48R
TPSCON51	345.41	C-8	16LBD48R
TPSCON53	216.00	C-8	16LBD48R
TPSCON54	299.00	C-8	16LBD48R
TPSCON57	146.53	C-8	16LBD48R
TPSCON58	191.33	C-8	16LBD48R
TPSCON59	167.38	C-8	16LBD48R
TPSCON60	219.08	C-8	16LBD48R
TPSCON61	283.24	C-8	16LBD48R
TPSCON62	373.63	C-8	16LBD48R
TPSCON63	503.91	C-8	16LBD48R
TPSCON64	667.68	C-8	16LBD48R
TPSCON68	273.00	C-8	16LBD48R
TPSISO29	104.39	C-8	16LBD48R
TPSISO30	104.39	C-8	16LBD48R
TPSISO31	104.39	C-8	16LBD48R
TPSISO65	68.50	C-8	16LBD48R
TR25D3R1604TPE	5,023.30	C-7	16LBD48R
TR25D3R2004TPE	5,142.90	C-7	16LBD48R
TR25D3R2502TPE	5,400.00	C-7	16LBD48R
TR25D3R2504TPE	5,400.00	C-7	16LBD48R
TR25D4R1604TPE	5,218.40	C-7	16LBD48R
TR25D4R2004TPE	5,342.70	C-7	16LBD48R
TR25D4R2502TPE	5,609.30	C-7	16LBD48R
TR25D4R2504TPE	5,609.80	C-7	16LBD48R
TR63D3R3204TPE	7,967.80	C-7	16LBD48R
TR63D3R4004TPE	8,157.50	C-7	16LBD48R
TR63D3R5004TPE	8,356.40	C-7	16LBD48R
TR63D3R6302TPE	8,575.10	C-7	16LBD48R
TR63D3R6304TPE	8,565.40	C-7	16LBD48R
TR63D4R3204TPE	8,582.80	C-7	16LBD48R
TR63D4R4004TPE	8,787.20	C-7	16LBD48R
TR63D4R5004TPE	9,001.50	C-7	16LBD48R
TR63D4R6302TPE	9,236.00	C-7	16LBD48R
TR63D4R6304TPE	9,226.60	C-7	16LBD48R
TR80D3R8002TPE	9,273.60	C-7	16LBD48R
TR80D3R8004TPE	9,273.60	C-7	16LBD48R
TR80D4R8002TPE	10,080.00	C-7	16LBD48R
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TRV00121	584.00	B-49	16LBD43C
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TRV00121	584.00	A-39	16LBD43C
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TRV00128	31.50	B-25	16LBD43C
TRV00128	31.50	B-49	16LBD43C
TRV00217	382.50	B-49	16LBD43C
TRV00217	382.50	B-25	16LBD43C
TRV00217	382.50	B-49	16LBD43C
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TSXCANCB50	601.62	1-19	16ICE51A
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TSXCANKCDF180T	129.78	1-19	16ICE51A
TSXCANKCDF90T	108.77	1-19	16ICE51A
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TSXCDP301	169.448	G-45	16IDC31A
TSXCDP303	222.312	G-45	16IDC31A
TSXCDP501	298.54	G-45	16IDC31A
TSXCDP503	329.338	G-45	16IDC31A
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VJDBTPRO1P	1,347.86	2-36	16IPG72B
VJDBTPRO3P	1,987.80	2-44	16IPG72B
VJDRTPROH1P	1,515.65	2-36	16IPG72B
VJDRTPROH1P	1,515.65	2-36	16IPG72B
VJDRTPROS1P	1,515.65	2-36	16IPG72B

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Reference	Price (S$)	Page	LCOS
VJDRTPROS1P	1,515.65	2-36	16IPG72B
VPL06N	1,230.00	I-3	16LBD49I
VPL12N	1,312.00	I-3	16LBD49I
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VW3A1007	195.60	1-11	16ICE51A
VW3A1101	628.09	1-18	16ICE51A
VW3A1102	163.77	1-18	16ICE51A
VW3A1103	72.72	1-18	16ICE51A
VW3A1104R10	40.27	1-4	16ICE51A
VW3A1104R10	40.27	1-4	16IDC34D
VW3A1104R10	40.27	1-4	16IDC34D
VW3A1104R10	40.27	1-4	16IDC34D
VW3A1104R100	83.33	1-18	16ICE51A
VW3A1104R100	83.33	1-18	16ICE51A
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VW3A1111	273.88	1-27	16ICE51A
VW3A1111	273.88	1-27	16ICE51A
VW3A1112	95.58	1-27	16ICE51A
VW3A1112	95.58	1-27	16ICE51A
VW3A1113	122.47	1-8	16IDC34D
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VW3A31403	POR	1-24	16ICE51A
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VW3A31407	POR	1-24	16ICE51A
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VW3A31817	POR	1-15	16ICE51A
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VW3A3627	540.34	1-19	16ICE51A
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VW3A3647	POR	1-19	16ICE51A
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VW3A3807	POR	1-19	16ICE51A
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VW3A4423	421.37	1-27	16ICE51A
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VW3A4426	POR	1-24	16ICE51A
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VW3A46111	12,533.35	1-37	16ICE51A
VW3A46112	13,337.99	1-37	16ICE51A
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VW3A46116	24,748.22	1-37	16ICE51A
VW3A46120	4,609.35	1-38	16ICE51A
VW3A46121	5,418.52	1-38	16ICE51A
VW3A46122	6,038.17	1-38	16ICE51A
VW3A46123	6,556.16	1-38	16ICE51A
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VW3A46132	23,653.02	1-38	16ICE51A
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VW3A46134	28,056.17	1-38	16ICE51A
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VW3A5406	10,623.52	1-39	16ICE51A
VW3A5407	16,724.21	1-39	16ICE51A
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VW3A7604R30	873.44	1-21	16ICE51A
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VW3A7605R30	POR	1-21	16ICE51A
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VW3A7608R07	326.30	1-21	16ICE51A
VW3A7608R30	420.34	1-21	16ICE51A
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VW3A7724	POR	1-12	16ICE51A
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VW3A7732	392.84	1-20	16ICE51A
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VW3A7736	3,494.58	1-20	16ICE51A
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VW3A8121	1,430.46	1-11	16ICE51A
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VW3A8306R03	16.79	1-4	16ICE51A
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VW3A8306R03	16.79	1-4	16ICE51A
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VW3A8306R03	16.79	G-47	16ICE51A
VW3A8306R10	15.14	1-4	16ICE51A
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VW3A8306R30	25.24	G-47	16ICE51A
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VW3A8306TF03	64.27	1-4	16ICE51A
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VW3M5D1AR15	141.42	1-57	16ICE51A
VW3M5D1AR30	79.31	1-57	16ICE51A
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XACA03	219.29	2-31	16IDC32B
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XACA9412	12.46	2-32	16IDC32B
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XALD102E	POR	2-17	16IDC32B
XALD103	53.87	2-17	16IDC32B
XALD134	57.78	2-18	16IDC32B
XALD164	63.45	2-17	16IDC32B
XALD211H29	79.93	2-18	16IDC32B
XALD213	82.19	2-18	16IDC32B
XALD213E	103.72	2-18	16IDC32B
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XALD215	82.19	2-18	16IDC32B
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XALK04	86.73	2-19	16IDC32B
XALK05	106.50	2-19	16IDC32B
XALK178	61.80	2-17	16IDC32B
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XALK178G	85.59	2-17	16IDC32B
XALK188	86.73	2-17	16IDC32B
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XB4BA42	15.35	2-1	16IDC32B
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XB4BD415	POR	2-3	16IDC32B
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XB4BV31	61.18	2-4	16IDC32B

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XB6AA22B	POR	2-12	16IDC32B
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XB6AA35B	36.26	2-12	16IDC32B
XB6AA42B	61.08	2-12	16IDC32B
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XB6AGH5B	POR	2-13	16IDC32B
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XB6CA25B	36.26	2-12	16IDC32B
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XB6DE4B2B	POR	2-10	16IDC32B
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XB6DF4B2B	51.60	2-11	16IDC32B
XB6DF4B5B	54.38	2-11	16IDC32B
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XV4C21BT	POR	2-20	16IDC32B
XV4C21MX	POR	2-20	16IDC32B
XV4C23	POR	2-20	16IDC32B

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XVBC8B8	POR	2-24	16IDC32B
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ZB5AA5	7.31	2-5	16IDC32B
ZB5AA6	7.31	2-5	16IDC32B
ZB5AA6	7.31	2-5	16IDC32B
ZB5AC2	14.73	2-7	16IDC32B
ZB5AD2	8.45	2-6	16IDC32B
ZB5AD2	8.45	2-6	16IDC32B
ZB5AD3	9.06	2-6	16IDC32B
ZB5AD3	9.06	2-6	16IDC32B
ZB5AD4	15.86	2-6	16IDC32B
ZB5AD4	15.86	2-6	16IDC32B
ZB5AD5	15.86	2-6	16IDC32B
ZB5AD5	15.86	2-6	16IDC32B
ZB5AG0	44.19	2-6	16IDC32B
ZB5AG2	33.48	2-6	16IDC32B
ZB5AG3	33.48	2-6	16IDC32B
ZB5AG4	34.61	2-6	16IDC32B
ZB5AG6	33.48	2-6	16IDC32B
ZB5AJ2	11.95	2-6	16IDC32B
ZB5AJ3	12.46	2-6	16IDC32B
ZB5AJ5	19.88	2-6	16IDC32B
ZB5AK1233	21.01	2-6	16IDC32B
ZB5AK1243	21.01	2-6	16IDC32B
ZB5AK1253	21.01	2-6	16IDC32B
ZB5AL4	9.06	2-5	16IDC32B
ZB5AL432	15.86	2-5	16IDC32B
ZB5AS844	18.13	2-7	16IDC32B
ZB5AS944	42.54	2-7	16IDC32B
ZB5AT84	24.41	2-7	16IDC32B
ZB5AV01	6.08	2-8	16IDC32B
ZB5AV013	9.06	2-8	16IDC32B
ZB5AV013	9.06	2-8	16IDC32B
ZB5AV03	6.08	2-8	16IDC32B
ZB5AV033	9.06	2-8	16IDC32B

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Reference	Price (S$)	Page	LCOS
ZB5AV033	9.06	2-8	16IDC32B
ZB5AV04	6.08	2-8	16IDC32B
ZB5AV043	9.06	2-8	16IDC32B
ZB5AV043	9.06	2-8	16IDC32B
ZB5AV05	6.08	2-8	16IDC32B
ZB5AV053	9.06	2-8	16IDC32B
ZB5AV053	9.06	2-8	16IDC32B
ZB5AV063	9.06	2-8	16IDC32B
ZB5AV063	9.06	2-8	16IDC32B
ZB5AV4	32.34	2-8	16IDC32B
ZB5AV6	12.46	2-8	16IDC32B
ZB5AVB1	10.30	2-8	16IDC32B
ZB5AVG1	10.92	2-8	16IDC32B
ZB5AVM1	16.48	2-8	16IDC32B
ZB5AW0B15	23.79	2-5	16IDC32B
ZB5AW0B15	23.79	2-5	16IDC32B
ZB5AW0G15	31.72	2-5	16IDC32B
ZB5AW0M15	43.67	2-5	16IDC32B
ZB5AW313	11.95	2-5	16IDC32B
ZB5AW313	11.95	2-5	16IDC32B
ZB5AW333	11.95	2-5	16IDC32B
ZB5AW333	11.95	2-5	16IDC32B
ZB5AW343	11.95	2-5	16IDC32B
ZB5AW343	11.95	2-5	16IDC32B
ZB5AW353	11.95	2-5	16IDC32B
ZB5AW353	11.95	2-5	16IDC32B
ZB5AZ101	9.06	2-5	16IDC32B
ZB5AZ101	9.06	2-5	16IDC32B
ZB5AZ101	9.06	2-5	16IDC32B
ZB5AZ1015	13.88	2-5	16IDC32B
ZB5AZ102	9.68	2-5	16IDC32B
ZB5AZ102	9.68	2-5	16IDC32B
ZB5AZ103	14.21	2-6	16IDC32B
ZB5AZ1035	23.48	2-6	16IDC32B
ZB5AZ105	15.35	2-6	16IDC32B
ZB5AZ1055	23.48	2-6	16IDC32B
ZB5AZ905	28.33	1-27	16ICE51A
ZB5AZ905	28.33	1-27	16ICE51A
ZB5CV003	40.17	2-19	16IDC32B
ZB5CV013	15.35	2-19	16IDC32B
ZB5CV033	15.35	2-19	16IDC32B
ZB5CV043	15.35	2-19	16IDC32B
ZB5CV053	15.35	2-19	16IDC32B
ZB5CW313	21.01	2-19	16IDC32B
ZB5CW333	21.01	2-19	16IDC32B
ZB5CW343	25.54	2-19	16IDC32B
ZB6AD22	38.52	2-13	16IDC32B
ZB6AD23	38.52	2-13	16IDC32B
ZB6AE1	POR	2-10	16IDC32B
ZB6AF1	POR	2-11	16IDC32B
ZB6AGC	48.20	2-13	16IDC32B
ZB6AGH	73.65	2-13	16IDC32B
ZB6AS834	47.07	2-12	16IDC32B
ZB6AS934	81.58	2-12	16IDC32B
ZB6AV1	12.46	2-11	16IDC32B
ZB6AV3	8.45	2-11	16IDC32B
ZB6AV4	8.45	2-11	16IDC32B
ZB6AV5	10.30	2-11	16IDC32B
ZB6CE3	27.19	2-10	16IDC32B
ZB6CE4	POR	2-10	16IDC32B
ZB6CF1	37.08	2-11	16IDC32B
ZB6CF3	37.08	2-11	16IDC32B
ZB6CF3	37.08	2-11	16IDC32B
ZB6CF4	POR	2-11	16IDC32B
ZB6CF4	POR	2-11	16IDC32B
ZB6CV1	POR	2-11	16IDC32B
ZB6CV3	16.27	2-11	16IDC32B
ZB6CV4	POR	2-11	16IDC32B
ZB6CV5	POR	2-11	16IDC32B
ZB6DA1	24.93	2-12	16IDC32B
ZB6DA2	21.01	2-12	16IDC32B
ZB6DA3	24.93	2-12	16IDC32B
ZB6DA4	29.46	2-12	16IDC32B
ZB6DE3	32.34	2-10	16IDC32B
ZB6DE4	POR	2-10	16IDC32B
ZB6DF1	28.33	2-11	16IDC32B
ZB6DF3	POR	2-11	16IDC32B
ZB6DF3	POR	2-11	16IDC32B
ZB6DF4	28.33	2-11	16IDC32B
ZB6DF4	28.33	2-11	16IDC32B
ZB6DV1	10.92	2-11	16IDC32B
ZB6DV3	10.92	2-11	16IDC32B
ZB6DV4	13.08	2-11	16IDC32B
ZB6DV5	9.06	2-11	16IDC32B
ZB6DW1	13.60	2-10	16IDC32B
ZB6DW3	13.60	2-10	16IDC32B
ZB6DW4	13.60	2-10	16IDC32B
ZB6EB1B	19.26	2-10	16IDC32B
ZB6EB3B	19.26	2-10	16IDC32B
ZB6EB4B	19.26	2-10	16IDC32B
ZB6EB5B	19.26	2-11	16IDC32B
ZB6Z1B	10.30	2-10	16IDC32B
ZB6Z1B	10.30	2-10	16IDC32B
ZB6Z2B	10.30	2-10	16IDC32B
ZB6Z5B	17.00	2-12	16IDC32B
ZB6Z5B	17.00	2-12	16IDC32B
ZB6ZB11B	28.94	2-10	16IDC32B
ZB6ZB15B*	32.34	2-10	16IDC32B
ZB6ZB15B*	32.34	2-10	16IDC32B
ZB6ZB31B*	28.94	2-10	16IDC32B
ZB6ZB31B*	28.94	2-10	16IDC32B
ZB6ZB31B*	28.94	2-10	16IDC32B
ZB6ZB35B*	32.34	2-10	16IDC32B
ZB6ZB35B*	32.34	2-10	16IDC32B
ZB6ZB42B*	47.90	2-10	16IDC32B
ZB6ZB42B*	47.90	2-10	16IDC32B
ZB6ZB45B*	32.34	2-10	16IDC32B
ZB6ZB45B*	32.34	2-10	16IDC32B
ZBSP1	POR	2-9	16IDC32B
ZBSP2	POR	2-9	16IDC32B
ZBSP3	POR	2-9	16IDC32B
ZBVB15	15.91	2-2	16IDC32B
ZBVG15	31.82	2-4	16IDC32B
ZBZ1600	40.79	2-8	16IDC32B
ZBZ1602	40.79	2-8	16IDC32B
ZBZ1604	40.79	2-8	16IDC32B
ZBZ1605	40.79	2-8	16IDC32B
ZBZ1606	40.79	2-8	16IDC32B
ZENL1111	13.60	2-19	16IDC32B
ZENL1121	13.60	2-19	16IDC32B

Average full load motor currents

Single phase motors

kW	*hp*	220 V A	240 V A
0,37	*0,5*	3,9	3,6
0,55	*0,75*	5,2	4,8
0,75	*1*	6,6	6,1
1,1	*1,5*	9,6	8,8
1,5	*2*	12,7	11,7
1,8	*2,5*	15,7	14,4
2,2	*3*	18,6	17,1
3	*4*	24,3	22,2
4	*5*	29,6	27,1
4,4	*6*	34,7	31,8
5,2	*7*	39,8	36,5
5,5	*7,5*	42,2	38,7
6	*8*	44,5	40,8
7	*9*	49,5	45,4
7,5	*10*	54,4	50

Three phase 4 pole motors 50/60 Hz

kW	*hp*	220-240 V A	380 V A	415 V A	440 V A	500 V A	660 V A	1000 V A
0,37	*0,5*	1,8	1,03	—	0,99	1	0,6	0,4
0,55	*0,75*	2,75	1,6	—	1,36	1,21	0,9	0,6
0,75	*1*	3,5	2	2	1,68	1,5	1,1	0,75
1,1	*1,5*	4,4	2,6	2,5	2,37	2	1,5	1
1,5	*2*	6,1	3,5	3,5	3,06	2,6	2	1,3
2,2	*3*	8,7	5	5	4,42	3,8	2,8	1,9
3	*4*	11,5	6,6	6,5	5,77	5	3,8	2,5
3,7	*5*	13,5	7,7	7,5	7,1	5,9	4,4	3
4	*5,5*	14,5	8,5	8,4	7,9	6,5	4,9	3,3
5,5	*7,5*	20	11,5	11	10,4	9	6,6	4,5
7,5	*10*	27	15,5	14	13,7	12	8,9	6
9	*12*	32	18,5	17	16,9	13,9	10,6	7
10	*13,5*	35	20	—	—	15	11,5	7,5
11	*15*	39	22	21	20,1	18,4	14	9
15	*20*	52	30	28	26,5	23	17,3	12
18,5	*25*	64	37	35	32,8	28,5	21,3	14,5
22	*30*	75	44	40	39	33	25,4	17
25	*35*	85	52	47	45,3	39,4	30,3	20
30	*40*	103	60	55	51,5	45	34,6	23
33	*45*	113	68	60	58	50	39	25
37	*50*	126	72	66	64	55	42	28
40	*54*	134	79	71	67	60	44	30
45	*60*	150	85	80	76	65	49	33
51	*70*	170	98	90	83	75	57	38
55	*75*	182	105	100	90	80	61	40
59	*80*	195	112	105	97	85	66	43
63	*85*	203	117	115	109	89	69	45
75	*100*	240	138	135	125	105	82	53
80	*110*	260	147	138	131	112	86	57
90	*125*	295	170	165	146	129	98	65
100	*136*	325	188	182	162	143	107	71
110	*150*	356	205	200	178	156	118	78
129	*175*	420	242	230	209	184	135	85
132	*180*	425	245	240	215	187	140	90
140	*190*	450	260	250	227	200	145	95
147	*200*	472	273	260	236	207	152	100
150	*205*	483	280	270	246	210	159	102
160	*220*	520	300	280	256	220	170	115
180	*245*	578	333	320	289	254	190	135
185	*250*	595	342	325	295	263	200	138
200	*270*	626	370	340	321	281	215	150
220	*300*	700	408	385	353	310	235	160
250	*340*	800	460	425	401	360	274	200
257	*350*	826	475	450	412	365	280	203
280	*380*	900	510	475	450	400	305	220
295	*400*	948	546	500	473	416	320	227
300	*410*	980	565	510	481	420	325	230
315	*430*	990	584	535	505	445	337	239
335	*450*	1100	620	550	518	472	355	250
355	*480*	1150	636	580	549	500	370	262
375	*500*	1180	670	610	575	527	395	273
400	*545*	1250	710	650	611	540	410	288
425	*580*	—	760	690	650	574	445	302
445	*600*	—	790	730	680	595	455	317
450	*610*	—	800	740	690	608	460	320
475	*645*	—	850	780	730	645	485	335
500	*680*	—	900	820	780	680	515	350

Degrees of protection

The IEC publications 144 and 259 define the degrees of protection provided by electrical enclosures with respect to persons, equipment within the enclosure and the ingress of water and enable this to be expressed by the letters IP followed by two numerals:

These standards do not apply to protection against the risk of explosion or conditions such as humidity, corrosive gases, fungi or vermin.
Certain equipment intended to be mounted in enclosures also contribute to the degree of protection achieved. Example: push-buttons on enclosures.
In this case the equipment will only conform with the standard when it is correctly mounted.
Different parts of an equipment can have different degrees of protection and still comply with the standards. Example : opening in the base of an enclosure.

1st characteristic numeral	**2nd characteristic numeral**
Protection against contact and penetration of solid bodies. Conforming to IEC, NFC, DIN.	Protection against the penetration of liquids. Conforming to IEC, NFC, DIN.
0 Non-protected	0 Non-protected
1 Protection against solid objects greater than 50 mm.	1 Protection against dripping water.
2 Protection against solid objects greater than 12 mm.	2 Protection against dripping water when tilted up to 15°.
3 Protection against solid objects greater than 2.5 mm.	3 Protection against spraying water.
4 Protection against solid objects greater than 1 mm.	4 Protection against splashing water.
5 Dust protected.	**5 Protection against water jets.**
6 Dust tight.	6 Protection against heavy seas.
	7 Protection against the effects of immersion.
	8 Protection against submersion.

Product Code - MasterPact MTZ with Micrologic Active circuit breakers
Drawout circuit breakers
Micrologic 2.0A A1
Micrologic 2.0E A2
Fixed circuit breakers
Micrologic 2.0A A3
Micrologic 2.0E A4
Product Code - MasterPact MTZ with Micrologic X circuit breakers
Drawout circuit breakers
Micrologic 2.0X A5
Fixed circuit breakers
Micrologic 2.0X A6

MasterPact MTZ 1 06 to 16 with Micrologic Active circuit breakers
Fixed circuit breakers A7
Connections A8
Indication Contacts & Remote Operation A9
Remote operation A10
Drawout circuit breakers A11
Connections A12
Chassis locking and Accessories A13
Indication Contacts & Remote Operation A14
Remote Operation A15
Accessories for fixed and drawout circuit breakers A16 to A17
MasterPact MTZ 1 06 to MTZ 1 16 Spare parts A18 to A21

MasterPact MTZ2 08 to MTZ3 63 with Micrologic Active circuit breakers
Fixed circuit breakers A22
Connections A23
Indication Contacts & Remote Operation A24
Remote Operation A25
Drawout circuit breakers A26 to A27
Chassis and Terminal blocks A28
Chassis locking and Accessories A29 to A30
Indication Contacts & Remote operation A31
Remote Operation A32
MTZ2 08 to MTZ3 63 circuit breakers with Neutral on the right A35

MasterPact MTZ2/3 Spare Parts A36 to A39
MasterPact MTZ with Micrologic Active
Sensor plugs and wiring terminals A40

MasterPact MTZ 1 06 to 16 with Micrologic X circuit breakers
Fixed circuit breakers A41
Connections A42
Indication Contacts & Remote Operation A43
Remote Operation A44
Drawout circuit breakers A45
Connections A46
Chassis locking and Accessories A47
Indication Contacts & Remote Operation A48
Remote Operation A49
Accessories for fixed and drawout circuit breakers A50 to A51
Fixed and Drawout switch-disconnectors A52 to A55

MasterPact MTZ 1 06 to MTZ 1 16 Spare parts A56 to A60

MasterPact MTZ2 08 to MTZ3 63 with Micrologic X circuit breakers
Fixed circuit breakers A61
Connections A62
Indication Contacts & Remote Operation A63
Remote Operation A64
Drawout circuit breakers A65 to A66
Chassis and Terminal blocks A67
Chassis locking and Accessories A68 to A69
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Remote Operation A71
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Fixed switch-disconnectors A74
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MasterPact MTZ2/3 Spare Parts A79 to A84
MasterPact MTZ2 08 to MTZ3 63 with Micrologic X
Sensor plugs and wiring terminals A85

EasyPact MVS08 to MVS40
Fixed and Drawout circuit breakers A86
Connection and Indication contacts for Fixed circuit breakers A87

Drawout circuit breakers
Connection, Chassis locking and Accessories A88
Remote Operation A89

Fixed and Drawout circuit breakers
Circuit breaker locking accessories A90
Accessories for ET trip unit & Testing equipmen A91
Fixed and Drawout switch-disconnectors A92

Drawout Circuit Breakers

Circuit Breakers (Quick Product Selector Codes)

The codes on this page are not commercial references, but product selector codes to be input into product selector to generate the basic breaker configuration

unit price (excl. GST in Singapore Dollars)

Drawout with Escutcheon (No Wireless)

		In (A at 40 °C)	Icu/Ics (kA @ 220/440V)	3P	Price (S$)	4P	Price (S$)
	Type H1 (Micrologic 2.0A)						
The configuration includes	MTZ1 08	800	42	**MTZ108_H12A3PMDHH-QA**	$ 7,779.50	**MTZ108_H12A4PMDHH-QA**	$ 9,423.50
> the circuit breaker frame	MTZ1 10	1000	42	**MTZ110_H12A3PMDHH-QA**	$ 8,177.50	**MTZ110_H12A4PMDHH-QA**	$ 9,934.50
> a control unit	MTZ1 12	1250	42	**MTZ112_H12A3PMDHH-QA**	$ 8,586.50	**MTZ112_H12A4PMDHH-QA**	$ 10,767.50
> a chassis	MTZ1 16	1600	42	**MTZ116_H12A3PMDHH-QA**	$ 9,106.00	**MTZ116_H12A4PMDHH-QA**	$ 12,096.50
> a top connection	**Type H1 (Micrologic 2.0A)**						
> a bottom connection.	MTZ2 08	800	66	**MTZ208_H12A3PMDHH-QA**	$ 8,148.50	**MTZ208_H12A4PMDHH-QA**	$ 10,062.50
> a sensor plug	MTZ2 10	1000	66	**MTZ210_H12A3PMDHH-QA**	$ 8,648.00	**MTZ210_H12A4PMDHH-QA**	$ 10,696.50
> an escutcheon	MTZ2 12	1250	66	**MTZ212_H12A3PMDHH-QA**	$ 9,241.50	**MTZ212_H12A4PMDHH-QA**	$ 11,414.00
> a terminal block	MTZ2 16	1600	66	**MTZ216_H12A3PMDHH-QA**	$ 9,917.00	**MTZ216_H12A4PMDHH-QA**	$ 12,196.00
(MTZ2/3 only)	MTZ2 20	2000	66	**MTZ220_H12A3PMDHH-QA**	$ 10,766.50	**MTZ220_H12A4PMDHH-QA**	$ 12,886.50
	MTZ2 25	2500	66	**MTZ225_H12A3PMDHH-QA**	$ 13,241.00	**MTZ225_H12A4PMDHH-QA**	$ 16,969.50
	MTZ2 32	3200	66	**MTZ232_H12A3PMDHH-QA**	$ 15,097.00	**MTZ232_H12A4PMDHH-QA**	$ 19,291.00
	MTZ2 40	4000	66	**MTZ240_H12A3PMDHH-QA**	$ 22,149.50	**MTZ240_H12A4PMDHH-QA**	$ 28,322.50
	Type H1 (Micrologic 2.0A)						
	MTZ3 50	4000	100	**MTZ340_H12A3PMDHH-QA**	$ 31,217.50	**MTZ340_H12A4PMDHH-QA**	$ 39,689.00
	MTZ3 50	5000	100	**MTZ350_H12A3PMDHH-QA**	$ 49,459.00	**MTZ350_H12A4PMDHH-QA**	$ 62,529.00
	MTZ3 63	6300	100	**MTZ363_H12A3PMDVV-QA**	$ 61,510.00	**MTZ363_H12A4PMDVV-QA**	$ 77,839.50

Drawout with Escutcheon (No Wireless)

		In (A at 40 °C)	Icu/Ics (kA @ 220/440V)	3P	Price (S$)	4P	Price (S$)
	Type H2 (Micrologic 2.0A)						
The configuration includes	MTZ1 08	800	50	**MTZ108_H22A3PMDHH-QA**	$ 8,172.50	**MTZ108_H22A4PMDHH-QA**	$ 9,895.50
> the circuit breaker frame	MTZ1 10	1000	50	**MTZ110_H22A3PMDHH-QA**	$ 8,571.00	**MTZ110_H22A4PMDHH-QA**	$ 10,467.50
> a control unit	MTZ1 12	1250	50	**MTZ112_H22A3PMDHH-QA**	$ 8,779.50	**MTZ112_H22A4PMDHH-QA**	$ 11,046.50
> a chassis	MTZ1 16	1600	50	**MTZ116_H22A3PMDHH-QA**	$ 9,366.00	**MTZ116_H22A4PMDHH-QA**	$ 12,469.00
> a top connection	**Type H2 (Micrologic 2.0A)**						
> a bottom connection.	MTZ2 08	800	100	**MTZ208_H22A3PMDHH-QA**	$ 9,591.00	**MTZ208_H22A4PMDHH-QA**	$ 12,092.00
> a sensor plug	MTZ2 10	1000	100	**MTZ210_H22A3PMDHH-QA**	$ 10,226.00	**MTZ210_H22A4PMDHH-QA**	$ 12,875.50
> an escutcheon	MTZ2 12	1250	100	**MTZ212_H22A3PMDHH-QA**	$ 10,956.50	**MTZ212_H22A4PMDHH-QA**	$ 13,806.00
> a terminal block	MTZ2 16	1600	100	**MTZ216_H22A3PMDHH-QA**	$ 11,832.50	**MTZ216_H22A4PMDHH-QA**	$ 14,793.50
(MTZ2/3 only)	MTZ2 20	2000	100	**MTZ220_H22A3PMDHH-QA**	$ 12,823.00	**MTZ220_H22A4PMDHH-QA**	$ 15,874.00
	MTZ2 25	2500	100	**MTZ225_H22A3PMDHH-QA**	$ 14,672.00	**MTZ225_H22A4PMDHH-QA**	$ 18,795.50
	MTZ2 32	3200	100	**MTZ232_H22A3PMDHH-QA**	$ 17,594.50	**MTZ232_H22A4PMDHH-QA**	$ 22,626.00
	MTZ2 40	4000	100	**MTZ240_H22A3PMDHH-QA**	$ 26,173.50	**MTZ240_H22A4PMDHH-QA**	$ 33,387.00
	Type H2 (Micrologic 2.0A)						
	MTZ3 50	4000	150	**MTZ340_H22A3PMDHH-QA**	$ 36,888.00	**MTZ340_H22A4PMDHH-QA**	$ 47,306.00
	MTZ3 50	5000	150	**MTZ350_H22A3PMDHH-QA**	$ 58,028.50	**MTZ350_H22A4PMDHH-QA**	$ 73,993.00
	MTZ3 63	6300	150	**MTZ363_H22A3PMDVV-QA**	$ 72,196.50	**MTZ363_H22A4PMDVV-QA**	$ 92,172.00

Drawout circuit breakers

Circuit Breakers (Quick Product Selector Codes)

The codes on this page are not commercial references, but product selector codes to be input into product selector to generate the basic breaker configuration

unit price (excl. GST in Singapore Dollars)

Drawout with Escutcheon (No Wireless)

		In (A at 40 °C)	Icu/Ics (kA @ 220/440V)	3P	Price (S$)	4P	Price (S$)
	Type H1 (Micrologic 2.0E)						
The configuration includes	MTZ1 08	800	42	**MTZ108_H12E3PMDHH-QA**	$ 7,792.50	**MTZ108_H12E4PMDHH-QA**	$ 9,436.50
> the circuit breaker frame	MTZ1 10	1000	42	**MTZ110_H12E3PMDHH-QA**	$ 8,190.50	**MTZ110_H12E4PMDHH-QA**	$ 9,947.50
> a control unit	MTZ1 12	1250	42	**MTZ112_H12E3PMDHH-QA**	$ 8,599.50	**MTZ112_H12E4PMDHH-QA**	$ 10,780.50
> a chassis	MTZ1 16	1600	42	**MTZ116_H12E3PMDHH-QA**	$ 9,119.00	**MTZ116_H12E4PMDHH-QA**	$ 12,109.50
> a top connection	**Type H1 (Micrologic 2.0E)**						
> a bottom connection.	MTZ2 08	800	66	**MTZ208_H12E3PMDHH-QA**	$ 8,161.50	**MTZ208_H12E4PMDHH-QA**	$ 10,075.50
> a sensor plug	MTZ2 10	1000	66	**MTZ210_H12E3PMDHH-QA**	$ 8,661.00	**MTZ210_H12E4PMDHH-QA**	$ 10,709.50
> an escutcheon	MTZ2 12	1250	66	**MTZ212_H12E3PMDHH-QA**	$ 9,254.50	**MTZ212_H12E4PMDHH-QA**	$ 11,427.00
> a terminal block	MTZ2 16	1600	66	**MTZ216_H12E3PMDHH-QA**	$ 9,930.00	**MTZ216_H12E4PMDHH-QA**	$ 12,209.00
(MTZ2/3 only)	MTZ2 20	2000	66	**MTZ220_H12E3PMDHH-QA**	$ 10,779.50	**MTZ220_H12E4PMDHH-QA**	$ 12,899.50
> a UC3 wiring (3P only)	MTZ2 25	2500	66	**MTZ225_H12E3PMDHH-QA**	$ 13,254.00	**MTZ225_H12E4PMDHH-QA**	$ 16,982.50
	MTZ2 32	3200	66	**MTZ232_H12E3PMDHH-QA**	$ 15,110.00	**MTZ232_H12E4PMDHH-QA**	$ 19,304.00
	MTZ2 40	4000	66	**MTZ240_H12E3PMDHH-QA**	$ 22,162.50	**MTZ240_H12E4PMDHH-QA**	$ 28,335.50
	Type H1 (Micrologic 2.0E)						
	MTZ3 50	4000	100	**MTZ340_H12E3PMDHH-QA**	$ 31,230.50	**MTZ340_H12E4PMDHH-QA**	$ 39,702.00
	MTZ3 50	5000	100	**MTZ350_H12E3PMDHH-QA**	$ 49,472.00	**MTZ350_H12E4PMDHH-QA**	$ 62,542.00
	MTZ3 63	6300	100	**MTZ363_H12E3PMDVV-QA**	$ 61,523.00	**MTZ363_H12E4PMDVV-QA**	$ 77,852.50

Drawout with Escutcheon (No Wireless)

		In (A at 40 °C)	Icu/Ics (kA @ 220/440V)	3P	Price (S$)	4P	Price (S$)
	Type H2 (Micrologic 2.0E)						
The configuration includes	MTZ1 08	800	50	**MTZ108_H22E3PMDHH-QA**	$ 8,185.50	**MTZ108_H22E4PMDHH-QA**	$ 9,908.50
> the circuit breaker frame	MTZ1 10	1000	50	**MTZ110_H22E3PMDHH-QA**	$ 8,584.00	**MTZ110_H22E4PMDHH-QA**	$ 10,480.50
> a control unit	MTZ1 12	1250	50	**MTZ112_H22E3PMDHH-QA**	$ 8,792.50	**MTZ112_H22E4PMDHH-QA**	$ 11,059.50
> a chassis	MTZ1 16	1600	50	**MTZ116_H22E3PMDHH-QA**	$ 9,379.00	**MTZ116_H22E4PMDHH-QA**	$ 12,482.00
> a top connection	**Type H2 (Micrologic 2.0E)**						
> a bottom connection.	MTZ2 08	800	100	**MTZ208_H22E3PMDHH-QA**	$ 9,604.00	**MTZ208_H22E4PMDHH-QA**	$ 12,105.00
> a sensor plug	MTZ2 10	1000	100	**MTZ210_H22E3PMDHH-QA**	$ 10,239.00	**MTZ210_H22E4PMDHH-QA**	$ 12,888.50
> an escutcheon	MTZ2 12	1250	100	**MTZ212_H22E3PMDHH-QA**	$ 10,969.50	**MTZ212_H22E4PMDHH-QA**	$ 13,819.00
> a terminal block	MTZ2 16	1600	100	**MTZ216_H22E3PMDHH-QA**	$ 11,845.50	**MTZ216_H22E4PMDHH-QA**	$ 14,806.50
(MTZ2/3 only)	MTZ2 20	2000	100	**MTZ220_H22E3PMDHH-QA**	$ 12,836.00	**MTZ220_H22E4PMDHH-QA**	$ 15,887.00
> a UC3 wiring (3P only)	MTZ2 25	2500	100	**MTZ225_H22E3PMDHH-QA**	$ 14,685.00	**MTZ225_H22E4PMDHH-QA**	$ 18,808.50
	MTZ2 32	3200	100	**MTZ232_H22E3PMDHH-QA**	$ 17,607.50	**MTZ232_H22E4PMDHH-QA**	$ 22,639.00
	MTZ2 40	4000	100	**MTZ240_H22E3PMDHH-QA**	$ 26,186.50	**MTZ240_H22E4PMDHH-QA**	$ 33,400.00
	Type H2 (Micrologic 2.0E)						
	MTZ3 50	4000	150	**MTZ340_H22E3PMDHH-QA**	$ 36,901.00	**MTZ340_H22E4PMDHH-QA**	$ 47,319.00
	MTZ3 50	5000	150	**MTZ350_H22E3PMDHH-QA**	$ 58,041.50	**MTZ350_H22E4PMDHH-QA**	$ 74,006.00
	MTZ3 63	6300	150	**MTZ363_H22E3PMDVV-QA**	$ 72,209.50	**MTZ363_H22E4PMDVV-QA**	$ 92,185.00

Fixed Circuit breakers

Circuit Breakers (Quick Product Selector Codes)

The codes on this page are not commercial references, but product selector codes to be input into product selector to generate the basic breaker configuration

unit price (excl. GST in Singapore Dollars)

Fixed (No Wireless)

		In (A at 40 °C)	Icu/Ics (kA @ 220/440V)	3P	Price (S$)	4P	Price (S$)
	Type H1 (Micrologic 2.0A)						
The configuration includes	MTZ1 08	800	42	**MTZ108_H12A3PMFHH**	$ 5,469.50	**MTZ108_H12A4PMFHH**	$ 7,035.50
> the circuit breaker frame	MTZ1 10	1000	42	**MTZ110_H12A3PMFHH**	$ 5,776.50	**MTZ110_H12A4PMFHH**	$ 7,430.00
> a control unit	MTZ1 12	1250	42	**MTZ112_H12A3PMFHH**	$ 6,490.00	**MTZ112_H12A4PMFHH**	$ 8,354.50
> a top connection	MTZ1 16	1600	42	**MTZ116_H12A3PMFHH**	$ 6,948.00	**MTZ116_H12A4PMFHH**	$ 9,013.50
> a bottom connection.	**Type H1 (Micrologic 2.0A)**						
> a sensor plug	MTZ2 08	800	66	**MTZ208_H12A3PMFHH**	$ 5,638.50	**MTZ208_H12A4PMFHH**	$ 7,442.00
	MTZ2 10	1000	66	**MTZ210_H12A3PMFHH**	$ 6,182.50	**MTZ210_H12A4PMFHH**	$ 7,865.00
	MTZ2 12	1250	66	**MTZ212_H12A3PMFHH**	$ 6,695.50	**MTZ212_H12A4PMFHH**	$ 8,897.50
	MTZ2 16	1600	66	**MTZ216_H12A3PMFHH**	$ 7,223.00	**MTZ216_H12A4PMFHH**	$ 9,600.00
	MTZ2 20	2000	66	**MTZ220_H12A3PMFHH**	$ 7,453.50	**MTZ220_H12A4PMFHH**	$ 11,030.00
	MTZ2 25	2500	66	**MTZ225_H12A3PMFHH**	$ 9,924.50	**MTZ225_H12A4PMFHH**	$ 12,760.00
	MTZ2 32	3200	66	**MTZ232_H12A3PMFHH**	$ 11,691.00	**MTZ232_H12A4PMFHH**	$ 15,019.00
	MTZ2 40	4000	66	**MTZ240_H12A3PMFHH**	$ 17,384.00	**MTZ240_H12A4PMFHH**	$ 22,278.50
	Type H1 (Micrologic 2.0A)						
	MTZ3 50	4000	100	**MTZ340_H12A3PMFHH**	$ 24,320.00	**MTZ340_H12A4PMFHH**	$ 31,114.50
	MTZ3 50	5000	100	**MTZ350_H12A3PMFHH**	$ 38,745.00	**MTZ350_H12A4PMFHH**	$ 49,582.50
	MTZ3 63	6300	100	**MTZ363_H12A3PMFVV**	$ 48,401.50	**MTZ363_H12A4PMFVV**	$ 62,256.00

Fixed (No Wireless)

		In (A at 40 °C)	Icu/Ics (kA @ 220/440V)	3P	Price (S$)	4P	Price (S$)
	Type H2 (Micrologic 2.0A)						
The configuration includes	MTZ1 08	800	50	**MTZ108_H22A3PMFHH**	$ 5,670.00	**MTZ108_H22A4PMFHH**	$ 7,684.50
> the circuit breaker frame	MTZ1 10	1000	50	**MTZ110_H22A3PMFHH**	$ 6,456.50	**MTZ110_H22A4PMFHH**	$ 8,191.00
> a control unit	MTZ1 12	1250	50	**MTZ112_H22A3PMFHH**	$ 6,675.50	**MTZ112_H22A4PMFHH**	$ 9,183.50
> a top connection	MTZ1 16	1600	50	**MTZ116_H22A3PMFHH**	$ 7,438.00	**MTZ116_H22A4PMFHH**	$ 9,921.00
> a bottom connection.	**Type H2 (Micrologic 2.0A)**						
> a sensor plug	MTZ2 08	800	100	**MTZ208_H22A3PMFHH**	$ 6,548.00	**MTZ208_H22A4PMFHH**	$ 8,828.50
	MTZ2 10	1000	100	**MTZ210_H22A3PMFHH**	$ 7,263.50	**MTZ210_H22A4PMFHH**	$ 9,328.00
	MTZ2 12	1250	100	**MTZ212_H22A3PMFHH**	$ 8,208.50	**MTZ212_H22A4PMFHH**	$ 10,543.50
	MTZ2 16	1600	100	**MTZ216_H22A3PMFHH**	$ 8,897.00	**MTZ216_H22A4PMFHH**	$ 11,380.00
	MTZ2 20	2000	100	**MTZ220_H22A3PMFHH**	$ 8,938.00	**MTZ220_H22A4PMFHH**	$ 12,882.50
	MTZ2 25	2500	100	**MTZ225_H22A3PMFHH**	$ 11,426.50	**MTZ225_H22A4PMFHH**	$ 14,682.50
	MTZ2 32	3200	100	**MTZ232_H22A3PMFHH**	$ 13,730.50	**MTZ232_H22A4PMFHH**	$ 17,579.50
	MTZ2 40	4000	100	**MTZ240_H22A3PMFHH**	$ 20,485.00	**MTZ240_H22A4PMFHH**	$ 26,164.50
	Type H2 (Micrologic 2.0A)						
	MTZ3 50	4000	150	**MTZ340_H22A3PMFHH**	$ 28,558.50	**MTZ340_H22A4PMFHH**	$ 36,542.50
	MTZ3 50	5000	150	**MTZ350_H22A3PMFHH**	$ 45,527.50	**MTZ350_H22A4PMFHH**	$ 58,528.00
	MTZ3 63	6300	150	**MTZ363_H22A3PMFVV**	$ 56,883.50	**MTZ363_H22A4PMFVV**	$ 73,168.50

Fixed Circuit breakers

Circuit Breakers (Quick Product Selector Codes)

The codes on this page are not commercial references, but product selector codes to be input into product selector to generate the basic breaker configuration

unit price (excl. GST in Singapore Dollars)

Fixed (No Wireless)

		In (A at 40 °C)	Icu/Ics (kA @ 220/440V)	3P	Price (S$)	4P	Price (S$)
	Type H1 (Micrologic 2.0E)						
The configuration includes	MTZ1 08	800	42	**MTZ108_H12E3PMFHH**	$ 5,482.50	**MTZ108_H12E4PMFHH**	$ 7,048.50
> the circuit breaker frame	MTZ1 10	1000	42	**MTZ110_H12E3PMFHH**	$ 5,789.50	**MTZ110_H12E4PMFHH**	$ 7,443.00
> a control unit	MTZ1 12	1250	42	**MTZ112_H12E3PMFHH**	$ 6,503.00	**MTZ112_H12E4PMFHH**	$ 8,367.50
> a top connection	MTZ1 16	1600	42	**MTZ116_H12E3PMFHH**	$ 6,961.00	**MTZ116_H12E4PMFHH**	$ 9,026.50
> a bottom connection.	**Type H1 (Micrologic 2.0E)**						
> a sensor plug	MTZ2 08	800	66	**MTZ208_H12E3PMFHH**	$ 5,651.50	**MTZ208_H12E4PMFHH**	$ 7,455.00
> a UC3 wiring (3P only)	MTZ2 10	1000	66	**MTZ210_H12E3PMFHH**	$ 6,195.50	**MTZ210_H12E4PMFHH**	$ 7,878.00
	MTZ2 12	1250	66	**MTZ212_H12E3PMFHH**	$ 6,708.50	**MTZ212_H12E4PMFHH**	$ 8,910.50
	MTZ2 16	1600	66	**MTZ216_H12E3PMFHH**	$ 7,236.00	**MTZ216_H12E4PMFHH**	$ 9,613.00
	MTZ2 20	2000	66	**MTZ220_H12E3PMFHH**	$ 7,466.50	**MTZ220_H12E4PMFHH**	$ 11,043.00
	MTZ2 25	2500	66	**MTZ225_H12E3PMFHH**	$ 9,937.50	**MTZ225_H12E4PMFHH**	$ 12,773.00
	MTZ2 32	3200	66	**MTZ232_H12E3PMFHH**	$ 11,704.00	**MTZ232_H12E4PMFHH**	$ 15,032.00
	MTZ2 40	4000	66	**MTZ240_H12E3PMFHH**	$ 17,397.00	**MTZ240_H12E4PMFHH**	$ 22,291.50
	Type H1 (Micrologic 2.0E)						
	MTZ3 50	4000	100	**MTZ340_H12E3PMFHH**	$ 24,333.00	**MTZ340_H12E4PMFHH**	$ 31,127.50
	MTZ3 50	5000	100	**MTZ350_H12E3PMFHH**	$ 38,758.00	**MTZ350_H12E4PMFHH**	$ 49,595.50
	MTZ3 63	6300	100	**MTZ363_H12E3PMFVV**	$ 48,414.50	**MTZ363_H12E4PMFVV**	$ 62,269.00

Fixed (No Wireless)

		In (A at 40 °C)	Icu/Ics (kA @ 220/440V)	3P	Price (S$)	4P	Price (S$)
	Type H2 (Micrologic 2.0E)						
The configuration includes	MTZ1 08	800	50	**MTZ108_H22E3PMFHH**	$ 5,683.00	**MTZ108_H22E4PMFHH**	$ 7,697.50
> the circuit breaker frame	MTZ1 10	1000	50	**MTZ110_H22E3PMFHH**	$ 6,469.50	**MTZ110_H22E4PMFHH**	$ 8,204.00
> a control unit	MTZ1 12	1250	50	**MTZ112_H22E3PMFHH**	$ 6,688.50	**MTZ112_H22E4PMFHH**	$ 9,196.50
> a top connection	MTZ1 16	1600	50	**MTZ116_H22E3PMFHH**	$ 7,451.00	**MTZ116_H22E4PMFHH**	$ 9,934.00
> a bottom connection.	**Type H2 (Micrologic 2.0E)**						
> a sensor plug	MTZ2 08	800	100	**MTZ208_H22E3PMFHH**	$ 6,561.00	**MTZ208_H22E4PMFHH**	$ 8,841.50
> a UC3 wiring (3P only)	MTZ2 10	1000	100	**MTZ210_H22E3PMFHH**	$ 7,276.50	**MTZ210_H22E4PMFHH**	$ 9,341.00
	MTZ2 12	1250	100	**MTZ212_H22E3PMFHH**	$ 8,221.50	**MTZ212_H22E4PMFHH**	$ 10,556.50
	MTZ2 16	1600	100	**MTZ216_H22E3PMFHH**	$ 8,910.00	**MTZ216_H22E4PMFHH**	$ 11,393.00
	MTZ2 20	2000	100	**MTZ220_H22E3PMFHH**	$ 8,951.00	**MTZ220_H22E4PMFHH**	$ 12,895.50
	MTZ2 25	2500	100	**MTZ225_H22E3PMFHH**	$ 11,439.50	**MTZ225_H22E4PMFHH**	$ 14,695.50
	MTZ2 32	3200	100	**MTZ232_H22E3PMFHH**	$ 13,743.50	**MTZ232_H22E4PMFHH**	$ 17,592.50
	MTZ2 40	4000	100	**MTZ240_H22E3PMFHH**	$ 20,498.00	**MTZ240_H22E4PMFHH**	$ 26,177.50
	Type H2 (Micrologic 2.0E)						
	MTZ3 50	4000	150	**MTZ340_H22E3PMFHH**	$ 28,571.50	**MTZ340_H22E4PMFHH**	$ 36,555.50
	MTZ3 50	5000	150	**MTZ350_H22E3PMFHH**	$ 45,540.50	**MTZ350_H22E4PMFHH**	$ 58,541.00
	MTZ3 63	6300	150	**MTZ363_H22E3PMFVV**	$ 56,896.50	**MTZ363_H22E4PMFVV**	$ 73,181.50

Drawout circuit breakers

Circuit Breakers (Quick Product Selector Codes)

The codes on this page are not commercial references, but product selector codes to be input into product selector to generate the basic breaker configuration

unit price (excl. GST in Singapore Dollars)

Drawout with Escutcheon

The configuration includes
> the circuit breaker frame
> a control unit
> a chassis
> a top connection
> a bottom connection.
> a sensor plug
> a COM wiring and microswitches
> an escutcheon
> a ULP port (MTZ2/3 only)

	In (A at 40 °C)	Icu/Ics (kA @ 220/440V)	3P	Price (S$)	4P	Price (S$)
Type H1 (Micrologic 2.0X)						
MTZ1 08	800	42	**MTZ108_H12X3PMDHH-QA**	$ 8,324.50	**MTZ108_H12X4PMDHH-QA**	$ 9,996.50
MTZ1 10	1000	42	**MTZ110_H12X3PMDHH-QA**	$ 8,734.50	**MTZ110_H12X4PMDHH-QA**	$ 10,522.50
MTZ1 12	1250	42	**MTZ112_H12X3PMDHH-QA**	$ 9,155.50	**MTZ112_H12X4PMDHH-QA**	$ 11,380.50
MTZ1 16	1600	42	**MTZ116_H12X3PMDHH-QA**	$ 9,676.00	**MTZ116_H12X4PMDHH-QA**	$ 12,728.00
Type H1 (Micrologic 2.0X)						
MTZ2 08	800	66	**MTZ208_H12X3PMDHH-ULP-QA**	$ 8,828.50	**MTZ208_H12X4PMDHH-ULP-QA**	$ 10,864.50
MTZ2 10	1000	66	**MTZ210_H12X3PMDHH-ULP-QA**	$ 9,338.50	**MTZ210_H12X4PMDHH-ULP-QA**	$ 11,524.00
MTZ2 12	1250	66	**MTZ212_H12X3PMDHH-ULP-QA**	$ 9,944.00	**MTZ212_H12X4PMDHH-ULP-QA**	$ 12,270.50
MTZ2 16	1600	66	**MTZ216_H12X3PMDHH-ULP-QA**	$ 10,632.50	**MTZ216_H12X4PMDHH-ULP-QA**	$ 13,083.50
MTZ2 20	2000	66	**MTZ220_H12X3PMDHH-ULP-QA**	$ 11,611.50	**MTZ220_H12X4PMDHH-ULP-QA**	$ 13,779.50
MTZ2 25	2500	66	**MTZ225_H12X3PMDHH-ULP-QA**	$ 14,186.50	**MTZ225_H12X4PMDHH-ULP-QA**	$ 18,026.50
MTZ2 32	3200	66	**MTZ232_H12X3PMDHH-ULP-QA**	$ 16,077.50	**MTZ232_H12X4PMDHH-ULP-QA**	$ 20,388.50
MTZ2 40	4000	66	**MTZ240_H12X3PMDHH-ULP-QA**	$ 23,349.00	**MTZ240_H12X4PMDHH-ULP-QA**	$ 29,907.50
Type H1 (Micrologic 2.0X)						
MTZ3 40	4000	100	**MTZ340_H12X3PMDHH-ULP-QA**	$ 32,718.00	**MTZ340_H12X4PMDHH-ULP-QA**	$ 41,463.50
MTZ3 50	5000	100	**MTZ350_H12X3PMDHH-ULP-QA**	$ 51,689.00	**MTZ350_H12X4PMDHH-ULP-QA**	$ 65,217.50
MTZ3 63	6300	100	**MTZ363_H12X3PMDVV-ULP-QA**	$ 64,204.50	**MTZ363_H12X4PMDVV-ULP-QA**	$ 81,116.00

Drawout with Escutcheon

The configuration includes
> the circuit breaker frame
> a control unit
> a chassis
> a top connection
> a bottom connection.
> a sensor plug
> a COM wiring and microswitches
> an escutcheon
> a ULP port (MTZ2/3 only)

	In (A at 40 °C)	Icu/Ics (kA @ 220/440V)	3P	Price (S$)	4P	Price (S$)
Type H2 (Micrologic 2.0X)						
MTZ1 08	800	50	**MTZ108_H22X3PMDHH-QA**	$ 8,729.00	**MTZ108_H22X4PMDHH-QA**	$ 10,482.50
MTZ1 10	1000	50	**MTZ110_H22X3PMDHH-QA**	$ 9,139.50	**MTZ110_H22X4PMDHH-QA**	$ 11,071.50
MTZ1 12	1250	50	**MTZ112_H22X3PMDHH-QA**	$ 9,354.00	**MTZ112_H22X4PMDHH-QA**	$ 11,668.00
MTZ1 16	1600	50	**MTZ116_H22X3PMDHH-QA**	$ 9,943.50	**MTZ116_H22X4PMDHH-QA**	$ 13,111.50
Type H2 (Micrologic 2.0X)						
MTZ2 08	800	100	**MTZ208_H22X3PMDHH-ULP-QA**	$ 10,293.50	**MTZ208_H22X4PMDHH-ULP-QA**	$ 12,953.00
MTZ2 10	1000	100	**MTZ210_H22X3PMDHH-ULP-QA**	$ 10,941.00	**MTZ210_H22X4PMDHH-ULP-QA**	$ 13,768.00
MTZ2 12	1250	100	**MTZ212_H22X3PMDHH-ULP-QA**	$ 11,686.00	**MTZ212_H22X4PMDHH-ULP-QA**	$ 14,736.00
MTZ2 16	1600	100	**MTZ216_H22X3PMDHH-ULP-QA**	$ 12,721.00	**MTZ216_H22X4PMDHH-ULP-QA**	$ 15,763.00
MTZ2 20	2000	100	**MTZ220_H22X3PMDHH-ULP-QA**	$ 13,751.00	**MTZ220_H22X4PMDHH-ULP-QA**	$ 16,886.50
MTZ2 25	2500	100	**MTZ225_H22X3PMDHH-ULP-QA**	$ 15,674.50	**MTZ225_H22X4PMDHH-ULP-QA**	$ 19,925.00
MTZ2 32	3200	100	**MTZ232_H22X3PMDHH-ULP-QA**	$ 18,675.00	**MTZ232_H22X4PMDHH-ULP-QA**	$ 23,858.00
MTZ2 40	4000	100	**MTZ240_H22X3PMDHH-ULP-QA**	$ 27,533.50	**MTZ240_H22X4PMDHH-ULP-QA**	$ 35,226.00
Type H2 (Micrologic 2.0X)						
MTZ3 40	4000	150	**MTZ340_H22X3PMDHH-ULP-QA**	$ 38,615.00	**MTZ340_H22X4PMDHH-ULP-QA**	$ 49,385.50
MTZ3 50	5000	150	**MTZ350_H22X3PMDHH-ULP-QA**	$ 60,601.00	**MTZ350_H22X4PMDHH-ULP-QA**	$ 77,140.00
MTZ3 63	6300	150	**MTZ363_H22X3PMDVV-ULP-QA**	$ 75,318.50	**MTZ363_H22X4PMDVV-ULP-QA**	$ 96,021.50

Fixed circuit breakers

Circuit Breakers (Quick Product Selector Codes)

The codes on this page are not commercial references, but product selector codes to be input into product selector to generate the basic breaker configuration

unit price (excl. GST in Singapore Dollars)

Fixed

The configuration includes
> the circuit breaker frame
> a control unit
> a top connection
> a bottom connection.
> a sensor plug
> a COM wiring and microswitches

	In (A at 40 °C)	Icu/Ics (kA @ 220/440V)	3P	Price (S$)	4P	Price (S$)
Type H1 (Micrologic 2.0X)						
MTZ1 08	800	42	**MTZ108_H12X3PMFHH**	$ 6,011.50	**MTZ108_H12X4PMFHH**	$ 7,616.50
MTZ1 10	1000	42	**MTZ110_H12X3PMFHH**	$ 6,328.00	**MTZ110_H12X4PMFHH**	$ 8,023.50
MTZ1 12	1250	42	**MTZ112_H12X3PMFHH**	$ 7,062.50	**MTZ112_H12X4PMFHH**	$ 8,975.50
MTZ1 16	1600	42	**MTZ116_H12X3PMFHH**	$ 7,534.50	**MTZ116_H12X4PMFHH**	$ 9,654.50
Type H1 (Micrologic 2.0X)						
MTZ2 08	800	66	**MTZ208_H12X3PMFHH**	$ 6,176.00	**MTZ208_H12X4PMFHH**	$ 8,064.50
MTZ2 10	1000	66	**MTZ210_H12X3PMFHH**	$ 6,730.50	**MTZ210_H12X4PMFHH**	$ 8,500.00
MTZ2 12	1250	66	**MTZ212_H12X3PMFHH**	$ 7,254.00	**MTZ212_H12X4PMFHH**	$ 9,563.50
MTZ2 16	1600	66	**MTZ216_H12X3PMFHH**	$ 7,792.00	**MTZ216_H12X4PMFHH**	$ 10,287.00
MTZ2 20	2000	66	**MTZ220_H12X3PMFHH**	$ 8,027.00	**MTZ220_H12X4PMFHH**	$ 11,760.00
MTZ2 25	2500	66	**MTZ225_H12X3PMFHH**	$ 10,627.00	**MTZ225_H12X4PMFHH**	$ 13,542.00
MTZ2 32	3200	66	**MTZ232_H12X3PMFHH**	$ 12,446.50	**MTZ232_H12X4PMFHH**	$ 15,868.50
MTZ2 40	4000	66	**MTZ240_H12X3PMFHH**	$ 18,288.50	**MTZ240_H12X4PMFHH**	$ 23,318.00
Type H1 (Micrologic 2.0X)						
MTZ3 40	4000	100	**MTZ340_H12X3PMFHH**	$ 25,430.50	**MTZ340_H12X4PMFHH**	$ 32,415.50
MTZ3 50	5000	100	**MTZ350_H12X3PMFHH**	$ 40,288.50	**MTZ350_H12X4PMFHH**	$ 51,437.50
MTZ3 63	6300	100	**MTZ363_H12X3PMFVV**	$ 50,221.50	**MTZ363_H12X4PMFVV**	$ 64,473.00

Fixed

The configuration includes
> the circuit breaker frame
> a control unit
> a top connection
> a bottom connection.
> a sensor plug
> a COM wiring and microswitches

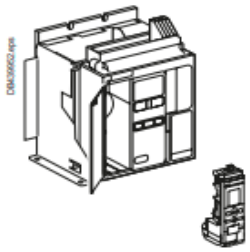
	In (A at 40 °C)	Icu/Ics (kA @ 220/440V)	3P	Price (S$)	4P	Price (S$)
Type H2 (Micrologic 2.0X)						
MTZ1 08	800	50	**MTZ108_H22X3PMFHH**	$ 6,218.00	**MTZ108_H22X4PMFHH**	$ 8,285.00
MTZ1 10	1000	50	**MTZ110_H22X3PMFHH**	$ 7,028.50	**MTZ110_H22X4PMFHH**	$ 8,807.00
MTZ1 12	1250	50	**MTZ112_H22X3PMFHH**	$ 7,253.50	**MTZ112_H22X4PMFHH**	$ 9,829.50
MTZ1 16	1600	50	**MTZ116_H22X3PMFHH**	$ 8,039.50	**MTZ116_H22X4PMFHH**	$ 10,589.00
Type H2 (Micrologic 2.0X)						
MTZ2 08	800	100	**MTZ208_H22X3PMFHH**	$ 7,149.00	**MTZ208_H22X4PMFHH**	$ 9,492.50
MTZ2 10	1000	100	**MTZ210_H22X3PMFHH**	$ 7,886.00	**MTZ210_H22X4PMFHH**	$ 10,007.00
MTZ2 12	1250	100	**MTZ212_H22X3PMFHH**	$ 8,859.50	**MTZ212_H22X4PMFHH**	$ 11,259.00
MTZ2 16	1600	100	**MTZ216_H22X3PMFHH**	$ 9,568.50	**MTZ216_H22X4PMFHH**	$ 12,120.50
MTZ2 20	2000	100	**MTZ220_H22X3PMFHH**	$ 9,611.00	**MTZ220_H22X4PMFHH**	$ 13,668.00
MTZ2 25	2500	100	**MTZ225_H22X3PMFHH**	$ 12,174.00	**MTZ225_H22X4PMFHH**	$ 15,522.00
MTZ2 32	3200	100	**MTZ232_H22X3PMFHH**	$ 14,547.00	**MTZ232_H22X4PMFHH**	$ 18,506.00
MTZ2 40	4000	100	**MTZ240_H22X3PMFHH**	$ 21,482.50	**MTZ240_H22X4PMFHH**	$ 27,320.50
Type H2 (Micrologic 2.0X)						
MTZ3 40	4000	150	**MTZ340_H22X3PMFHH**	$ 29,796.50	**MTZ340_H22X4PMFHH**	$ 38,006.00
MTZ3 50	5000	150	**MTZ350_H22X3PMFHH**	$ 47,274.50	**MTZ350_H22X4PMFHH**	$ 60,651.00
MTZ3 63	6300	150	**MTZ363_H22X3PMFVV**	$ 58,958.00	**MTZ363_H22X4PMFVV**	$ 75,712.50

Fixed circuit breakers
Circuit breakers

unit price (excl. GST in Singapore Dollars)

A MasterPact MTZ1 Active fixed circuit breaker is described by minimum below catalogue numbers corresponding to:
> the basic circuit breaker
> a control unit
> a top connection
> a bottom connection
> a sensor plug
> a UC3 terminal block for 3P breakers

A communication option and various auxiliaries and accessories may also be added.
Refer to product selector as final configuration



Basic circuit breaker

Type H1

	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu	3P	Price (S$)	4P	Price (S$)
MTZ1 06	630	42	**LV947110**	$ 2,938.00	**LV947115**	$ 4,104.00
MTZ1 08	800	42	**LV947120**	$ 3,173.00	**LV947125**	$ 4,477.00
MTZ1 10	1000	42	**LV947130**	$ 3,480.00	**LV947135**	$ 4,871.50
MTZ1 12	1250	42	**LV947140**	$ 4,193.50	**LV947145**	$ 5,796.00
MTZ1 16	1600	42	**LV947150**	$ 4,651.50	**LV947155**	$ 6,455.00

Type H2

	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu	3P	Price (S$)	4P	Price (S$)
MTZ1 06	630	50	**LV947113**	$ 2,992.50	**LV947119**	$ 4,619.50
MTZ2 08	800	50	**LV947123**	$ 3,373.50	**LV947128**	$ 5,126.00
MTZ1 10	1000	50	**LV947131**	$ 4,160.00	**LV947138**	$ 5,632.50
MTZ1 12	1250	50	**LV947141**	$ 4,379.00	**LV947147**	$ 6,625.00
MTZ1 16	1600	50	**LV947151**	$ 5,141.50	**LV947157**	$ 7,362.50

Micrologic Active A control unit/No Wireless

		3P/4P	Price (S$)
Micrologic Active 2.0 A	basic protection - LI	**LV947282**	$ 1,340.50
Micrologic Active 5.0 A	selective protection - LSI	**LV947285**	$ 1,930.00
Micrologic Active 6.0 A	selective + earth-fault protection - LSIG	**LV947286**	$ 2,744.50

Micrologic Active E control unit/No Wireless

		3P/4P	Price (S$)
Micrologic Active 2.0 E	basic protection -LI	**LV947280**	$ 1,353.50
Micrologic Active 5.0 E	selective protection - LSI	**LV947283**	$ 1,949.00
Micrologic Active 6.0 E	selective + earth-fault protection -LSIG	**LV947288**	$ 2,744.50

Communication option

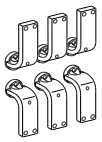
ULP Port		**LV850063**	$ 352.00
ULP Port wires for MTZ1		**LV836388**	$ 70.50
IFM	Modbus interface	**LV434000**	$ 424.50
IFE	Ethernet interface for LV breaker	**LV434001**	$ 901.50
	Ethernet interface for LV breakers and gateway	**LV434002**	$ 1,366.00
I/O application module		**LV434063**	$ 895.00

Fixed circuit breakers
Connections

unit price (excl. GST in Singapore Dollars)

Front connection

DB117100

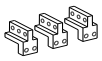


		3P		Price (S$)	4P		Price (S$)
630-1600 A	Top	**LV847328**	$	*497.00*	**LV847330**	$	*655.00*
	Bottom	**LV847329**	$	*497.00*	**LV847331**	$	*655.00*

Front connection accessories

Vertical connection adapters 250/630-1600 A

DB117080



			Price (S$)
3P (3 parts)	**LV833642SP**	$	*778.00*
4P (4 parts)	**LV833643SP**	$	*1,033.00*

Interphase barriers

DB117109

			Price (S$)
3P/4P top (3 parts)	**LV833648SP**	$	*168.50*
3P/4P bottom (3 parts)	**LV833648SP**	$	*168.50*

Arc chute screen

DB117090

			Price (S$)
3P	**LV847335SP**	$	*175.00*
4P	**LV847336SP**	$	*223.00*

Rear connection

Vertical connection

DB117077

		3P		Price (S$)	4P		Price (S$)
630-1600 A	Top	**LV833604**	$	*419.50*	**LV833614**	$	*550.50*
	Bottom	**LV833605**	$	*419.50*	**LV833615**	$	*550.50*

Horizontal connection

DB117076

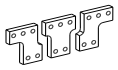
		3P		Price (S$)	4P		Price (S$)
630-1600 A	Top	**LV833606**	$	*419.50*	**LV833616**	$	*550.50*
	Bottom	**LV833607**	$	*419.50*	**LV833617**	$	*550.50*

Rear connection accessories

Common accessories for front and rear connection

Spreaders

DB117075



				Price (S$)
630-1600 A	3P	**LV833622SP**	$	*529.50*
	4P	**LV833623SP**	$	*705.00*

For front and horizontal rear connection

Cable lug adapters 630-1600 A

DB117079

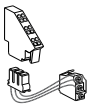
			Price (S$)
3P (3 parts)	**LV833644SP**	$	*625.50*
4P (4 parts)	**LV833645SP**	$	*828.50*

Fixed circuit breakers
Indication contacts & Remote Operation

unit price (excl. GST in Singapore Dollars)

ON/OFF indication contacts (OF)

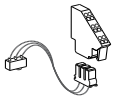
DB117067



Changeover contacts (6 A - 240 V)	4 (standard)		**Price (S$)**
1 low-level OF to replace 1 standard OF (4 max.)	**LV847339**	*$*	*102.00*

"Fault trip" indication contacts (SDE)

DB117099



Changeover contact (6 A - 240 V)	1 (standard)		**Price (S$)**
1 additional SDE (6 A - 240 V)	**LV847340**	*$*	*122.50*
1 additional low-level SDE	**LV847341**	*$*	*122.50*

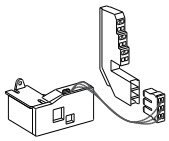
"Ready to close" contact (1 max.)

DB117070

	PF		**Price (S$)**
1 changeover contact (5 A - 240 V)	**LV847342**	*$*	*201.00*
1 low-level changeover contact	**LV847343**	*$*	*201.00*

Remote reset after fault trip

DB117062



Electrical reset	**RES**		**Price (S$)**
110/130 V AC	**LV847344**	*$*	*375.50*
220/240 V AC	**LV847345**	*$*	*375.50*
Automatic reset	**RAR**		
Adaptation	**LV847346**	*$*	*58.00*

A

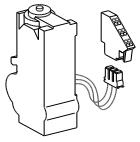
Fixed circuit breakers
Remote Operation

unit price (excl. GST in Singapore Dollars)

Remote ON/OFF

Gear motor

DB117072



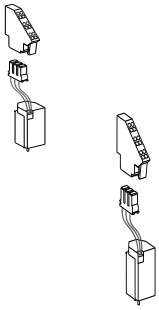
		MCH		Price (S$)
AC 50/60 Hz	48 V	**LV847391**	$	*1,939.50*
	100/130 V	**LV847395**	$	*1,939.50*
	200/240 V	**LV847396**	$	*1,939.50*
	277/415 V	**LV847398**	$	*1,939.50*
	440/480 V	**LV847400**	$	*1,939.50*
DC	24/30 V	**LV847390**	$	*1,939.50*
	48/60 V	**LV847391**	$	*1,939.50*
	100/130 V	**LV847392**	$	*1,939.50*
	200/250 V	**LV847393**	$	*1,939.50*

Instantaneous voltage releases

DB117071

DB404311

DB404311



		Closing release		Price (S$)	Opening release		Price (S$)
Standard		**XF**			**MX**		
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV847350**	$	*275.50*	**LV847360**	$	*275.50*
DC	48/60 V DC, 48 V AC	**LV847351**	$	*275.50*	**LV847361**	$	*275.50*
	100/130 V AC/DC	**LV847352**	$	*275.50*	**LV847362**	$	*275.50*
	200/250 V AC/DC	**LV847353**	$	*275.50*	**LV847363**	$	*275.50*
	277 V AC	**LV847354**	$	*275.50*	**LV847364**	$	*275.50*
	380/480 V AC	**LV847355**	$	*275.50*	**LV847365**	$	*275.50*

		Opening release		
Standard		**MN**		Price (S$)
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV847380**	$	*275.50*
DC	48/60 V DC, 48 V AC	**LV847381**	$	*275.50*
	100/130 V AC/DC	**LV847382**	$	*275.50*
	200/250 V AC/DC	**LV847383**	$	*275.50*
	380/480 V AC	**LV847385**	$	*275.50*

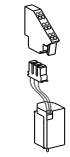
Isolation module for Communicating Coils

Isolation module for COM coils	**LV850056**	$ *758.00*

Remote tripping

Instantaneous voltage release

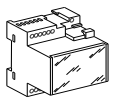
DB117071



		2nd MX (*)		Price (S$)
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV847370**	$	*275.50*
DC	48/60 V DC, 48 V AC	**LV847371**	$	*275.50*
	100/130 V AC/DC	**LV847372**	$	*275.50*
	200/250 V AC/DC	**LV847373**	$	*275.50*
	277 V AC	**LV847374**	$	*275.50*
	380/480 V AC	**LV847375**	$	*275.50*

MN delay unit

DB117105



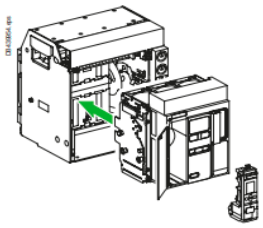
		R (non-adjustable)		Price (S$)	Rr (adjustable)		Price (S$)
AC 50/60 Hz	48/60 V AC/DC				**LV833680SP**	$	*649.00*
DC	100/130 V AC/DC	**LV833684SP**	$	*507.50*	**LV833681SP**	$	*649.00*
	200/250 V AC/DC	**LV833685SP**	$	*507.50*	**LV833682SP**	$	*649.00*
	380/480 V AC/DC				**LV833683SP**	$	*649.00*

(*) Non compatible with any version of MN coils

Drawout Circuit Breakers
Circuit breakers

unit price (excl. GST in Singapore Dollars)

A MasterPact MTZ1 Active drawout circuit breaker is described by minimum below catalogue numbers corresponding to:
> the basic circuit breaker
> a control unit
> a chassis
> a top connection
> a bottom connection
> a sensor plug
> a UC3 terminal block for 3P breakers
A communication option and various auxiliaries and accessories may also be added.



Basic circuit breaker

Type H1

	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu	3P	Price (S$)	4P	Price (S$)
MTZ1 06	630	42	**LV947200**	$ 2,928.50	**LV947205**	$ 3,769.00
MTZ1 08	800	42	**LV947210**	$ 3,284.00	**LV947215**	$ 4,213.00
MTZ1 10	1000	42	**LV947220**	$ 3,682.00	**LV947225**	$ 4,724.00
MTZ1 12	1250	42	**LV947230**	$ 4,091.00	**LV947235**	$ 5,557.00
MTZ1 16	1600	42	**LV947240**	$ 4,112.50	**LV947245**	$ 6,164.00

Type H2

	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu	3P	Price (S$)	4P	Price (S$)
MTZ1 06	630	50	**LV947203**	$ 2,949.00	**LV947209**	$ 4,185.00
MTZ1 08	800	50	**LV947211**	$ 3,677.00	**LV947218**	$ 4,685.00
MTZ1 10	1000	50	**LV947221**	$ 4,075.50	**LV947228**	$ 5,257.00
MTZ1 12	1250	50	**LV947231**	$ 4,284.00	**LV947237**	$ 5,836.00
MTZ1 16	1600	50	**LV947241**	$ 4,372.50	**LV947247**	$ 6,536.50

Micrologic Active A control unit/No Wireless

		3P/4P	Price (S$)
Micrologic Active 2.0 A	basic protection - LI	**LV965304**	$ 1,340.50
Micrologic Active 5.0 A	selective protection - LSI	**LV965305**	$ 1,930.00
Micrologic Active 6.0 A	selective + earth-fault protection - LSIG	**LV965306**	$ 2,744.50

Micrologic Active E control unit/No Wireless

		3P/4P	Price (S$)
Micrologic Active 2.0 E	basic protection -LI	**LV947281**	$ 1,353.50
Micrologic Active 5.0 E	selective protection - LSI	**LV947284**	$ 1,949.00
Micrologic Active 6.0 E	selective + earth-fault protection -LSIG	**LV947292**	$ 2,744.50

Chassis

For type H1 - H2 - H3

	3P	Price (S$)	4P	Price (S$)
630-1250 A	**LV833722**	$ 2,301.00	**LV833725**	$ 2,857.00
1600 A	**LV833723**	$ 2,799.00	**LV833726**	$ 3,579.00

Communication option

ULP Port		**LV850063**	$ 352.00
ULP Port wires for MTZ1		**LV836388**	$ 70.50
IFM	Modbus interface	**LV434000**	$ 424.50
IFE	Ethernet interface for LV breaker	**LV434001**	$ 901.50
	Ethernet interface for LV breakers and gateway	**LV434002**	$ 1,366.00
I/O application module		**LV434063**	$ 895.00

Drawout Circuit Breakers
Connections

unit price (excl. GST in Singapore Dollars)

Chassis terminal blocks

Standard Terminal Blocks

Each chassis comes equipped in standard with the terminal blocks corresponding to the customer functions below
- the basic device : OF1, OF2, OF3, OF4, SDE1
- the MicroLogic control unit : COM, UC1, UC2
- the 5 most common accessories : MN/MX2, MX1, XF, PF, MCH.

Additional Terminal Blocks

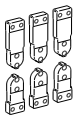
If the device is equipped with one or a combination of the following 3 additional accessories:
- SDE2/RES
- PTE

all the necessary chassis terminal blocks are coded by one of the part numbers below :

		Price (S$)
Chassis terminal block for PTE	**LV839461**	$ 24.00
Chassis terminal block for SDE2	**LV839462**	$ 24.00
Chassis terminal blocks for PTE + SDE2	**LV839463**	$ 49.00

Chassis front connection

DB117068

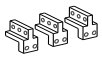


		3P	Price (S$)	4P	Price (S$)
630-1600 A	Top	**LV833727**	$ 382.50	**LV833733**	$ 498.50
	Bottom	**LV833728**	$ 351.00	**LV833734**	$ 457.50

Front connection accessories

Vertical connection adapters 250/630-1600 A

DB117080



		Price (S$)
3P (3 parts)	**LV833642SP**	$ 778.00
4P (4 parts)	**LV833643SP**	$ 1,033.00

Chassis rear connection

Vertical connection

DB117077

		3P	Price (S$)	4P	Price (S$)
250/630-1600 A	Top	**LV833729**	$ 397.50	**LV833735**	$ 503.50
	Bottom	**LV833730**	$ 397.50	**LV833736**	$ 503.50

Horizontal connection

DB117076

		3P	Price (S$)	4P	Price (S$)
250/630-1600 A	Top	**LV833731**	$ 236.50	**LV833737**	$ 316.00
	Bottom	**LV833732**	$ 236.50	**LV833738**	$ 316.00

Rear connection accessories

DB117078

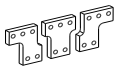
Interphase barriers

		Price (S$)
3P/4P (3 parts)	**LV833768SP**	$ 150.50

Common accessories for front and rear connection

Spreaders

DB117075



			Price (S$)
630-1600 A	3P	**LV833622SP**	$ 529.50
	4P	**LV833623SP**	$ 705.00

For front and horizontal rear connection.

Cable lug adapters 630-1600 A

DB117079

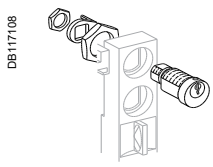
		Price (S$)
3P (3 parts)	**LV833644SP**	$ 625.50
4P (4 parts)	**LV833645SP**	$ 828.50

Drawout Circuit Breakers
Chassis locking and accessories

unit price (excl. GST in Singapore Dollars)

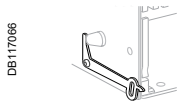
Chassis locking

"Disconnected" position locking



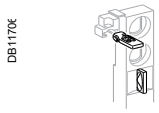
				Price (S$)
	VCPO	**Standard**		
By Profalux keylocks				
Profalux	1 lock with 1 key + adaptation kit	**LV833773**	$	*252.00*
	2 locks 1 key + adaptation kit	**LV833774**	$	*502.50*
	2 locks 2 different keys + adaptation kit	**LV833775**	$	*502.50*
By Ronis keylocks				
Ronis	1 lock with 1 key + adaptation kit	**LV833776**	$	*243.00*
	2 locks 1 key + adaptation kit	**LV833777**	$	*483.00*
	2 locks 2 different keys + adaptation kit	**LV833778**	$	*483.00*
Optional disconnected/test/connected position locking		**LV833779**	$	*288.00*
Adaptation kit	adaptation kit Profalux	**LV833769SP**	$	*152.50*
(without keylock):	adaptation kit Castell	**LV833771SP**	$	*582.00*
	adaptation kit Kirk	**LV833772SP**	$	*449.50*

Door interlock (1 part)



			Price (S$)
Right-hand side of chassis (VPECD)	**LV833786**	$	*178.00*
Left-hand side of chassis (VPECG)	**LV833787**	$	*178.00*

Racking interlock



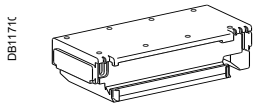
			Price (S$)
Racking interlock (VPOC)	**LV833788**	$	*149.50*

Breaker mismatch protection

			Price (S$)
Breaker mismatch protection (VDC)	**LV833767SP**	$	*263.00*

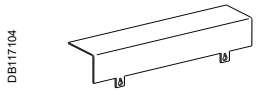
Chassis accessories

Arc chute cover



		Price (S$)
3P/4P	**Standard**	

Auxiliary terminal shield (CB)



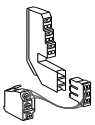
				Price (S$)
Terminal shield	3P	**LV833763**	$	*107.50*
	4P	**LV833764**	$	*144.50*

Drawout Circuit Breakers
Indication contacts & Remote Operation

unit price (excl. GST in Singapore Dollars)

ON/OFF indication contacts (OF)

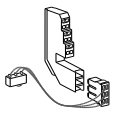
DB117063



Changeover contacts (6 A - 240 V)	4 (standard)		**Price (S$)**
1 low-level OF to replace 1 standard OF (4 max.)	**LV833806**	*$*	*361.50*

"Fault trip" indication contacts (SDE)

DB117098



Changeover contact (6 A - 240 V)	1 (standard)		**Price (S$)**
1 additional SDE (6 A - 240 V)	**LV847430**	*$*	*122.50*
1 additional low-level SDE	**LV847431**	*$*	*122.50*

Carriage switches (connected / disconnected / test position)

DB117061

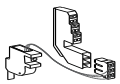
Changeover contacts (6 A - 240 V)			
			Price (S$)
1 connected position contact (3 max.)	**LV833751**	*$*	*80.50*
1 test position contact (1 max.)	**LV833752**	*$*	*75.00*
1 disconnected position contact (2 max.)	**LV833753**	*$*	*80.50*
And/or low-level changeover contacts			
1 connected position contact (3 max.)	**LV833754**	*$*	*96.50*
1 test position contact (1 max.)	**LV833755**	*$*	*90.00*
1 disconnected position contact (2 max.)	**LV833756**	*$*	*90.00*

Auxiliary terminals for chassis alone

			Price (S$)
3 wire terminal (30 parts)	**LV847071SP**	*$*	*567.50*
6 wire terminal (10 parts)	**LV847072SP**	*$*	*427.50*
Jumpers (10 parts)	**LV847900SP**	*$*	*34.50*

"Ready to close" contact (1 max.)

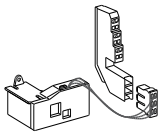
DB117059



	PF		**Price (S$)**
1 changeover contact (5 A - 240 V)	**LV847432**	*$*	*201.00*
1 low-level changeover contact	**LV847433**	*$*	*201.00*

Remote reset after fault trip

DB117062



Electrical reset	**RES**		**Price (S$)**
110/130 V AC	**LV847434**	*$*	*389.50*
220/240 V AC	**LV847435**	*$*	*389.50*
Automatic reset	**RAR**		**Price (S$)**
Adaptation	**LV847346**	*$*	*58.00*

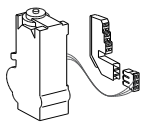
Drawout Circuit Breakers
Remote operation

unit price (excl. GST in Singapore Dollars)

Remote ON/OFF

Gear motor

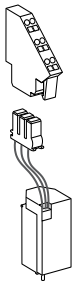
DB117060



		MCH		Price (S$)
AC 50/60 Hz	48 V	**LV847461**	$	*1,939.50*
	100/130 V	**LV847465**	$	*1,939.50*
	200/240 V	**LV847466**	$	*1,939.50*
	277/415 V	**LV847468**	$	*1,939.50*
	440/480 V	**LV847470**	$	*1,939.50*
DC	24/30 V	**LV847460**	$	*1,939.50*
	48/60 V	**LV847461**	$	*1,939.50*
	100/130 V	**LV847462**	$	*1,939.50*
	200/250 V	**LV847463**	$	*1,939.50*

Instantaneous voltage releases

DB404318

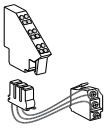


		Closing release			Opening release		
Standard		**XF**		**Price (S$)**	**MX**		**Price (S$)**
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV847440**	$	*256.50*	**LV833810**	$	*256.50*
DC	48/60 V DC, 48 V AC	**LV847441**	$	*256.50*	**LV833811**	$	*256.50*
	100/130 V AC/DC	**LV847442**	$	*256.50*	**LV833812**	$	*256.50*
	200/250 V AC/DC	**LV847443**	$	*256.50*	**LV833813**	$	*256.50*
	277 V AC	**LV847444**	$	*256.50*	**LV833814**	$	*256.50*
	380/480 V AC	**LV847445**	$	*256.50*	**LV833815**	$	*256.50*
Diagnostics & Communicating		**MN diag**		**Price (S$)**			
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV836710**	$	*610.00*			
DC	48/60 V DC, 48 V AC	**LV836711**	$	*610.00*			
	100/130 V AC/DC	**LV836712**	$	*610.00*			
	200/250 V AC/DC	**LV836713**	$	*610.00*			
	380/480 V AC	**LV836714**	$	*610.00*			

Remote tripping

Instantaneous voltage release

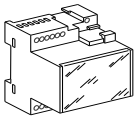
DB117...



		2nd MX (*)		Price (S$)
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV847450**	$	*256.50*
DC	48/60 V DC, 48 V AC	**LV847451**	$	*256.50*
	100/130 V AC/DC	**LV847452**	$	*256.50*
	200/250 V AC/DC	**LV847453**	$	*256.50*
	277 V AC	**LV847454**	$	*256.50*
	380/480 V AC	**LV847455**	$	*256.50*

MN delay unit

DB117105



		R (non-adjustable)		Price (S$)	Rr (adjustable)		Price (S$)
AC 50/60 Hz	48/60 V AC/DC				**LV833680SP**	$	*649.00*
DC	100/130 V AC/DC	**LV833684SP**	$	*507.50*	**LV833681SP**	$	*649.00*
	200/250 V AC/DC	**LV833685SP**	$	*507.50*	**LV833682SP**	$	*649.00*
	380/480 V AC/DC				**LV833683SP**	$	*649.00*

(*) Not compatible with any version of MN coils

unit price (excl. GST in Singapore Dollars)

Circuit breaker locking

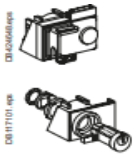
Pushbutton locking device

DB117058

			Price (S$)
By padlocks	**LV833897**	$	*122.50*

OFF position locking

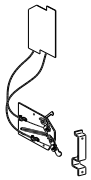
DB117101



By padlocks + BPFE support				
				Price (S$)
	VCPO	**LV847514**	$	*131.50*
By Profalux keylocks				
Profalux	1 lock with 1 key + adaptation kit	**LV847519**	$	*335.50*
	2 locks 1 key + adaptation kit	**LV847520**	$	*570.00*
By Ronis keylocks + BPFE support				
Ronis	1lock with 1 key + adaptation kit	**LV847521**	$	*335.50*
	2 locks 1 key + adaptation kit	**LV847522**	$	*570.00*
Adaptation kit (without keylock):	adaptation kit Profalux / Ronis	**LV847515SP**	$	*239.50*
	adaptation kit Kirk	**LV847517SP**	$	*720.50*
	adaptation kit Castell	**LV847518SP**	$	*930.50*

Cable-type door interlock

DB117091

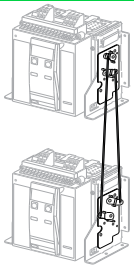


1 complete assembly for MasterPact MTZ1 fixed devices	**LV833920SP**	$	*1,215.50*
1 complete assembly for MasterPact MTZ1 drawout devices	**LV833921SP**	$	*1,252.00*

Mechanical interlocking for source changeover

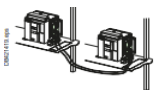
Interlocking using connecting rods

DB117097



Choose 1 kit of 2 adaptation fixtures + 1 set of rods			Price (S$)
Kit of 2 MasterPact MTZ1 adaptation fixtures for fixed devices	**LV833203SP**	$	*837.00*
Kit of 2 MasterPact MTZ1 adaptation fixtures for drawout devices	**LV833204SP**	$	*848.50*
1 set of 2 interlocking rods	**LV833210SP**	$	*394.50*

Interlocking using cables (*)



Choose 2 adaptation fixtures (1 for each device) + 1 set of cables			Price (S$)
1 adaptation fixture for MasterPact MTZ1 fixed devices	**LV833200SP**	$	*616.50*
1 adaptation fixture for MasterPact MTZ1 drawout devices	**LV833201SP**	$	*616.50*
1 set of 2 cables	**LV833209SP**	$	*261.50*

(*) Can be used with any combination of MTZ1 or MTZ2/3, fixed or drawout devices.

Other circuit breaker accessories

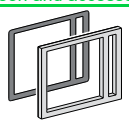
Mechanical operation counter

DB117057

			Price (S$)
Operation counter CDM	**LV833895**	$	*418.00*

Escutcheon and accessories

DB117056

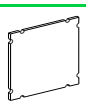


Escutcheon

DB117055

Cover

DB117053



Blanking plate

Fixed		Price (S$)	Drawout		Price (S$)
LV833718SP	$	*92.50*	**LV833857SP**	$	*264.00*
			LV833859SP	$	*628.50*
			LV833858SP	$	*165.00*

unit price (excl. GST in Singapore Dollars)

Accessories for Micrologic control units

External sensors

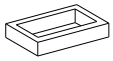
External sensor for earth-leakage protection (TCE)

DB117054

			Price (S$)
Sensor rating 400/1600 A	**LV833576SP**	$	*1,701.50*

Source ground return (SGR) earth fault protection

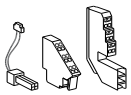
DB117089



			Price (S$)
External sensor (SGR)	**LV833579SP**	$	*1,589.00*
MDGF summing module	**LV848891SP**	$	*1,995.00*

Voltage measurement input (for breakers supplied via bottom terminals)

DB117088

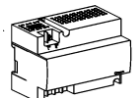


				Price (S$)
Voltage measurement input	Fixed	**LV947506**	$	*234.50*
	Drawout	**LV947507**	$	*208.50*

Zone Selective Interlocking option for Micrologic Active

ZSI	Standard

External power supply module (AD)



			Price (S$)
24/30 V DC	**LV454440**	$	*901.00*
48/60 V DC	**LV454441**	$	*901.00*
100/125 V DC	**LV454442**	$	*901.00*
110/130 V AC	**LV454443**	$	*625.00*
200/240 V AC	**LV454444**	$	*505.00*

Restraint Interface Module (RIM)

DB117095

24 V DC	**LV838892SP**	*POA*

Test & Commissioning equipment

Insulation Box (Micrologic Active for NT NW retrofit)

DB11709

			Price (S$)
	LV910200SP	$	*800.00*

Mobile PowerPack for Micrologic Active (by APC)

DB117093

			Price (S$)
Mobile PowerPack	**LV850055SP**	$	*290.00*

Special settings

To be specified when ordering

Rating	MTZ1 06	MTZ1 08	MTZ1 10	MTZ1 12	MTZ1 16
400	b	b	b	b	b
630		b	b	b	b
800			b	b	b
1000				b	b
1250					b
1600					

Connection

unit price (excl. GST in Singapore Dollars)

Connection

Fixed circuit breakers

Front connection / Replacement kit (3 or 4 parts)

		3P	Price (S$)	4P	Price (S$)
Top or bottom	630-1600 A	LV847069SP	$ 460.50	LV847070SP	$ 598.50

Rear connection (vertical or horizontal mounting) / Replacement kit (3 or 4 parts)

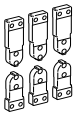
Vert. mounting.

Horiz. mounting.

	3P	Price (S$)	4P	Price (S$)
630-1600 A	LV833584SP	$ 421.50	LV833585SP	$ 550.50

Drawout circuit breakers

Front connection / Replacement kit (6 or 8 parts)



		3P	Price (S$)	4P	Price (S$)
Top and bottom	630-1600 A	LV833588SP	$ 724.00	LV833589SP	$ 967.50

Rear connection (vertical or horizontal mounting) / Replacement kit (3 or 4 parts)

Vert. mounting

Horiz. mounting.

	3P	Price (S$)	4P	Price (S$)
630-1600 A	LV833586SP	$ 397.50	LV833587SP	$ 522.50

Connection accessories

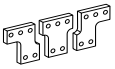
Vertical connection adapters 630-1600 A / Replacement kit (3 or 4 parts)

	3P	Price (S$)	4P	Price (S$)
For fixed and drawout front-connected circuit breakers	LV833642SP	$ 778.00	LV833643SP	$ 1,033.00

Cable lug adapters 630-1600 A / Replacement kit (3 or 4 parts)

	3P	Price (S$)	4P	Price (S$)
For fixed and drawout front-connected circuit breakers	LV833644SP	$ 625.50	LV833645SP	$ 828.50

Spreaders / Replacement kit 630-1600 A (3 or 4 parts)



	3P	Price (S$)	4P	Price (S$)
For fixed and drawout front and rear-connected circuit breakers	LV833622SP	$ 529.50	LV833623SP	$ 705.00

Interphase barriers / Replacement kit (3 or 4 parts)

	3P	Price (S$)	4P	Price (S$)
For fixed front and rear-connected circuit breakers (take 2 kits : 1 for the top, 1 for the buttom connections)	LV833648SP	$ 168.50	LV833648SP	$ 168.50
For drawout rear-connected circuit breakers (the same kit covers the top and the bottom connections on the same time)	LV833768SP	$ 150.50	LV833768SP	$ 150.50

Arc chute screen (1 part)

	3P	Price (S$)	4P	Price (S$)
For fixed front-connected circuit breakers	LV847335SP	$ 175.00	LV847336SP	$ 223.00

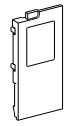
Micrologic Active A/E control unit, communication option, accessories

unit price (excl. GST in Singapore Dollars)

Replacement parts for Micrologic Active A/E control units

Micrologic Active

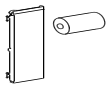
DB421423



			Price (S$)
Active 2.0E	**LV947600SP**	$	*1,547.00*
Active 6.0E	**LV947603SP**	$	*2,903.00*

Micrologic Active A/E Battery + Transparent cover

DB421424



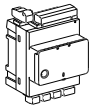
			Price (S$)
Battery (1 part)	**LV933593SP**		*POA*
Transparent Cover (1 part)	**LV850053SP**	$	*30.50*

Communication option

DB421425

DB421426

DB421427



DB424664

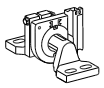
				Price (S$)
EIFE	Embedded Ethernet interface for LV breaker	**LV851100SP**	$	*1,419.50*
IFM	Modbus interface	**LV434000**	$	*424.50*
IFE	Ethernet interface for LV breaker	**LV434001**	$	*901.50*
	Ethernet interface for LV breakers and gateway	**LV434002**	$	*1,366.00*
I/O application module		**LV434063**	$	*895.00*
Microswitches for MTZ1		**LV847906SP**	$	*895.00*

Accessories

External sensors

External sensor for earth-fault protection (TCE) / 1 part

DB421429



				Price (S$)
Sensor rating	400/1600 A	**LV833576SP**	$	*1,701.50*

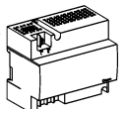
Source ground return (SGR) earth-fault protection / 1 part

DB421430

			Price (S$)
External sensor (SGR)	**LV833579SP**	$	*1,589.00*
MDGF summing module	**LV848891SP**	$	*1,995.00*

External power supply module (AD) / 1 part

DB421409



			Price (S$)
24-30 V DC	**LV454440**	$	*901.00*
48-60 V DC	**LV454441**	$	*901.00*
100-125 V DC	**LV454442**	$	*901.00*
110-130 V AC	**LV454443**	$	*625.00*
200-240 V AC	**LV454444**	$	*505.00*

Mobile Powerpack for Micrologic X (by APC) / 1 part

DB421410

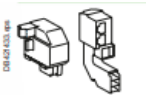
			Price (S$)
Mobile Powerpack for Micrologic Active A/E (by APC) / 1 part	**LV850055SP**	$	*290.00*

Communication, monitoring and control

unit price (excl. GST in Singapore Dollars)

ULP Port Modules

DB421434



			Price (S$)
ULP Port - for MasterPact MTZ1 - fixed	**LV850063SP**	$	875.00
ULP Port - for MasterPact MTZ1 - drawout	**LV850064SP**	$	352.00

Monitoring and control

Ethernet display module

DB417489

			Price (S$)
Switchboard front display module FDM128	**TRV00121**	$	584.00
Switchboard front display module FDM121	**LV434128**	$	1,673.50

ULP wiring accessories [1]

DB127985

			Price (S$)
Breaker ULP cord L = 0.35 m	**LV434195**	$	16.50
Breaker ULP cord L = 1.3 m	**LV434196**	$	25.50
Breaker ULP cord L = 3 m	**LV434197**	$	48.00
Breaker ULP cord L = 5 m	**LV434198**	$	209.00

DB

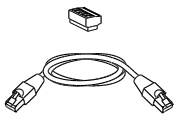
Connector Modbus adaptor	**LV434211**	$	201.00

DB111444

5 RJ45 connectors female/female	**TRV00870**	$	126.00

10 ULP line terminators	**TRV00880**	$	56.50

DB421435



10 RJ45/RJ45 male cord L = 0.3 m	**TRV00803**	$	103.00
10 RJ45/RJ45 male cord L = 0.6 m	**TRV00806**	$	143.50
5 RJ45/RJ45 male cord L = 1 m	**TRV00810**	$	94.00
5 RJ45/RJ45 male cord L = 2 m	**TRV00820**	$	155.00
5 RJ45/RJ45 male cord L = 3 m	**TRV00830**	$	199.00
1 RJ45/RJ45 male cord L = 5 m	**TRV00850**	$	61.00

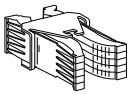
[1] For measurement display with Micrologic Active A/E.

Clusters
NT chassis retrofit to MTZ1

unit price (excl. GST in Singapore Dollars)

Clusters

DB403280



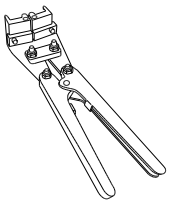
X 6

			Price (S$)
Kit of 6 disconnecting contact clusters for chassis (see table below)	**LV864906SP**	*$*	*298.00*

Table : number of clusters required for the different chassis models

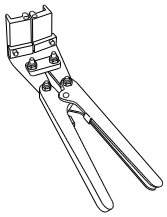
Chassis rating (A)	MasterPact MTZ1	
	3P	4P
630	**12**	**18**
800	**12**	**18**
1000	**12**	**18**
1250	**12**	**18**
1600	**18**	**24**

DB417990



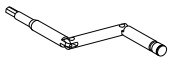
Set of 2 clusters fitters for 2 and 3 clusters	**47554**	*$*	*21,219.00*

DB418007



Racking handle / 1 part

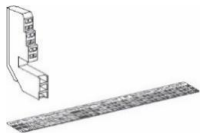
DB403281



			Price (S$)
Racking handle	**LV847098SP**	*$*	*109.50*

NT chassis retrofit to MTZ1

DB431651



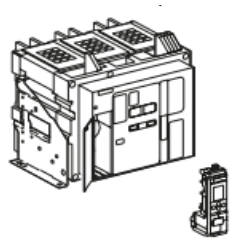
			Price (S$)
Kit for retrofitting an NT chassis for MTZ1 with Micrologic Active moving part	**LV850066SP**	*$*	*176.00*

For more information: retrofit kit instruction sheet (QGH31933)

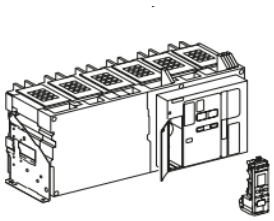
Fixed Circuit Breakers

unit price (excl. GST in Singapore Dollars)

A MasterPact MTZ2/3 Active fixed circuit breaker is described by minimum below catalogue numbers corresponding to:
> the basic circuit breaker
> a control unit
> a top connection
> a bottom connection.
> a sensor plug
> a UC3 terminal block for 3P breakers
A communication option and various auxiliaries and accessories may also be added.
Refer to product selector as final configuration



DB404363



Basic circuit breaker

Type N1

	In (A at 40 °C)	Icu (kA @ 220/440 V) - Ics = 100 % Icu	3P		Price (S$)	4P		Price (S$)
MTZ2 08	800	42	**LV948000**	$	*3,588.50*	**LV948007**	$	*4,754.00*
MTZ2 10	1000	42	**LV948014**	$	*3,615.00*	**LV948021**	$	*5,297.00*
MTZ2 12	1250	42	**LV948028**	$	*4,303.50*	**LV948035**	$	*5,853.00*
MTZ2 16	1600	42	**LV948042**	$	*4,806.50*	**LV948049**	$	*6,515.50*
MTZ2 20	2000	42	**LV948056**	$	*5,351.00*	**LV948063**	$	*8,674.00*

Type H1

	In (A at 40 °C)	Icu (kA @ 220/440 V) - Ics = 100 % Icu	3P		Price (S$)	4P		Price (S$)
MTZ2 08	800	66	**LV948001**	$	*3,643.00*	**LV948008**	$	*5,259.50*
MTZ2 10	1000	66	**LV948015**	$	*4,187.00*	**LV948022**	$	*5,682.50*
MTZ2 12	1250	66	**LV948029**	$	*4,700.00*	**LV948036**	$	*6,715.00*
MTZ2 16	1600	66	**LV948043**	$	*5,227.50*	**LV948050**	$	*7,417.50*
MTZ2 20	2000	66	**LV948057**	$	*5,458.00*	**LV948064**	$	*8,847.50*
MTZ2 25	2500	66	**LV948070**	$	*7,929.00*	**LV948076**	$	*10,577.50*
MTZ2 32	3200	66	**LV948082**	$	*9,695.50*	**LV948087**	$	*12,836.50*
MTZ2 40	4000	66	**LV948092**	$	*14,667.50*	**LV948097**	$	*19,166.00*
MTZ3 40	4000	100	**LV948106**	$	*21,537.50*	**LV948109**	$	*27,877.00*
MTZ3 50	5000	100	**LV948112**	$	*35,962.50*	**LV948115**	$	*46,345.00*
MTZ3 63	6300	100	**LV948118**	$	*45,181.00*	**LV948121**	$	*58,411.50*

Type H2

	In (A at 40 °C)	Icu (kA @ 220/440 V) - Ics = 100 % Icu	3P		Price (S$)	4P		Price (S$)
MTZ2 08	800	100	**LV948002**	$	*4,552.50*	**LV948009**	$	*6,646.00*
MTZ2 10	1000	100	**LV948016**	$	*5,268.00*	**LV948023**	$	*7,145.50*
MTZ2 12	1250	100	**LV948030**	$	*6,213.00*	**LV948037**	$	*8,361.00*
MTZ2 16	1600	100	**LV948044**	$	*6,901.50*	**LV948051**	$	*9,197.50*
MTZ2 20	2000	100	**LV948058**	$	*6,942.50*	**LV948065**	$	*10,700.00*
MTZ2 25	2500	100	**LV948071**	$	*9,431.00*	**LV948077**	$	*12,500.00*
MTZ2 32	3200	100	**LV948083**	$	*11,735.00*	**LV948088**	$	*15,397.00*
MTZ2 40	4000	100	**LV948093**	$	*17,768.50*	**LV948098**	$	*23,052.00*
MTZ3 40	4000	150	**LV948107**	$	*25,776.00*	**LV948110**	$	*33,305.00*
MTZ3 50	5000	150	**LV948113**	$	*42,745.00*	**LV948116**	$	*55,290.50*
MTZ3 63	6300	150	**LV948119**	$	*53,663.00*	**LV948122**	$	*69,324.00*

Micrologic Active A control unit/No Wireless

		3P/4P		Price (S$)
Micrologic Active 2.0 A	basic protection - LI	**LV947282**	$	*1,340.50*
Micrologic Active 5.0 A	selective protection - LSI	**LV947285**	$	*1,930.00*
Micrologic Active 6.0 A	selective + earth-fault protection - LSIG	**LV947286**	$	*2,744.50*

Micrologic Active E control unit/No Wireless

		3P/4P		Price (S$)
Micrologic Active 2.0 E	basic protection -LI	**LV947280**	$	*1,353.50*
Micrologic Active 5.0 E	selective protection - LSI	**LV947283**	$	*1,949.00*
Micrologic Active 6.0 E	selective + earth-fault protection -LSIG	**LV947288**	$	*2,744.50*

Fixed Circuit Breakers
Connections

unit price (excl. GST in Singapore Dollars)

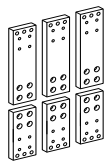
Unit price (excl. GST) in Singapore Dollars

Communication option

				Price (S$)
ULP Port		**LV850061**	$	*212.00*
IFE	Ethernet interface for LV breaker	**LV434001**	$	*901.50*
	Ethernet interface for LV breakers and gateaway	**LV434002**	$	*1,366.00*
IFM	Modbus interface	**LV434000**	$	*424.50*
I/O application module		**LV434063**	$	*895.00*

Front connection

DB404364



		3P		Price (S$)	4P		Price (S$)
800-1600 A	Top	**LV848128**	$	*504.50*	**LV848153**	$	*662.50*
	Bottom	**LV848130**	$	*504.50*	**LV848155**	$	*662.50*
2000 A	Top	**LV848124**	$	*504.50*	**LV848126**	$	*662.50*
	Bottom	**LV848125**	$	*504.50*	**LV848127**	$	*662.50*
2500/3200 A	Top	**LV848129**	$	*851.00*	**LV848154**	$	*1,134.00*
	Bottom	**LV848131**	$	*851.00*	**LV848156**	$	*1,134.00*

Interphase barriers

DB404365

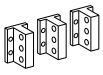
Disconnectable front connection

	3P		Price (S$)	4P		Price (S$)
1600 A	**LV848421SP**	$	*798.00*	**LV848424SP**	$	*1,044.00*
2000/3200 A	**LV848422SP**	$	*952.50*	**LV848425SP**	$	*1,244.00*

Rear connection

Vertical connection

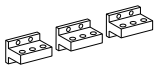
DB404366



		3P		Price (S$)	4P		Price (S$)
800-2000 A	Top	**LV848133**	$	*272.00*	**LV848158**	$	*362.50*
800-1600 A type L1	Bottom	**LV848138**	$	*272.00*	**LV848163**	$	*362.50*
2500/3200 A	Top	**LV848134**	$	*277.00*	**LV848159**	$	*367.00*
2000 A types H3/L1	Bottom	**LV848139**	$	*277.00*	**LV848164**	$	*367.00*
4000 A	Top	**LV848135**	$	*636.00*	**LV848160**	$	*827.50*
	Bottom	**LV848140**	$	*636.00*	**LV848165**	$	*827.50*
4000b/5000 A	Top	**LV848136**	$	*668.00*	**LV848161**	$	*881.50*
	Bottom	**LV848141**	$	*668.00*	**LV848166**	$	*824.00*
6300 A	Top	**LV848137**	$	*881.50*	**LV848162**	$	*1,193.50*
	Bottom	**LV848142**	$	*881.50*	**LV848167**	$	*1,193.50*

Horizontal connection

DB404367



		3P		Price (S$)	4P		Price (S$)
800-2000 A	Top	**LV848143**	$	*269.00*	**LV848168**	$	*362.50*
800-1600 A type L1	Bottom	**LV848148**	$	*269.00*	**LV848173**	$	*362.50*
2500/3200 A	Top	**LV848144**	$	*269.00*	**LV848169**	$	*362.50*
2000 A types H3/L1	Bottom	**LV848149**	$	*269.00*	**LV848174**	$	*362.50*
4000 A	Top	**LV848145**	$	*629.50*	**LV848170**	$	*827.50*
	Bottom	**LV848150**	$	*629.50*	**LV848175**	$	*827.50*
4000b/5000 A	Top	**LV848146**	$	*662.50*	**LV848171**	$	*890.00*
	Bottom	**LV848151**	$	*662.50*	**LV848176**	$	*890.00*

Rear connection accessories

Interphase barriers(*)

DB404368

			Price (S$)
3P/4P (3 parts)	**LV848599SP**	$	*431.00*

(*) The same kit covers the top and the bottom connections at the same time.

Brackets for mounting on a backplate

DB404369

			Price (S$)
2 parts	**LV847829**	$	*134.00*

Grounding kit

			Price (S$)
Grounding kit for MasterPact MTZ2/MTZ3 fixed	**LV848558**	$	*144.50*

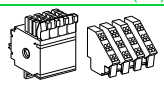
Fixed Circuit Breakers
Indication contacts & Remote operation

unit price (excl. GST in Singapore Dollars)

Unit price (excl. GST) in Singapore Dollars

ON/OFF indication contacts (OF)

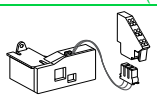
DB404314



Block of 4 changeover contacts (6 A - 240 V)	1 block (standard)		**Price (S$)**
1 additional block of 4 contacts (2 max.)	**LV848198**	*$*	*370.00*

"Fault trip" indication contacts (SDE)

DB404315



M2C

Changeover contact (6 A - 240 V)	1 (standard)		**Price (S$)**
1 additional SDE (6 A - 240 V)	**LV848200**	*$*	*126.00*
1 additional low-level SDE	**LV848201**	*$*	*126.00*

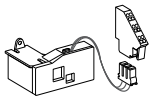
"Ready to close" contact (1 max.)

DB404316

	PF		**Price (S$)**
1 changeover contact (5 A - 240 V)	**LV847342**	*$*	*201.00*
1 low-level changeover contact	**LV847343**	*$*	*201.00*

Remote reset after fault trip

DB404315



Electrical reset	**RES**		**Price (S$)**
100/130 V AC	**LV848202**	*$*	*395.00*
200/240 V AC	**LV848203**	*$*	*395.00*
Automatic reset	**RAR**		
Adaptation	**LV847346**	*$*	*58.00*

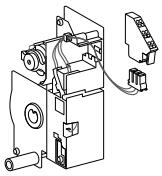
Fixed Circuit Breakers
Remote operation

unit price (excl. GST in Singapore Dollars)

Remote ON/OFF

Gear motor

DB404316



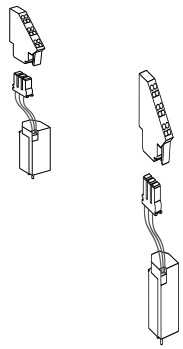
		MCH		Price (S$)
AC 50/60 Hz	48 V	LV848207	$	1,996.00
	100/130 V	LV848211	$	1,996.00
	200/240 V	LV848212	$	1,996.00
	250/277 V	LV848213	$	1,996.00
	380/415 V	LV848214	$	1,996.00
	440/480 V	LV848215	$	1,996.00
DC	24/30 V	LV848206	$	1,996.00
	48/60 V	LV848207	$	1,996.00
	100/130 V	LV848208	$	1,996.00
	200/250 V	LV848209	$	1,996.00

Instantaneous voltage releases

DB404317

DB404318

DB404319



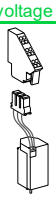
		Closing release			Opening release	
Standard		**XF**		**Price (S$)**	**MX**	**Price (S$)**
AC 50/60 Hz	24/30 V DC, 24 V AC	LV847350	$	275.50	LV847360	$ 275.50
DC	48/60 V DC, 48 V AC	LV847351	$	275.50	LV847361	$ 275.50
	100/130 V AC/DC	LV847352	$	275.50	LV847362	$ 275.50
	200/250 V AC/DC	LV847353	$	275.50	LV847363	$ 275.50
	277 V AC	LV847354	$	275.50	LV847364	$ 275.50
	380/480 V AC	LV847355	$	275.50	LV847365	$ 275.50

		Opening release		
Standard		**MN**		**Price (S$)**
AC 50/60 Hz	24/30 V DC, 24 V AC	LV847380	$	275.50
DC	48/60 V DC, 48 V AC	LV847381	$	275.50
	100/130 V AC/DC	LV847382	$	275.50
	200/250 V AC/DC	LV847383	$	275.50
	380/480 V AC	LV847385	$	275.50

Remote tripping

Instantaneous voltage release

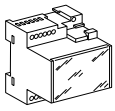
DB1404317



		2nd MX (*)		Price (S$)
AC 50/60 Hz	24/30 V DC, 24 V AC	LV847370	$	275.50
DC	48/60 V DC, 48 V AC	LV847371	$	275.50
	100/130 V AC/DC	LV847372	$	275.50
	200/250 V AC/DC	LV847373	$	275.50
	277 V AC	LV847374	$	275.50
	380/480 V AC	LV847375	$	275.50

MN delay unit

DB404320



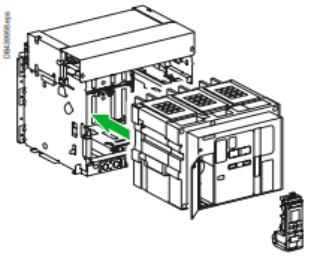
		R (non-adjustable)			Rr (adjustable)		
AC 50/60 Hz	48/60 V AC/DC				LV833680SP	$	649.00
DC	100/130 V AC/DC	LV833684SP	$	507.50	LV833681SP	$	649.00
	200/250 V AC/DC	LV833685SP	$	507.50	LV833682SP	$	649.00
	380/480 V AC/DC				LV833683SP	$	649.00

Drawout Circuit Breakers
Circuit breakers

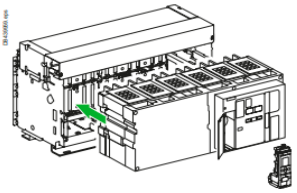
unit price (excl. GST in Singapore Dollars)

A MasterPact MTZ2/3 Active drawout circuit breaker is described by minimum below catalogue numbers corresponding to:
> the basic circuit breaker
> a control unit
> a chassis
> a top connection
> a bottom connection
> a sensor plug
> a 6 wire terminal block
> a UC3 terminal block for 3P breakers

A communication option and various auxiliaries and accessories may also be added.
Refer to product selector as final configuration



Basic circuit breaker + chassis < 4000A



Basic circuit breaker + chassis > 4000A

Basic circuit breaker

Type N1

	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100% Icu	3P		Price (S$)	4P		Price (S$)
MTZ2 08	800	42	**LV948230**	$	*3,389.50*	**LV948237**	$	*4,806.50*
MTZ2 10	1000	42	**LV948244**	$	*3,853.50*	**LV948251**	$	*5,402.50*
MTZ2 12	1250	42	**LV948258**	$	*4,396.50*	**LV948265**	$	*6,091.00*
MTZ2 16	1600	42	**LV948272**	$	*4,516.50*	**LV948279**	$	*7,111.50*
MTZ2 20	2000	42	**LV948286**	$	*5,813.50*	**LV948293**	$	*6,977.00*

Type H1

	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100% Icu	3P		Price (S$)	4P		Price (S$)
MTZ2 08	800	66	**LV948231**	$	*3,661.50*	**LV948238**	$	*4,849.00*
MTZ2 10	1000	66	**LV948245**	$	*4,161.00*	**LV948252**	$	*5,483.00*
MTZ2 12	1250	66	**LV948259**	$	*4,754.50*	**LV948266**	$	*6,200.50*
MTZ2 16	1600	66	**LV948273**	$	*5,430.00*	**LV948280**	$	*6,982.50*
MTZ2 20	2000	66	**LV948287**	$	*5,930.00*	**LV948294**	$	*7,116.50*
MTZ2 25	2500	66	**LV948300**	$	*8,428.50*	**LV948306**	$	*11,199.50*
MTZ2 32	3200	66	**LV948312**	$	*9,293.50*	**LV948317**	$	*12,230.00*
MTZ2 40	4000	66	**LV948322**	$	*14,749.00*	**LV948327**	$	*19,466.50*
MTZ3 40	4000	66	**LV948336**	$	*22,320.00*	**LV948339**	$	*29,180.00*
MTZ3 50	5000	66	**LV948342**	$	*40,561.50*	**LV948345**	$	*52,020.00*
MTZ3 63	6300	66	**LV948348**	$	*52,174.50*	**LV948351**	$	*66,723.50*

Type H2

	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100% Icu	3P		Price (S$)	4P		Price (S$)
MTZ2 08	800	100	**LV948232**	$	*4,754.50*	**LV948239**	$	*6,322.00*
MTZ2 10	1000	100	**LV948246**	$	*5,389.50*	**LV948253**	$	*7,105.50*
MTZ2 12	1250	100	**LV948260**	$	*6,120.00*	**LV948267**	$	*8,036.00*
MTZ2 16	1600	100	**LV948274**	$	*6,996.00*	**LV948281**	$	*9,023.50*
MTZ2 20	2000	100	**LV948288**	$	*7,986.50*	**LV948295**	$	*10,104.00*
MTZ2 25	2500	100	**LV948301**	$	*9,859.50*	**LV948307**	$	*13,025.50*
MTZ2 32	3200	100	**LV948313**	$	*11,791.00*	**LV948318**	$	*15,565.00*
MTZ2 40	4000	100	**LV948323**	$	*18,773.00*	**LV948328**	$	*24,531.00*
MTZ3 40	4000	150	**LV948337**	$	*27,990.50*	**LV948340**	$	*36,797.00*
MTZ3 50	5000	150	**LV948343**	$	*49,131.00*	**LV948346**	$	*63,484.00*
MTZ3 63	6300	150	**LV948349**	$	*62,861.00*	**LV948352**	$	*81,056.00*

Option

Neutral on the right	[1]

[1] Select a 4P basic circuit breaker with neutral on the right.
All other catalogue numbers are unchanged.

unit price (excl. GST in Singapore Dollars)

Micrologic Active A control unit/No Wireless

		3P/4P		Price (S$)
Micrologic Active 2.0 A	basic protection - LI	**LV948358**	$	*1,340.50*
Micrologic Active 5.0 A	selective protection - LSI	**LV948360**	$	*1,930.00*
Micrologic Active 6.0 A	selective + earth-fault protection - LSIG	**LV948361**	$	*2,744.50*

Micrologic Active E control unit/No Wireless

		3P/4P		Price (S$)
Micrologic Active 2.0 E	basic protection - LI	**LV948498**	$	*1,353.50*
Micrologic Active 5.0 E	selective protection - LSI	**LV948499**	$	*1,949.00*
Micrologic Active 6.0 E	selective + earth-fault protection - LSIG	**LV948500**	$	*2,744.50*

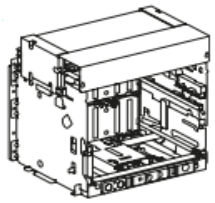
Grounding kit

			Price (S$)
Grounding kit for MasterPact MTZ2/MTZ3 drawout	**LV848559**	$	*99.00*

Drawout Circuit Breakers
Chassis and terminal blocks

unit price (excl. GST in Singapore Dollars)

DB404372



Chassis

	3P	Price (S$)	4P	Price (S$)
For type N1/H1				
800-1600 A	**LV848392**	$ 2,289.50	**LV848404**	$ 2,829.00
For type H2				
800-1600 A	**LV848393**	$ 2,639.00	**LV848405**	$ 3,385.50
For type N1/H1/H2/H2V				
2000 A	**LV848393**	$ 2,639.00	**LV848405**	$ 3,385.50
2500 A	**LV848394**	$ 2,615.00	**LV848406**	$ 3,385.50
3200 A	**LV848395**	$ 3,606.00	**LV848407**	$ 4,676.50
4000 A	**LV848396**	$ 4,482.00	**LV848408**	$ 5,541.50
For type H1/H2				
4000/6300 A	**LV848397**	$ 5,913.00	**LV848409**	$ 7,069.50
For type H3				
2000/2500 A	**LV848394**	$ 2,615.00	**LV848406**	$ 3,385.50
3200 A	**LV848395**	$ 3,606.00	**LV848407**	$ 4,676.50
4000 A	**LV848396**	$ 4,482.00	**LV848408**	$ 5,541.50

Chassis terminal blocks

Standard Terminal Blocks

Each chassis comes equipped in standard with the terminal blocks corresponding to the customer functions below
- the basic device : OF1, OF2, OF3, OF4, SDE1
- the MicroLogic control unit : COM, UC1, UC2
- the 5 most common accessories : MN/MX2, MX1, XF, PF, MCH.

Additional Terminal Blocks

If the device is equipped with one or a combination of the following 5 additional accessories:
- SDE2/RES
- PTE
- 1st additionnal 4 OF block
- 2nd additionnal 4 OF block

all the necessary chassis terminal blocks are coded by one of the part numbers below :

		Price (S$)
Chassis terminal blocks for 8 OF contacts	**LV839471**	$ 201.00
Chassis terminal blocks for 4 OF contacts	**LV839472**	$ 80.00
Chassis terminal block for PTE	**LV839473**	$ 25.50
Chassis terminal blocks for PTE + 8 OF contacts	**LV839474**	$ 226.00
Chassis terminal blocks for PTE + 4 OF contacts	**LV839475**	$ 125.00
Chassis terminal block for SDE2/RES	**LV839476**	$ 21.50
Chassis terminal blocks for SDE2/RES + 8 OF contacts	**LV839477**	$ 226.00
Chassis terminal blocks for SDE2/RES + 4 OF contacts	**LV839478**	$ 125.00
Chassis terminal blocks for PTE + SDE2/RES	**LV839479**	$ 50.00
Chassis terminal blocks for PTE + SDE2/RES + 8 OF contacts	**LV839480**	$ 251.00
Chassis terminal blocks for PTE + SDE2/RES + 4 OF contacts	**LV839481**	$ 150.50

Ethernet communication option for Micrologic Active

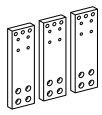
ULP port		Chassis + standard	
EIFE	Embedded Ethernet interface for LV breaker	**LV851200**	$ 928.00
IFM	Modbus interface	**LV434000**	$ 424.50
IFE	Ethernet interface for LV breaker	**LV434001**	$ 901.50
	Ethernet interface for LV breaker and gateway	**LV434002**	$ 1,366.00
I/O application module		**LV434063**	$ 895.00

Drawout Circuit Breakers
Connections, Chassis locking and accessories

unit price (excl. GST in Singapore Dollars)

Chassis front connection

DB404373

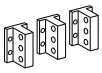


		3P	Price (S$)	4P	Price (S$)
800-1600 A	Top	**LV848415**	$ 498.50	**LV848441**	$ 656.00
	Bottom	**LV848418**	$ 498.50	**LV848444**	$ 656.00
2000 A	Top	**LV848413**	$ 506.50	**LV848417**	$ 664.00
	Bottom	**LV848414**	$ 506.50	**LV848420**	$ 664.00
2500/3200 A	Top	**LV848416**	$ 799.00	**LV848442**	$ 1,047.50
	Bottom	**LV848419**	$ 732.00	**LV848445**	$ 960.50

Chassis rear connection

Vertical connection

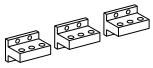
DB404366



		3P	Price (S$)	4P	Price (S$)
800-2000 A 800-1600 A type L1	Top Bottom	**LV848133** **LV848138**	$ 272.00 $ 272.00	**LV848158** **LV848163**	$ 362.50 $ 362.50
2500/3200 A 2000 A types H3/L1	Top Bottom	**LV848134** **LV848139**	$ 277.00 $ 277.00	**LV848159** **LV848164**	$ 367.00 $ 367.00
4000 A	Top	**LV848135**	$ 636.00	**LV848160**	$ 827.50
	Bottom	**LV848140**	$ 636.00	**LV848165**	$ 827.50
4000/5000 A (MTZ3)	Top	**LV848136**	$ 668.00	**LV848161**	$ 881.50
	Bottom	**LV848141**	$ 668.00	**LV848166**	$ 824.00
6300 A (MTZ3)	Top	**LV848137**	$ 881.50	**LV848162**	$ 1,193.50
	Bottom	**LV848142**	$ 881.50	**LV848167**	$ 1,193.50

Horizontal connection

DB404367



		3P	Price (S$)	4P	Price (S$)
250/800-2000 A 800-1600 A type L1	Top Bottom	**LV848143** **LV848148**	$ 269.00 $ 269.00	**LV848168** **LV848173**	$ 362.50 $ 362.50
2500/3200 A 2000 A types H3/L1	Top Bottom	**LV848144** **LV848149**	$ 269.00 $ 269.00	**LV848169** **LV848174**	$ 362.50 $ 362.50
4000 A	Top	**LV848145**	$ 629.50	**LV848170**	$ 827.50
	Bottom	**LV848150**	$ 629.50	**LV848175**	$ 827.50
4000b/5000 A	Top	**LV848146**	$ 662.50	**LV848171**	$ 890.00
	Bottom	**LV848151**	$ 662.50	**LV848176**	$ 890.00

Rear connection accessories

DB404368

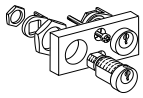
Interphase barriers(*)			
			Price (S$)
3P/4P (3 parts)	**LV848600SP**	$	321.00

(*) The same kit covers the top and the bottom connections at the same time.

Chassis locking

"Disconnected" position locking

DB404325



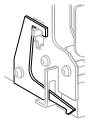
	VCPO	Standard		
By Profalux keylocks				
Profalux	1 lock with 1 key + adaptation kit	**LV848568**	$ 249.50	
	2 locks 1 key + adaptation kit	**LV848569**	$ 532.00	
	2 locks 2 different keys + adaptation kit	**LV848570**	$ 532.00	
By Ronis keylocks				
Ronis	1 lock with 1 key + adaptation kit	**LV848572**	$ 348.00	
	2 locks 1 key + adaptation kit	**LV848573**	$ 487.50	
	2 locks 2 different keys + adaptation kit	**LV848574**	$ 487.50	
Optional disconnected/test/connected position locking		**LV833779**	$ 288.00	
Adaptation kit (without keylock):	adaptation kit Profalux / Ronis	**LV848564SP**	$ 36.00	
	adaptation kit Kirk	**LV848565SP**	$ 708.50	
	adaptation kit Castell	**LV848566SP**	$ 1,174.50	

Drawout Circuit Breakers
Chassis locking and accessories

unit price (excl. GST in Singapore Dollars)

Door interlock (1 part)

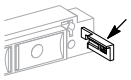
DB404326



			Price (S$)
Right-hand side of chassis	**LV848579**	$	*210.50*
Left-hand side of chassis	**LV848580**	$	*210.50*

Racking interlock

DB404327



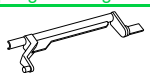
			Price (S$)
1 part	**LV848582**	$	*148.50*

Racking interlock between crank and OFF pushbutton

			Price (S$)
1 part	**LV848585**	$	*495.00*

Automatic spring discharge before breaker removal

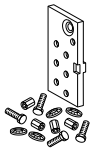
DB404328



			Price (S$)
1 part	**LV848554**	$	*495.00*

Breaker mismatch protection

DB404329

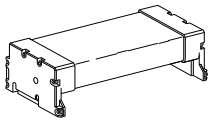


			Price (S$)
Breaker mismatch protection VDC	**LV833767SP**	$	*263.00*

Chassis accessories

Arc chute cover

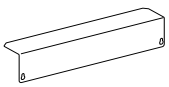
DB404330



3P/4P	Standard

Auxiliary terminal shield (CB)

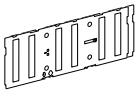
DB404331



				Price (S$)
800/4000 A	3P	**LV848595**	$	*156.00*
	4P	**LV848596**	$	*209.50*
4000/6300 A	3P	**LV848597**	$	*261.50*
	4P	**LV848598**	$	*309.00*

Safety shutters + locking block

DB404332



		Price (S$)
800/4000 A	3P	**Standard**
	4P	**Standard**
4000/6300 A	3P	**Standard**
	4P	**Standard**

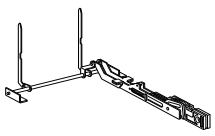
Shutter locking block (for replacement)

DB404333

		Price (S$)
2 parts for 800/4000 A	**LV848591SP**	$ *86.00*

Front face shutter position indication and locking

DB404374



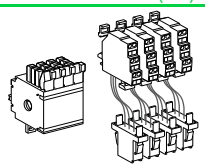
				Price (S$)
800/4000 A	3P/4P	**LV848592**	$	*2,039.50*
4000/6300 A	3P	**LV848593**	$	*3,712.00*
	4P	**LV848594**	$	*4,658.50*

Drawout Circuit Breakers
Indication contacts & Remote Operation

unit price (excl. GST in Singapore Dollars)

ON/OFF indication contacts (OF)

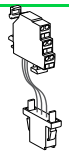
DB404321



			Price (S$)
Block of 4 changeover contacts (6 A - 240 V)	1 block (standard)		
1 additional block of 4 contacts (2 max.)	**LV848468**	*$*	*369.00*

Combined closed / connected contacts for use with 1 auxiliary contact

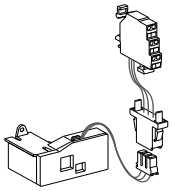
DB404322



			Price (S$)
1 contact (5 A - 240 V) (8 max.)	**LV848477**	*$*	*142.00*
or 1 low-level contact (8 max.)	**LV848478**	*$*	*126.00*

"Fault trip" indication contacts (SDE)

DB404323



			Price (S$)
Changeover contact (6 A - 240 V)	1 (standard)		
1 additional SDE (6 A - 240 V)	**LV848475**	*$*	*126.00*
or 1 additional low-level SDE	**LV848476**	*$*	*126.00*

Carriage switches (connected / disconnected / test position)

DB404324

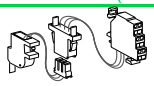
			Price (S$)
Changeover contacts (8 A - 240 V)			
1 connected position contact (3 max.)	**LV833751**	*$*	*80.50*
1 test position contact (3 max.)	**LV833752**	*$*	*75.00*
1 disconnected position contact (3 max.)	**LV833753**	*$*	*80.50*
and/or low-level changeover contacts			
1 connected position contact (3 max.)	**LV833754**	*$*	*96.50*
1 test position contact (3 max.)	**LV833755**	*$*	*90.00*
1 disconnected position contact (3 max.)	**LV833756**	*$*	*90.00*
Actuator for additional carriage switches	**LV848560**	*$*	*108.50*

Auxiliary terminals for chassis alone

			Price (S$)
3 wire terminal (30 parts)	**LV847898SP**	*$*	*574.00*
6 wire terminal (10 parts)	**LV847899SP**	*$*	*513.50*
Jumpers (10 parts)	**LV847900SP**	*$*	*34.50*

"Ready to close" contact (1 max.)

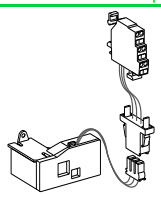
DB404379



	PF		Price (S$)
1 changeover contact (5 A - 240 V)	**LV848469**	*$*	*197.50*
1 low-level changeover contact	**LV848470**	*$*	*201.00*

Remote reset after fault trip

DB404323



Electrical reset	**RES**		Price (S$)
100/130 V AC	**LV848472**	*$*	*387.00*
200/240 V AC	**LV848473**	*$*	*387.00*
Automatic reset	**RAR**		
Adaptation	**LV847346**	*$*	*58.00*

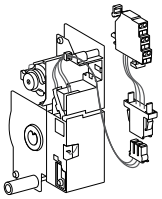
Drawout Circuit Breakers
Remote Operation

unit price (excl. GST in Singapore Dollars)

Remote ON/OFF

Gear motor

DB404377

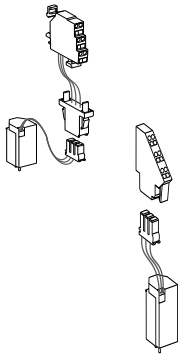


		MCH		Price (S$)
AC 50/60 Hz	48 V	**LV848522**	$	*1,996.00*
	100/130 V	**LV848526**	$	*1,996.00*
	200/240 V	**LV848527**	$	*1,996.00*
	250/277 V	**LV848528**	$	*1,996.00*
	380/415 V	**LV848529**	$	*1,996.00*
	440/480 V	**LV848530**	$	*1,996.00*
DC	24/30 V	**LV848521**	$	*1,996.00*
	48/60 V	**LV848522**	$	*1,996.00*
	100/130 V	**LV848523**	$	*1,996.00*
	200/250 V	**LV848524**	$	*1,996.00*

Instantaneous voltage releases

DB404378

DB404318



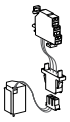
		Closing release			Opening release		
Standard		**XF**		**Price (S$)**	**MX**		**Price (S$)**
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV848481**	$	*276.50*	**LV848491**	$	*276.50*
DC	48/60 V DC, 48 V AC	**LV848482**	$	*276.50*	**LV848492**	$	*276.50*
	100/130 V AC/DC	**LV848483**	$	*276.50*	**LV848493**	$	*276.50*
	200/250 V AC/DC	**LV848484**	$	*276.50*	**LV848494**	$	*276.50*
	277 V AC	**LV848485**	$	*276.50*	**LV848495**	$	*276.50*
	380/480 V AC	**LV848486**	$	*276.50*	**LV848496**	$	*276.50*

		Opening release		
Standard		**MN**		**Price (S$)**
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV848501**	$	*275.50*
DC	48/60 V DC, 48 V AC	**LV848502**	$	*275.50*
	100/130 V AC/DC	**LV848503**	$	*275.50*
	200/250 V AC/DC	**LV848504**	$	*275.50*
	380/480 V AC	**LV848506**	$	*275.50*

Remote tripping

Instantaneous voltage release

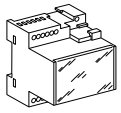
DB404378



		2nd MX (*)		Price (S$)
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV848511**	$	*275.50*
DC	48/60 V DC, 48 V AC	**LV848512**	$	*275.50*
	100/130 V AC/DC	**LV848513**	$	*275.50*
	200/250 V AC/DC	**LV848514**	$	*275.50*
	380/480 V AC	**LV848516**	$	*275.50*

MN delay unit

DB404320



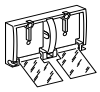
		R (non-adjustable)		Price (S$)	Rr (adjustable)		Price (S$)
AC 50/60 Hz	48/60 V AC/DC				**LV833680SP**	$	*649.00*
DC	100/130 V AC/DC	**LV833684SP**	$	*507.50*	**LV833681SP**	$	*649.00*
	200/250 V AC/DC	**LV833685SP**	$	*507.50*	**LV833682SP**	$	*649.00*
	380/480 V AC/DC				**LV833683SP**	$	*649.00*

unit price (excl. GST in Singapore Dollars)

Circuit breaker locking

Pushbutton locking device

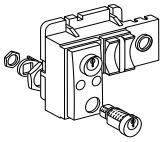
DB404337



		Price (S$)
By padlocks	**LV848536**	$ 99.00

OFF position locking

DB404338



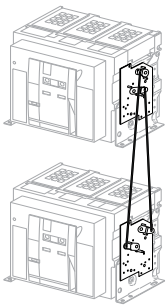
			Price (S$)
By padlocks			
	VCPO	**LV848539**	$ 62.50
By Profalux keylocks			
Profalux	1 lock with 1 key + adaptation kit	**LV848545**	$ 414.50
	2 locks 1 key + adaptation kit	**LV848546**	$ 587.00
	2 locks 2 different keys + adaptation kit	**LV848547**	$ 587.00
By Ronis keylocks			
Ronis	1 lock with 1 key + adaptation kit	**LV848549**	$ 330.00
	2 locks 1 key + adaptation kit	**LV848550**	$ 554.50
	2 locks 2 different keys + adaptation kit	**LV848551**	$ 554.50
Adaptation kit	adaptation kit Profalux / Ronis	**LV848541SP**	$ 108.50
(without keylock):	adaptation kit Kirk	**LV848542SP**	$ 727.00
	adaptation kit Castell	**LV848543SP**	$ 930.50

Cable-type door interlock

		Price (S$)
1 complete assembly for MasterPact MTZ2/3 fixed or drawout device	**LV848614SP**	$ 2,202.00

Mechanical interlocking for source changeover

DB404380



Interlocking of 2 devices using connecting rods

Complete assembly with 2 adaptaions fixtures + rods		Price (S$)
1 set of 2 adaptation fixtures for MasterPact MTZ2 or MTZ3 fixed or drawout devices	**LV847930SP**	$ 971.00
1 set of 2 interlocking rods	**LV833210SP**	$ 394.50

Note: can be used with 1 MTZ2/3 fixed + 1 MTZ2/3 drawout

Interlocking of 2 devices using cables (*)

Choose 2 adaptation fixtures (1 for each device) + 1 set of cables		Price (S$)
1 adaptation fixture for MasterPact MTZ2/3 fixed devices	**LV847926SP**	$ 518.00
1 adaptation fixture for MasterPact MTZ2/3 drawout devices	**LV847926SP**	$ 518.00
1 set of 2 cables of 2.5 m	**LV833209SP**	$ 261.50

(*) Can be used with any combination of MTZ, fixed or drawout devices.

Interlocking of 3 devices using cables

Choose 1 interlocking kit (including 3 adaptation fixtures + cables)		Price (S$)
3 sources, only 1 device closed, fixed or drawout devices	**LV848610SP**	$ 3,005.00
2 sources + 1 coupling, fixed or drawout devices	**LV848609SP**	$ 2,908.00
2 normal + 1 replacement source, fixed or drawout devices	**LV848608SP**	$ 3,005.00

Other circuit breaker accessories

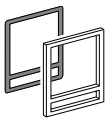
Mechanical operation counter

DB125617

		Price (S$)
Operation counter CDM	**LV848535**	$ 411.50

Escutcheon and accessories

DB404339

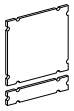


Escutcheon

DB404340

Cover

DB404341



Blanking plate

	Fixed	Price (S$)	Drawout	Price (S$)
Escutcheon	**LV848601SP**	$ 170.50	**LV848603SP**	$ 176.50
Transparent cover IP54			**LV848604SP**	$ 688.00
Escutcheon blanking plate	**LV848605SP**	$ 235.50	**LV848605SP**	$ 235.50

unit price (excl. GST in Singapore Dollars)

Accessories for Micrologic Active A/E control units

External sensors

External sensor for earth-fault protection (TCE)

DB404381

				Price (S$)
Sensor rating	400/2000 A	LV834035SP	$	1,458.00
	1000/4000 A	LV834036SP	$	1,461.00
	4000/6300 A (MTZ3)	LV848182SP	$	2,958.50
Single sensor kit	2000/6300 A	LV848904SP	$	11,340.00
3 layer bus	2000 A	LV848905SP	$	4,418.50

Source ground return (SGR) earth fault protection

DB404382

			Price (S$)
External sensor (SGR)	LV833579SP	$	1,589.00
MDGF summing module	LV848891SP	$	1,995.00

Voltage measurement input (for breakers supplied via bottom terminals)

DB125642

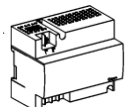
				Price (S$)
Voltage measurement input	Fixed only for Micrologic Active	LV947506	$	234.50
	Drawout only for Micrologic Active	LV948533	$	231.50

Zone Selective Interlocking option for Micrologic X

ZSI	Standard	

External power supply module (AD)

DB105360



			Price (S$)
24/30 V DC	LV454440	$	901.00
48/60 V DC	LV454441	$	901.00
100/125 V DC	LV454442	$	901.00
110/130 V AC	LV454443	$	625.00
200/240 V AC	LV454444	$	505.00

Restraint Interface Module (RIM)

DB4043

			Price (S$)
1 battery 24 V DC	LV848892SP	$	4,724.50

Test & Commisionning equipment

Insulation Box (Micrologic Active for NT NW retrofit)

DB404385

			Price (S$)
	LV910200SP	$	800.00

Mobile Powerpack for Micrologic Active (by APC)

DB404386

			Price (S$)
	LV850055SP	$	290.00

Sensor rating

To be specified when ordering

Rating	MTZ2 02	MTZ2 08	MTZ2 10	MTZ2 12	MTZ2 16	MTZ2 20
250	b					
400		b	b	b	b	b
630		b	b	b	b	b
800			b	b	b	b
1000				b	b	b
1250					b	b
1600						b
2000						
2500						
3200						
Rating	**MTZ2 25**	**MTZ2 32**	**MTZ2 40**	**MTZ3 40**	**MTZ3 50**	**MTZ3 63**
1250	b	b	b			
1600	b	b	b			
2000	b	b	b	b	b	b
2500		b	b	b	b	b
3200			b	b	b	b
4000					b	b
5000						b
6300						

With neutral on the right
Circuit breakers

unit price (excl. GST in Singapore Dollars)

A 4 pole MasterPact circuit breaker with neutral on the right is described by the same catalogue numbers as a standard 4 pole one, except for the basic circuit breaker, which is specific.

Fixed circuit breakers with neutral on the right

Type H1

	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu	4P		Price (S$)
MTZ2 08	800	66	**LV948183**	$	*5,259.50*
MTZ2 10	1000	66	**LV948184**	$	*5,682.50*
MTZ2 12	1250	66	**LV948185**	$	*6,715.00*
MTZ2 16	1600	66	**LV948186**	$	*7,417.50*
MTZ2 20	2000	66	**LV948060**	$	*8,847.50*
MTZ2 25	2500	66	**LV948073**	$	*10,266.50*
MTZ2 32	3200	66	**LV948187**	$	*12,836.50*
MTZ2 40	4000	66	**LV948193**	$	*19,166.00*
MTZ3 40	4000	100	**LV948194**	$	*27,877.00*
MTZ3 50	5000	100	**LV948195**	$	*46,345.00*
MTZ3 63	6300	100	**LV948196**	$	*58,411.50*

Type H2

	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu	4P		Price (S$)
MTZ2 08	800	100	**LV948177**	$	*6,452.00*
MTZ2 10	1000	100	**LV948178**	$	*6,937.50*
MTZ2 12	1250	100	**LV948179**	$	*8,117.00*
MTZ2 16	1600	100	**LV948180**	$	*8,929.50*
MTZ2 20	2000	100	**LV948067**	$	*10,700.00*
MTZ2 25	2500	100	**LV948079**	$	*12,500.00*
MTZ2 32	3200	100	**LV948181**	$	*15,397.00*
MTZ2 40	4000	100	**LV948102**	$	*23,052.00*
MTZ3 40	4000	150	**LV948103**	$	*33,305.00*
MTZ3 50	5000	150	**LV948104**	$	*55,290.50*
MTZ3 63	6300	150	**LV948105**	$	*69,324.00*

Drawout circuit breakers with neutral on the right

Type H1

	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu	4P		Price (S$)
MTZ2 08	800	66	**LV948226**	$	*4,708.50*
MTZ2 10	1000	66	**LV948227**	$	*5,324.00*
MTZ2 12	1250	66	**LV948228**	$	*6,019.50*
MTZ2 16	1600	66	**LV948229**	$	*6,982.50*
MTZ2 20	2000	66	**LV948436**	$	*7,116.50*
MTZ2 25	2500	66	**LV948303**	$	*10,873.00*
MTZ2 32	3200	66	**LV948437**	$	*11,867.50*
MTZ2 40	4000	66	**LV948332**	$	*19,466.50*
MTZ3 40	4000	100	**LV948333**	$	*29,180.00*
MTZ3 50	5000	100	**LV948334**	$	*52,020.00*
MTZ3 63	6300	100	**LV948335**	$	*66,723.50*

Type H2

	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu	4P		Price (S$)
MTZ2 08	800	100	**LV948426**	$	*6,138.50*
MTZ2 10	1000	100	**LV948427**	$	*6,899.00*
MTZ2 12	1250	100	**LV948428**	$	*7,802.00*
MTZ2 16	1600	100	**LV948429**	$	*8,760.50*
MTZ2 20	2000	100	**LV948438**	$	*9,809.50*
MTZ2 25	2500	100	**LV948309**	$	*12,648.00*
MTZ2 32	3200	100	**LV948439**	$	*15,116.50*
MTZ2 40	4000	100	**LV948354**	$	*24,531.00*
MTZ3 40	4000	150	**LV948355**	$	*36,797.00*
MTZ3 50	5000	150	**LV948356**	$	*63,484.00*
MTZ3 63	6300	150	**LV948357**	$	*81,056.00*

Connections

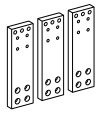
unit price (excl. GST in Singapore Dollars)

Connection

Fixed circuit breakers

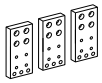
Front connection / Replacement kit (3 or 4 parts)

DB404373



		3P	Price (S$)	4P	Price (S$)
800-1600 A	Top	**LV847992SP**	$ 667.00	**LV847993SP**	$ 884.50
2000/3200 A	Top	**LV847992SP**	$ 667.00	**LV847993SP**	$ 884.50

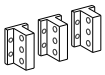
DB404408



		3P	Price (S$)	4P	Price (S$)
800-1600 A	Bottom	**LV847932SP**	$ 403.00	**LV847933SP**	$ 529.00
2000/3200 A	Bottom	**LV847942SP**	$ 534.00	**LV847943SP**	$ 701.00

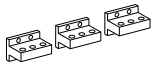
Rear connection (vertical or horizontal mounting) / Replacement kit (3 or 4 parts)

DB404366



Vertical mounting

DB404367



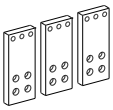
Horizontal mounting

			3P	Price (S$)	4P	Price (S$)
800-2000 A	Vertical		**LV847966SP**	$ 400.50	**LV847967SP**	$ 430.00
	Horizontal		**LV847966SP**	$ 400.50	**LV847967SP**	$ 430.00
2500/3200 A	Vertical		**LV847966SP**	$ 400.50	**LV847967SP**	$ 430.00
	Horizontal		**LV847966SP**	$ 400.50	**LV847967SP**	$ 430.00
4000 A	Vertical		**LV847968SP**	$ 623.50	**LV847969SP**	$ 867.00
	Horizontal		**LV847970SP**	$ 623.50	**LV847971SP**	$ 1,442.00
4000b/5000 A	Vertical	2 x	**LV847966SP**	$ 400.50	**LV847967SP**	$ 430.00
	Horizontal	2 x	**LV847966SP**	$ 400.50	**LV847967SP**	$ 430.00
6300 A	Vertical	2 x	**LV847968SP**	$ 623.50	**LV847969SP**	$ 867.00

Drawout circuit breakers

Front connection / Replacement kit (3 or 4 parts)

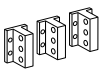
DB424427



		3P	Price (S$)	4P	Price (S$)
800-1600 A	Top or bottom	**LV847960SP**	$ 522.50	**LV847961SP**	$ 737.00
2000/3200 A	Top or bottom	**LV847962SP**	$ 748.00	**LV847963SP**	$ 964.00

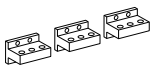
Rear connection (vertical or horizontal mounting) / Replacement kit (3 or 4 parts)

DB404366



Vertical mounting

DB404367



Horizontal mounting

			3P	Price (S$)	4P	Price (S$)
800-2000 A types N1/H1/H2	Vertical		**LV847966SP**	$ 400.50	**LV847967SP**	$ 430.00
800-1600 A types H3/L1	Horizontal		**LV847966SP**	$ 400.50	**LV847967SP**	$ 430.00
2500/3200 A types H1/H2	Vertical		**LV847966SP**	$ 400.50	**LV847967SP**	$ 430.00
2000/3200 A types H3/L1	Horizontal		**LV847966SP**	$ 400.50	**LV847967SP**	$ 430.00
4000 A	Vertical		**LV847968SP**	$ 623.50	**LV847969SP**	$ 867.00
	Horizontal		**LV847970SP**	$ 623.50	**LV847971SP**	$ 1,442.00
4000b/5000 A	Vertical	2 x	**LV847966SP**	$ 400.50	**LV847967SP**	$ 430.00
	Horizontal	2 x	**LV847966SP**	$ 400.50	**LV847967SP**	$ 430.00
6300 A	Vertical	2 x	**LV847968SP**	$ 623.50	**LV847969SP**	$ 867.00

Connection accessories

Disconnectable front-connection adapter for fixed circuit breaker (3 or 4 parts)

DB418156

	3P	Price (S$)	4P	Price (S$)
1600 A	**LV848421SP**	$ 798.00	**LV848424SP**	$ 1,044.00
2000/3200 A	**LV848422SP**	$ 952.50	**LV848425SP**	$ 1,244.00

Interphase barriers / Replacement kit (3 parts)

DB404368

	3P	Price (S$)	4P	Price (S$)
For fixed rear-connected circuit breaker	**LV848599SP**	$ 431.00	**LV848599SP**	$ 431.00
For drawout rear-connected circuit breaker	**LV848600SP**	$ 321.00	**LV848600SP**	$ 321.00

Additional support brackets for mounting on a backplate

DB404369

		Price (S$)
For fixed rear-connected circuit breaker (2 parts)	**LV847829SP**	$ 170.50

Grounding kit KTM

DB424667

			Price (S$)
Grounding kit for Masterpact MTZ2/3 fixed			
	Side plate kit	**LV848556SP**	$ 25.50
	Device earthing kit	**LV848557SP**	$ 53.50
Grounding kit for Masterpact MTZ2/3 drawout		**LV848557SP**	$ 53.50

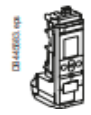
Micrologic Active A/E control unit, communication option, accessories

unit price (excl. GST in Singapore Dollars)

Replacement parts for Micrologic Active A/E control units

Micrologic Active

DB421423



			Price (S$)
Active 2.0E	**LV947600SP**	$	*1,547.00*
Active 6.0E	**LV947603SP**	$	*2,903.00*

Micrologic Active A/E Battery + Transparent cover

DB421424

			Price (S$)
Battery (1 part)	**LV933593SP**		*POA*
Transparent Cover (1 part)	**LV850053SP**	$	*30.50*

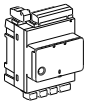
Communication option

DB421425

DB421426

				Price (S$)
EIFE	Embedded Ethernet interface for LV breaker	**LV851200SP**	$	*936.50*
IFM	Modbus interface	**LV434000**	$	*424.50*
IFE	Ethernet interface LV breaker	**LV434001**	$	*901.50*
	Ethernet interface for LV breakers and gateway	**LV434002**	$	*1,366.00*

DB421427



DB421428

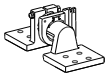
			Price (S$)
I/O application module	**LV434063**	$	*895.00*
Microswitches for MTZ2/3	**LV847905SP**	$	*166.00*

Accessories

External sensors

External sensor for earth-fault protection (TCE) / 1 part

DB421349



				Price (S$)
Sensor rating	400/2000 A	**LV834035SP**	$	*1,458.00*
	1000/4000 A	**LV834036SP**	$	*1,461.00*
	4000/6300 A (MTZ3)	**LV848182SP**	$	*2,958.50*
Single sensor kit	2000/6300 A	**LV848904SP**	$	*11,340.00*
3 layer bus	2000 A	**LV848905SP**	$	*4,418.50*

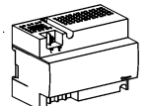
Source ground return (SGR) earth-fault protection / 1 part

DB424661

			Price (S$)
External sensor (SGR)	**LV833579SP**	$	*1,589.00*
MDGF summing module	**LV848891SP**	$	*1,995.00*

External power supply module (AD) / 1 part

DB117082



			Price (S$)
24-30 V DC	**LV454440**	$	*901.00*
48-60 V DC	**LV454441**	$	*901.00*
100-125 V DC	**LV454442**	$	*901.00*
110-130 V AC	**LV454443**	$	*625.00*
200-240 V AC	**LV454444**	$	*505.00*

Mobile Powerpack for Micrologic Active A/E (by APC) / 1 part

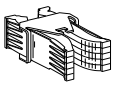
DB421410

			Price (S$)
Mobile Powerpack for Micrologic Active A/E (by APC) / 1 part	**LV850055SP**	$	*290.00*

unit price (excl. GST in Singapore Dollars)

Clusters

DB403280_1



X 6

				Price (S$)
Kit of 6 disconnecting contact clusters for chassis (see table below)	**LV864906SP**	$	*298.00*

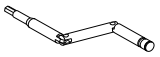
Table : number of clusters required for the different chassis models

	Masterpact MTZ2-3 3P						Masterpact MTZ2-3 4P					
	N1 NA	H1 HA	H10 HA10	H2 HF	H3	L1	N1 NA	H1 HA	H10 HA10	H2 HF	H3	L1
MTZ2 08 to 16	12	12	12	24		24	16	16	8	16		32
MTZ2 20	24	24	24	24	24	42	32	32	32	32	32	56
MTZ2 25		24	24	24	24			32	32	32	32	
MTZ2 32		36	36	36	36			48	48	48	48	
MTZ2 40		42	42	42	42			56	56	56	56	
MTZ3 40 to 50		72		72				96		96		
MTZ3 63		72		72				96		96		

Set of 2 clusters filters for 2 and 3 clusters	**47554**	$	*21,219.00*

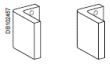
Racking handle

DB403281



			Price (S$)
Racking handle	**LV847944SP**	$	*168.00*

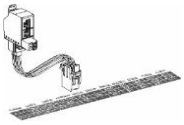
Raking terminals for converting a fixed into a drawout circuit breaker (for 1 pole = top + bottom)



Device type	Quantity to be ordered 3P	4P	Part number		Price (S$)
MTZ2 08-16 N1/NA/H1/HA	3	4	**LV847908SP**	$	*263.00*
MTZ2 20 N1 MTZ2 20-25 H1/H2/HA	3	4	**LV847909SP**	$	*330.00*
MTZ2 32-40 H1/H2/HA	3	4	**LV847912SP**	$	*396.00*

NW chassis retrofit to MTZ2/3

DB431701



Kit for retrofitting an NW chassis for MTZ2/3 with Micrologic Active moving part For more information: retrofit kit instruction sheet (QGH31931)			**Price (S$)**
	LV850066SP	$	*176.00*

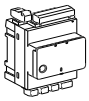
Communication, monitoring and control

unit price (excl. GST in Singapore Dollars)

Communication option

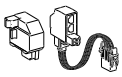
DB421425 DB421426

				Price (S$)
EIFE	Embedded Ethernet module full spare part kit for MTZ2/3-drawout	**LV851200SP**	$	*936.50*
	Embedded Ethernet spare part module MTZ1/2/3-drawout	**LV851001SP**	$	*936.50*
IFM	Modbus interface	**LV434000**	$	*424.50*
IFE	Ethernet interface for LV breaker	**LV434001**	$	*901.50*
	Ethernet interface for LV breakers and gateway	**LV434002**	$	*1,366.00*

DB21427  DB421428

Microswitches for MTZ2/3	**LV847905SP**	$	*166.00*
EIFE Acessories spare part kit for MTZ2/3	**LV851220SP**	$	*331.00*
I/O application module	**LV434063**	$	*895.00*

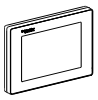
ULP port modules

DB423062 

			Price (S$)
ULP port - for Masterpact MTZ2/3 - fixed	**LV850061SP**	$	*319.50*
ULP port - for Masterpact MTZ2/3 - drawout	**LV850062SP**	$	*253.00*

Monitoring and control

Ethernet display module

DB417489 

			Price (S$)
Switchboard front display module FDM121	**TRV00121**	$	*584.00*
Switchboard front display module FDM128	**LV434128**	$	*1,673.50*

ULP wiring accessories [1]

DB127985

			Price (S$)
Breaker ULP cord L = 0.35 m	**LV434195**	$	*16.50*
Breaker ULP cord L = 1.3 m	**LV434196**	$	*25.50*
Breaker ULP cord L = 3 m	**LV434197**	$	*48.00*
Breaker ULP cord L = 5 m	**LV434198**	$	*209.00*

LV434211.ai

Connector Modbus adaptor	**LV434211**	$	*201.00*

DB1156

5 RJ45 connectors female/female	**TRV00870**	$	*126.00*

DB111444

10 ULP line terminators	**TRV00880**	$	*56.50*

DB421435

10 RJ45/RJ45 male cord L = 0.3 m	**TRV00803**	$	*103.00*
10 RJ45/RJ45 male cord L = 0.6 m	**TRV00806**	$	*143.50*
5 RJ45/RJ45 male cord L = 1 m	**TRV00810**	$	*94.00*
5 RJ45/RJ45 male cord L = 2 m	**TRV00820**	$	*155.00*
5 RJ45/RJ45 male cord L = 3 m	**TRV00830**	$	*199.00*
1 RJ45/RJ45 male cord L = 5 m	**TRV00850**	$	*61.00*

[1] *For measurement display with Micrologic X.*

[2] *See TeSys catalogue.*

unit price (excl. GST in Singapore Dollars)

Unit price (excl. GST) in Singapore Dollars

Sensor Plugs and Terminals

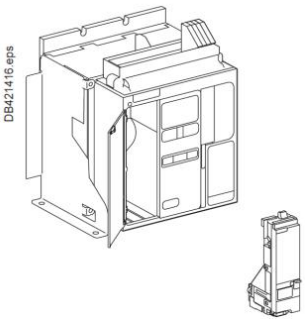
			Price (S$)
UC3 WIRING -D/O MTZ1	**LV933098**	$	86.00
UC3 WIRING-FIX MTZ 1-2-3	**LV947074**	$	86.00
UC3 WIRING-D/O MTZ2-3	**LV947849**	$	86.00
SENSOR PLUG 1000A MTZ1/2 N°7 ML Act	**LV933093**	$	31.00
SENSOR PLUG 1250A MTZ1/2 N°9 ML Act	**LV933094**	$	31.00
SENSOR PLUG 1600A MTZ1/2 N°10 ML Act	**LV933095**	$	31.00
SENSOR PLUG 2000A MTZ2 N°11 ML Act	**LV933982**	$	31.00
SENSOR PLUG 2000A MTZ3 N°18 ML Act	**LV947821**	$	31.00
SENSOR PLUG 2500A MTZ2 N°12 ML Act	**LV933983**	$	31.00
SENSOR PLUG 2500A MTZ3 N°19 ML Act	**LV947822**	$	31.00
SENSOR PLUG 3200A MTZ2 N°14 ML Act	**LV933984**	$	31.00
SENSOR PLUG 3200A MTZ3 N°21 ML Act	**LV947823**	$	31.00
SENSOR PLUG 4000A MTZ2 N°16 ML Act	**LV947820**	$	31.00
SENSOR PLUG 4000A MTZ3 N°23 ML Act	**LV947824**	$	31.00
SENSOR PLUG 400A MTZ1/2 N°3 ML Act	**LV947053**	$	31.00
SENSOR PLUG 5000A MTZ3 N°24 ML Act	**LV947825**	$	31.00
SENSOR PLUG 6300A MTZ3 N°26 ML Act	**LV947826**	$	31.00
SENSOR PLUG 630A MTZ1/2 N°5 ML Act	**LV933091**	$	31.00
SENSOR PLUG 800A MTZ1/2 N°6 ML Act	**LV933092**	$	31.00
6 WIRE AUXIL TERMINAL BLOCK - D/O MTZ2-3	**LV847850**	$	25.50

Fixed Circuit Breakers
Circuit breakers

unit price (excl. GST in Singapore Dollars)

A MasterPact MTZ1 X fixed circuit breaker is described by minimum below catalogue numbers corresponding to:
> the basic circuit breaker
> a control unit
> a top connection
> a bottom connection
> a sensor plug
> a COM wiring and microswitches

A communication option and various auxiliaries and accessories may also be added.
Refer to product selector as final configuration



Basic circuit breaker

Type H1

	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu	3P	Price (S$)	4P	Price (S$)
MTZ1 06	630	42	**LV847110**	$ 3,147.00	**LV847115**	$ 4,396.00
MTZ1 08	800	42	**LV847120**	$ 3,268.50	**LV847125**	$ 4,611.50
MTZ1 10	1000	42	**LV847130**	$ 3,585.00	**LV847135**	$ 5,018.50
MTZ1 12	1250	42	**LV847140**	$ 4,319.50	**LV847145**	$ 5,970.50
MTZ1 16	1600	42	**LV847150**	$ 4,791.50	**LV847155**	$ 6,649.50

Type H2

	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu	3P	Price (S$)	4P	Price (S$)
MTZ1 06	630	50	**LV847113**	$ 3,206.00	**LV847119**	$ 4,948.50
MTZ1 08	800	50	**LV847123**	$ 3,475.00	**LV847128**	$ 5,280.00
MTZ1 10	1000	50	**LV847131**	$ 4,285.50	**LV847138**	$ 5,802.00
MTZ1 12	1250	50	**LV847141**	$ 4,510.50	**LV847147**	$ 6,824.50
MTZ1 16	1600	50	**LV847151**	$ 5,296.50	**LV847157**	$ 7,584.00

Type H3 - Rated operational voltage limited to 440V AC

	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu	3P	Price (S$)	4P	Price (S$)
MTZ1 06	630	66	**LV846436**	$ 3,677.50	**LV846443**	$ 4,669.00
MTZ1 08	800	66	**LV846437**	$ 4,118.50	**LV846444**	$ 5,247.50
MTZ1 10	1000	66	**LV846438**	$ 4,545.50	**LV846445**	$ 5,755.50
MTZ1 12	1250	66	**LV846439**	$ 4,945.50	**LV846446**	$ 6,255.50
MTZ1 16	1600	66	**LV846440**	$ 6,439.50	**LV846447**	$ 8,349.50

Micrologic X control unit

“Class1 IEC 61557-12 certified power meter ”

		3P/4P	Price (S$)
Micrologic 2.0 X	basic protection	**LV847280**	$ 1,724.00
Micrologic 5.0 X	selective protection	**LV847283**	$ 2,482.00
Micrologic 6.0 X	selective + earth-fault protection	**LV847288**	$ 3,529.50
Micrologic 7.0 X	selective + earth-leakage protection	**LV847287**	$ 5,924.00

Digital modules option

	3P/4P	Price (S$)
Energy per phase	**LV850002**	$ 169.50
Waveform capture on trip event	**LV850003**	$ 1,184.00
Power restoration assistant	**LV850004**	$ 457.00
MasterPact operation assistant	**LV850005**	$ 298.50
Individual harmonics analysis" for Micrologic X	**LV850006**	$ 1,177.00
ANSI 51N/51G - Ground fault alarm	**LV850007**	$ 1,265.00
ERMS - Energy Reduction Maintenance Settings	**LV850009**	$ 416.60
ANSI 32P - Reverse active power	**LV850011**	$ 1,067.00
ANSI 27/59 - Under/Over voltage	**LV850012**	$ 1,067.00
ANSI 81 - Under/Over frequency protection	**LV850013**	$ 1,017.00
ANSI 67 - Directional overcurrent	**LV850015**	$ 1,994.50
ANSI 51 - IDMTL overcurrent protection	**LV850037**	$ 2,656.50
Modbus legacy dataset	**LV850045**	$ 366.50
IEC 61850 for MasterPact MTZ	**LV850046**	$ 3,155.50

Communication option

ULP Port		**LV850063**	$ 352.00
ULP Port wires for MTZ1		**LV836388**	$ 70.50
IFE	Ethernet interface for LV breaker	**LV434001**	$ 901.50
	Ethernet interface for LV breakers and gateway	**LV434002**	$ 1,366.00
I/O application module		**LV434063**	$ 895.00

Note 1: Schneider Electric highly recommends the usage of either a Voltage Power Supply (VPS) or External 24Vdc power supply to power up the MasterPact MTZ MicroLogic X. Below 20 % of the rated current an external power supply 24Vdc or the VPS module is needed to ensure the proper operation and all the specified performances of MicroLogic X (measurement, diagnosis, display and communication functions).

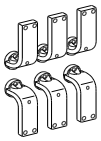
Note 2: The basic functions of protection (LSIG) do not require any external power supply.

Fixed Circuit Breakers
Connections

unit price (excl. GST in Singapore Dollars)

Front connection

DB117100

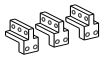


		3P		Price (S$)	4P		Price (S$)
630-1600 A	Top	**LV847328**	$	*497.00*	**LV847330**	$	*655.00*
	Bottom	**LV847329**	$	*497.00*	**LV847331**	$	*655.00*

Front connection accessories

Vertical connection adapters 250/630-1600 A

DB117080



			Price (S$)
3P (3 parts)	**LV833642SP**	$	*778.00*
4P (4 parts)	**LV833643SP**	$	*1,033.00*

Interphase barriers

DB117109

			Price (S$)
3P/4P top (3 parts)	**LV833648SP**	$	*168.50*
3P/4P bottom (3 parts)	**LV833648SP**	$	*168.50*

Arc chute screen

DB117090

			Price (S$)
3P	**LV847335SP**	$	*175.00*
4P	**LV847336SP**	$	*223.00*

Rear connection

Vertical connection

DB117077

		3P		Price (S$)	4P		Price (S$)
630-1600 A	Top	**LV833604**	$	*419.50*	**LV833614**	$	*550.50*
	Bottom	**LV833605**	$	*419.50*	**LV833615**	$	*550.50*

Horizontal connection

DB117076

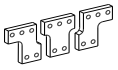
		3P		Price (S$)	4P		Price (S$)
630-1600 A	Top	**LV833606**	$	*419.50*	**LV833616**	$	*550.50*
	Bottom	**LV833607**	$	*419.50*	**LV833617**	$	*550.50*

Rear connection accessories

Common accessories for front and rear connection

Spreaders

DB117075



				Price (S$)
630-1600 A	3P	**LV833622SP**	$	*529.50*
	4P	**LV833623SP**	$	*705.00*

For front and horizontal rear connection

Cable lug adapters 630-1600 A

DB117079

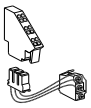
			Price (S$)
3P (3 parts)	**LV833644SP**	$	*625.50*
4P (4 parts)	**LV833645SP**	$	*828.50*

Fixed Circuit Breakers
Indication contacts & Remote Operation

unit price (excl. GST in Singapore Dollars)

ON/OFF indication contacts (OF)

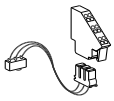
DB117067



Changeover contacts (6 A - 240 V)	4 (standard)		**Price (S$)**
1 low-level OF to replace 1 standard OF (4 max.)	**LV847339**	*$*	*102.00*

"Fault trip" indication contacts (SDE)

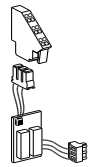
DB117099



Changeover contact (6 A - 240 V)	1 (standard)		**Price (S$)**
1 additional SDE (6 A - 240 V)	**LV847340**	*$*	*122.50*
1 additional low-level SDE	**LV847341**	*$*	*122.50*

Programmable contacts **(programmed via Micrologic control unit)**

DB117074

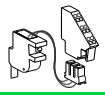


M2C

			Price (S$)
2 contacts (M2C) (5 A - 240 V)	**LV847403**	*$*	*195.50*

"Ready to close" contact (1 max.)

DB117070



	PF		**Price (S$)**
1 changeover contact (5 A - 240 V)	**LV847342**	*$*	*201.00*
1 low-level changeover contact	**LV847343**	*$*	*201.00*

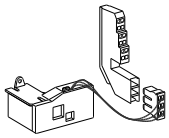
Electrical closing pushbutton

DB117069

	BPFE		**Price (S$)**
1 pushbutton	**LV847512**	*$*	*292.00*

Remote reset after fault trip

DB117062



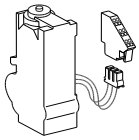
Electrical reset	**RES**		**Price (S$)**
110/130 V AC	**LV847344**	*$*	*375.50*
220/240 V AC	**LV847345**	*$*	*375.50*
Automatic reset	**RAR**		
Adaptation	**LV847346**	*$*	*58.00*

unit price (excl. GST in Singapore Dollars)

Remote ON/OFF

Gear motor

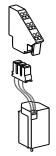
DB117072



		MCH		Price (S$)
AC 50/60 Hz	48 V	**LV847391**	$	*1,939.50*
	100/130 V	**LV847395**	$	*1,939.50*
	200/240 V	**LV847396**	$	*1,939.50*
	277/415 V	**LV847398**	$	*1,939.50*
	440/480 V	**LV847400**	$	*1,939.50*
DC	24/30 V	**LV847390**	$	*1,939.50*
	48/60 V	**LV847391**	$	*1,939.50*
	100/130 V	**LV847392**	$	*1,939.50*
	200/250 V	**LV847393**	$	*1,939.50*

Instantaneous voltage releases

DB117071



		Closing release		Price (S$)	Opening release		Price (S$)
Standard		**XF**			**MX**		
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV847350**	$	*275.50*	**LV847360**	$	*275.50*
DC	48/60 V DC, 48 V AC	**LV847351**	$	*275.50*	**LV847361**	$	*275.50*
	100/130 V AC/DC	**LV847352**	$	*275.50*	**LV847362**	$	*275.50*
	200/250 V AC/DC	**LV847353**	$	*275.50*	**LV847363**	$	*275.50*
	277 V AC	**LV847354**	$	*275.50*	**LV847364**	$	*275.50*
	380/480 V AC	**LV847355**	$	*275.50*	**LV847365**	$	*275.50*
Diagnostics & Communicating		**XF diag & com**			**MX diag & com**		
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV847311**	$	*335.50*	**LV847321**	$	*335.50*
DC	48/60 V DC, 48 V AC	**LV847312**	$	*335.50*	**LV847322**	$	*335.50*
	100/130 V AC/DC	**LV847313**	$	*335.50*	**LV847323**	$	*335.50*
	200/250 V AC/DC	**LV847314**	$	*335.50*	**LV847324**	$	*335.50*
	277 V AC	**LV847315**	$	*335.50*	**LV847325**	$	*335.50*
	380/480 V AC	**LV847316**	$	*335.50*	**LV847326**	$	*335.50*

DB4043
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		Opening release		
Standard		**MN**		**Price (S$)**
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV847380**	$	*275.50*
DC	48/60 V DC, 48 V AC	**LV847381**	$	*275.50*
	100/130 V AC/DC	**LV847382**	$	*275.50*
	200/250 V AC/DC	**LV847383**	$	*275.50*
	380/480 V AC	**LV847385**	$	*275.50*
Diagnostics & Communicating		**MN diag**		**Price (S$)**
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV836700**	$	*366.50*
DC	48/60 V DC, 48 V AC	**LV836701**	$	*366.50*
	100/130 V AC/DC	**LV836702**	$	*366.50*
	200/250 V AC/DC	**LV836703**	$	*366.50*
	380/480 V AC	**LV836704**	$	*366.50*

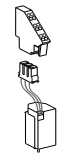
Isolation module for Communicating Coils

Isolation module for COM coils	**LV850056**	$	*758.00*

Remote tripping

Instantaneous voltage release

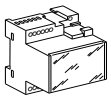
DB117071



		2nd MX (*)		Price (S$)
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV847370**	$	*275.50*
DC	48/60 V DC, 48 V AC	**LV847371**	$	*275.50*
	100/130 V AC/DC	**LV847372**	$	*275.50*
	200/250 V AC/DC	**LV847373**	$	*275.50*
	277 V AC	**LV847374**	$	*275.50*
	380/480 V AC	**LV847375**	$	*275.50*

MN delay unit

DB117105



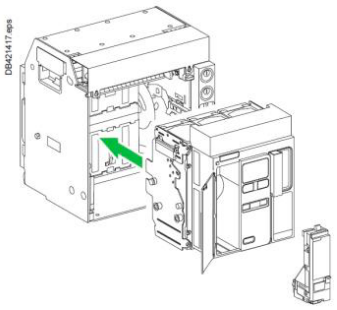
		R (non-adjustable)		Price (S$)	Rr (adjustable)		Price (S$)
AC 50/60 Hz	48/60 V AC/DC				**LV833680SP**	$	*649.00*
DC	100/130 V AC/DC	**LV833684SP**	$	*507.50*	**LV833681SP**	$	*649.00*
	200/250 V AC/DC	**LV833685SP**	$	*507.50*	**LV833682SP**	$	*649.00*
	380/480 V AC/DC				**LV833683SP**	$	*649.00*

(*) Exclusive option between 2nd MX or MN coils

Drawout Circuit Breakers
Circuit breakers

unit price (excl. GST in Singapore Dollars)

A MasterPact MTZ1 X drawout circuit breaker is described by minimum below catalogue numbers corresponding to:
> the basic circuit breaker
> a control unit
> a chassis
> a top connection
> a bottom connection
> a sensor plug
> a COM wiring and microswitches
A communication option and various auxiliaries and accessories may also be added.



Basic circuit breaker

Type H1

	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu	3P	Price (S$)	4P	Price (S$)
MTZ1 06	630	42	**LV847200**	$ 3,137.00	**LV847205**	$ 4,037.50
MTZ1 08	800	42	**LV847210**	$ 3,382.50	**LV847215**	$ 4,339.50
MTZ1 10	1000	42	**LV847220**	$ 3,792.50	**LV847225**	$ 4,865.50
MTZ1 12	1250	42	**LV847230**	$ 4,213.50	**LV847235**	$ 5,723.50
MTZ1 16	1600	42	**LV847240**	$ 4,236.00	**LV847245**	$ 6,349.00

Type H2

	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu	3P	Price (S$)	4P	Price (S$)
MTZ1 06	630	50	**LV847203**	$ 3,159.00	**LV847209**	$ 4,483.00
MTZ1 08	800	50	**LV847211**	$ 3,787.00	**LV847218**	$ 4,825.50
MTZ1 10	1000	50	**LV847221**	$ 4,197.50	**LV847228**	$ 5,414.50
MTZ1 12	1250	50	**LV847231**	$ 4,412.00	**LV847237**	$ 6,011.00
MTZ1 16	1600	50	**LV847241**	$ 4,503.50	**LV847247**	$ 6,732.50

Type H3 - Rated operational voltage limited to 440V AC

	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu	3P	Price (S$)	4P	Price (S$)
MTZ1 06	630	66	**LV846450**	$ 3,845.00	**LV846457**	$ 4,982.50
MTZ1 08	800	66	**LV846451**	$ 4,272.00	**LV846458**	$ 5,533.50
MTZ1 10	1000	66	**LV846452**	$ 4,715.50	**LV846459**	$ 6,046.50
MTZ1 12	1250	66	**LV846453**	$ 5,122.00	**LV846460**	$ 6,548.50
MTZ1 16	1600	66	**LV846454**	$ 6,781.50	**LV846461**	$ 8,684.00

Micrologic X control unit

"Class1 IEC 61557-12 certified power meter "

		3P/4P	Price (S$)
Micrologic 2.0 X	basic protection	**LV847281**	$ 1,724.00
Micrologic 5.0 X	selective protection	**LV847284**	$ 2,482.00
Micrologic 6.0 X	selective + earth-fault protection	**LV847292**	$ 3,529.50
Micrologic 7.0 X	selective + earth-leakage protection	**LV847287**	$ 5,924.00

Digital modules option

	3P/4P	Price (S$)
Energy per phase	**LV850002**	$ 169.50
Waveform capture on trip event	**LV850003**	$ 1,184.00
Power restoration assistant	**LV850004**	$ 457.00
MasterPact operation assistant	**LV850005**	$ 298.50
Individual harmonics analysis" for Micrologic X	**LV850006**	$ 1,177.00
ANSI 51N/51G - Ground fault alarm	**LV850007**	$ 1,265.00
ERMS - Energy Reduction Maintenance Settings	**LV850009**	$ 416.60
ANSI 32P - Reverse active power	**LV850011**	$ 1,067.00
ANSI 27/59 - Under/Over voltage	**LV850012**	$ 1,067.00
ANSI 81 - Under/Over frequency protection	**LV850013**	$ 1,017.00
ANSI 67 - Directional overcurrent	**LV850015**	$ 1,994.50
ANSI 51 - IDMTL overcurrent protection	**LV850037**	$ 2,656.50
Modbus legacy dataset	**LV850045**	$ 366.50
IEC 61850 for MasterPact MTZ	**LV850046**	$ 3,155.50

Chassis

For type H1 - H2 - H3

	3P	Price (S$)	4P	Price (S$)
630-1250 A	**LV833722**	$ 2,301.00	**LV833725**	$ 2,857.00
1600 A	**LV833723**	$ 2,799.00	**LV833726**	$ 3,579.00

For type L1

	3P	Price (S$)	4P	Price (S$)
630-1000 A	**LV833723**	$ 2,799.00	**LV833726**	$ 3,579.00

Ethernet Communication option

ULP Port		**LV850064**	$ 352.00
ULP Port wires for MTZ1		**LV836388**	$ 70.50
EIFE	Embedded ethernet interface for LV breaker	**LV851100**	$ 1,173.00
IFE	Ethernet interface for LV breaker	**LV434001**	$ 901.50
	Ethernet interface for LV breakers and gateway	**LV434002**	$ 1,366.00
I/O application module		**LV434063**	$ 895.00

Note 1: Schneider Electric highly recommends the usage of either a Voltage Power Supply (VPS) or External 24Vdc power supply to power up the MasterPact MTZ MicroLogic X. Below 20 % of the rated current an external power supply 24Vdc or the VPS module is needed to ensure the proper operation and all the specified performances of MicroLogic X (measurement, diagnosis, display and communication functions).

Note 2: The basic functions of protection (LSIG) do not require any external power supply.

Drawout Circuit Breakers
Connections

unit price (excl. GST in Singapore Dollars)

Chassis terminal blocks

Standard Terminal Blocks

Each chassis comes equipped in standard with the terminal blocks corresponding to the customer functions below
- the basic device : OF1, OF2, OF3, OF4, SDE1, UC3 (UC3 for 3P chassis only, not for 4P)
- the MicroLogic control unit : UC1, UC2
- the 5 most common accessories : MN/MX2, MX1, XF, PF, MCH.

Additional Terminal Blocks

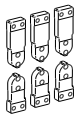
If the device is equipped with one or a combination of the following 3 additional accessories:
- SDE2/RES
- M2C/ESM
- PTE

all the necessary chassis terminal blocks are coded by one of the part numbers below :

		Price (S$)
Chassis terminal block for PTE	**LV839461**	$ 24.00
Chassis terminal block for SDE2	**LV839462**	$ 24.00
Chassis terminal blocks for PTE + SDE2	**LV839463**	$ 49.00
Chassis terminal block for M2C/ESM	**LV839464**	$ 24.00
Chassis terminal blocks for SDE2 + M2C/ESM	**LV839465**	$ 49.00

Chassis front connection

DB117068

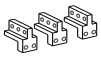


		3P	Price (S$)	4P	Price (S$)
250/630-1600 A	Top	**LV833727**	$ *382.50*	**LV833733**	$ *498.50*
	Bottom	**LV833728**	$ *351.00*	**LV833734**	$ *457.50*

Front connection accessories

Vertical connection adapters 250/630-1600 A

DB117080



		Price (S$)
3P (3 parts)	**LV833642SP**	$ *778.00*
4P (4 parts)	**LV833643SP**	$ *1,033.00*

Chassis rear connection

Vertical connection

DB117077

		3P	Price (S$)	4P	Price (S$)
250/630-1600 A	Top	**LV833729**	$ *397.50*	**LV833735**	$ *503.50*
	Bottom	**LV833730**	$ *397.50*	**LV833736**	$ *503.50*

Horizontal connection

DB117076

		3P	Price (S$)	4P	Price (S$)
250/630-1600 A	Top	**LV833731**	$ *236.50*	**LV833737**	$ *316.00*
	Bottom	**LV833732**	$ *236.50*	**LV833738**	$ *316.00*

Rear connection accessories

DB117078

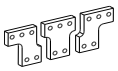
Interphase barriers

		Price (S$)
3P/4P (3 parts)	**LV833768SP**	$ *150.50*

Common accessories for front and rear connection

Spreaders

DB117075



			Price (S$)
630-1600 A	3P	**LV833622SP**	$ *529.50*
	4P	**LV833623SP**	$ *705.00*

For front and horizontal rear connection.

Cable lug adapters 250/630-1600 A

DB117079

		Price (S$)
3P (3 parts)	**LV833644SP**	$ *625.50*
4P (4 parts)	**LV833645SP**	$ *828.50*

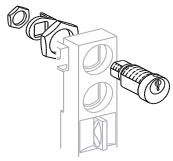
Drawout Circuit Breakers
Chassis locking and accessories

unit price (excl. GST in Singapore Dollars)

Chassis locking

"Disconnected" position locking

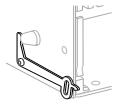
DB117108



By padlocks				
	VCPO	**Standard**		**Price (S$)**
By Profalux keylocks				
Profalux	1 lock with 1 key + adaptation kit	**LV833773**	$	*252.00*
	2 locks 1 key + adaptation kit	**LV833774**	$	*502.50*
	2 locks 2 different keys + adaptation kit	**LV833775**	$	*502.50*
1 keylock Profalux	identical key not identified combination	**LV833173SP**	$	*202.00*
(without adaptation kit):	identical key identified 215470 combination	**LV833174SP**	$	*202.00*
	identical key identified 215471 combination	**LV833175SP**	$	*308.00*
By Ronis keylocks				
Ronis	1 lock with 1 key + adaptation kit	**LV833776**	$	*243.00*
	2 locks 1 key + adaptation kit	**LV833777**	$	*483.00*
	2 locks 2 different keys + adaptation kit	**LV833778**	$	*483.00*
1 keylock Ronis	identical key not identified combination	**LV833189SP**	$	*202.00*
(without adaptation kit):	identical key identified EL24135 combination	**LV833190SP**	$	*177.00*
	identical key identified EL24153 combination	**LV833191SP**	$	*308.00*
	identical key identified EL24315 combination	**LV833192SP**	$	*202.00*
Optional disconnected/test/connected position locking		**LV833779**	$	*288.00*
Adaptation kit	adaptation kit Profalux	**LV833769SP**	$	*152.50*
(without keylock):	adaptation kit Castell	**LV833771SP**	$	*582.00*
	adaptation kit Kirk	**LV833772SP**	$	*449.50*

Door interlock (1 part)

DB117066



			Price (S$)
Right-hand side of chassis (VPECD)	**LV833786**	$	*178.00*
Left-hand side of chassis (VPECG)	**LV833787**	$	*178.00*

Racking interlock

DB11170

			Price (S$)
Racking interlock (VPOC)	**LV833788**	$	*149.50*

Breaker mismatch protection

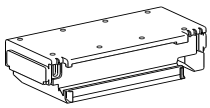
DB11170

			Price (S$)
Breaker mismatch protection (VDC)	**LV833767SP**	$	*263.00*

Chassis accessories

Arc chute cover

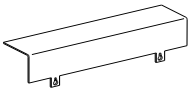
DB11171



			Price (S$)
3P/4P	**Standard**		

Auxiliary terminal shield (CB)

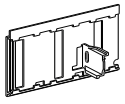
DB117104



				Price (S$)
Terminal shield	3P	**LV833763**	$	*107.50*
	4P	**LV833764**	$	*144.50*

Safety shutters as standard

DB117103



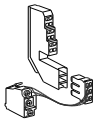
			Price (S$)
Safety shutters (VO)	3P	**Standard**	
	4P	**Standard**	

MasterPact MTZ with Micrologic X
MTZ1 06 to MTZ1 16
Drawout Circuit Breakers
Indication contacts & Remote Operation

unit price (excl. GST in Singapore Dollars)

ON/OFF indication contacts (OF)

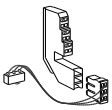
DB117063



Changeover contacts (6 A - 240 V)	4 (standard)		**Price (S$)**
1 low-level OF to replace 1 standard OF (4 max.)	**LV833806**	*$*	*361.50*

"Fault trip" indication contacts (SDE)

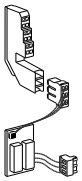
DB117098



Changeover contact (6 A - 240 V)	1 (standard)		**Price (S$)**
1 additional SDE (6 A - 240 V)	**LV847430**	*$*	*122.50*
1 additional low-level SDE	**LV847431**	*$*	*122.50*

Programmable contacts **(programmed via Micrologic control unit)**

DB117107



M2C

			Price (S$)
2 contacts M2C (5 A - 240 V)	**LV847483**	*$*	*194.00*

Carriage switches (connected / disconnected / test position)

DB117061

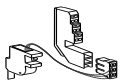
Changeover contacts (6 A - 240 V)			
			Price (S$)
1 connected position contact (3 max.)	**LV833751**	*$*	*80.50*
1 test position contact (1 max.)	**LV833752**	*$*	*75.00*
1 disconnected position contact (2 max.)	**LV833753**	*$*	*80.50*
And/or low-level changeover contacts			
1 connected position contact (3 max.)	**LV833754**	*$*	*96.50*
1 test position contact (1 max.)	**LV833755**	*$*	*90.00*
1 disconnected position contact (2 max.)	**LV833756**	*$*	*90.00*

Auxiliary terminals for chassis alone

			Price (S$)
3 wire terminal (30 parts)	**LV847071SP**	*$*	*567.50*
6 wire terminal (10 parts)	**LV847072SP**	*$*	*427.50*
Jumpers (10 parts)	**LV847900SP**	*$*	*34.50*

"Ready to close" contact (1 max.)

DB117059



	PF		**Price (S$)**
1 changeover contact (5 A - 240 V)	**LV847432**	*$*	*201.00*
1 low-level changeover contact	**LV847433**	*$*	*201.00*

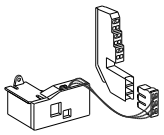
Electrical closing pushbutton

DB117069

	BPFE		**Price (S$)**
1 pushbutton	**LV847512**	*$*	*292.00*

Remote reset after fault trip

DB117062



Electrical reset	**RES**		**Price (S$)**
110/130 V AC	**LV847434**	*$*	*389.50*
220/240 V AC	**LV847435**	*$*	*389.50*
Automatic reset	**RAR**		**Price (S$)**
Adaptation	**LV847346**	*$*	*58.00*

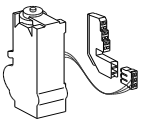
Drawout Circuit Breakers
Remote operation

unit price (excl. GST in Singapore Dollars)

Remote ON/OFF

Gear motor

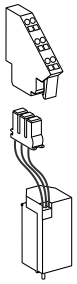
DB117060



		MCH		Price (S$)
AC 50/60 Hz	48 V	**LV847461**	$	*1,939.50*
	100/130 V	**LV847465**	$	*1,939.50*
	200/240 V	**LV847466**	$	*1,939.50*
	277/415 V	**LV847468**	$	*1,939.50*
	440/480 V	**LV847470**	$	*1,939.50*
DC	24/30 V	**LV847460**	$	*1,939.50*
	48/60 V	**LV847461**	$	*1,939.50*
	100/130 V	**LV847462**	$	*1,939.50*
	200/250 V	**LV847463**	$	*1,939.50*

Instantaneous voltage releases

DB404318



		Closing release			Opening release		
Standard		**XF**		**Price (S$)**	**MX**		**Price (S$)**
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV847440**	$	*256.50*	**LV833810**	$	*256.50*
DC	48/60 V DC, 48 V AC	**LV847441**	$	*256.50*	**LV833811**	$	*256.50*
	100/130 V AC/DC	**LV847442**	$	*256.50*	**LV833812**	$	*256.50*
	200/250 V AC/DC	**LV847443**	$	*256.50*	**LV833813**	$	*256.50*
	277 V AC	**LV847444**	$	*256.50*	**LV833814**	$	*256.50*
	380/480 V AC	**LV847445**	$	*256.50*	**LV833815**	$	*256.50*
Diagnostics & Communicating		**XF diag & com**		**Price (S$)**	**MX diag & com**		**Price (S$)**
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV847412**	$	*343.00*	**LV833792**	$	*343.00*
DC	48/60 V DC, 48 V AC	**LV847413**	$	*343.00*	**LV833793**	$	*343.00*
	100/130 V AC/DC	**LV847414**	$	*343.00*	**LV833794**	$	*343.00*
	200/250 V AC/DC	**LV847415**	$	*343.00*	**LV833795**	$	*343.00*
	277 V AC	**LV847416**	$	*343.00*	**LV833796**	$	*343.00*
	380/480 V AC	**LV847417**	$	*400.50*	**LV833797**	$	*400.50*

		Opening release		
Standard		**MN**		**Price (S$)**
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV833819**	$	*256.50*
DC	48/60 V DC, 48 V AC	**LV833820**	$	*256.50*
	100/130 V AC/DC	**LV833821**	$	*256.50*
	200/250 V AC/DC	**LV833822**	$	*256.50*
	380/480 V AC	**LV833824**	$	*256.50*
Diagnostics & Communicating		**MN diag**		**Price (S$)**
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV836710**	$	*610.00*
DC	48/60 V DC, 48 V AC	**LV836711**	$	*610.00*
	100/130 V AC/DC	**LV836712**	$	*610.00*
	200/250 V AC/DC	**LV836713**	$	*610.00*
	380/480 V AC	**LV836714**	$	*610.00*

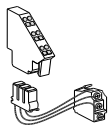
Isolation module for Communicating Coils

Isolation module for COM coils	**LV850056**	$	*758.00*

Remote tripping

Instantaneous voltage release

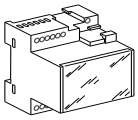
DB117067



		2nd MX (*)		Price (S$)
AC 50/60 Hz				
DC	24/30 V DC, 24 V AC	**LV847450**	$	*256.50*
	48/60 V DC, 48 V AC	**LV847451**	$	*256.50*
	100/130 V AC/DC	**LV847452**	$	*256.50*
	200/250 V AC/DC	**LV847453**	$	*256.50*
	277 V AC	**LV847454**	$	*256.50*
	380/480 V AC	**LV847455**	$	*256.50*

MN delay unit

DB117105



		R (non-adjustable)		Price (S$)	Rr (adjustable)		Price (S$)
AC 50/60 Hz	48/60 V AC/DC				**LV833680SP**	$	*649.00*
DC	100/130 V AC/DC	**LV833684SP**	$	*507.50*	**LV833681SP**	$	*649.00*
	200/250 V AC/DC	**LV833685SP**	$	*507.50*	**LV833682SP**	$	*649.00*
	380/480 V AC/DC				**LV833683SP**	$	*649.00*

(*) Exclusive option between 2nd MX or MN coils

unit price (excl. GST in Singapore Dollars)

Circuit breaker locking

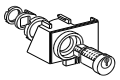
Pushbutton locking device

DB117058

			Price (S$)
By padlocks	LV833897	$	122.50

OFF position locking

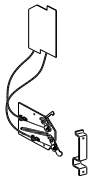
DB117101



				Price (S$)
By padlocks + BPFE support				
	LV847514	$	131.50
By Profalux keylocks				
Profalux	LV847519	$	335.50
	LV847520	$	570.00
1 keylock Profalux (without adaptation kit):	LV833173SP	$	202.00
	LV833174SP	$	202.00
	LV833175SP	$	308.00
By Ronis keylocks + BPFE support			
Ronis	LV847521	$	335.50
	LV847522	$	570.00
1 keylock Ronis (without adaptation kit):	LV833189SP	$	202.00
	LV833190SP	$	177.00
	LV833191SP	$	308.00
	LV833192SP	$	202.00
Adaptation kit (without keylock):	LV847515SP	$	239.50
	LV847517SP	$	720.50
	LV847518SP	$	930.50

Cable-type door interlock

DB117091

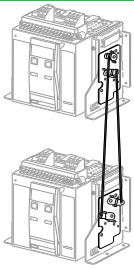


			Price (S$)
1 complete assembly for MasterPact MTZ1 fixed devices	LV833920SP	$	1,215.50
1 complete assembly for MasterPact MTZ1 drawout devices	LV833921SP	$	1,252.00

Mechanical interlocking for source changeover

Interlocking using connecting rods

DB117097



Choose one set of 2 adaptation fixtures (1 for each device) + 1 set of 2 interlocking rods			Price (S$)
1 set of 2 adaptation fixtures for MasterPact MTZ1 fixed devices	LV833203SP	$	837.00
1 set of 2 adaptation fixtures for MasterPact MTZ1 drawout devices	LV833204SP	$	848.50
1 set of 2 interlocking rods	LV833210SP	$	394.50

Interlocking using cables (*)

Choose 2 adaptation fixtures (1 for each device) + 1 set of cables			Price (S$)
1 adaptation fixture for MasterPact MTZ1 fixed devices	LV833200SP	$	616.50
1 adaptation fixture for MasterPact MTZ1 drawout devices	LV833201SP	$	616.50
1 set of 2 cables	LV833209SP	$	261.50

(*) Can be used with any combination of MTZ1 or MTZ2/3, fixed or drawout devices.

Other circuit breaker accessories

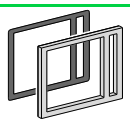
Mechanical operation counter

DB117057

			Price (S$)
Operation counter CDM	LV833895	$	418.00

Escutcheon and accessories

DB117056



Escutcheon

DB117055

Cover

DB117053

Blanking plate

Fixed			Drawout		Price (S$)
LV833718SP	$	92.50	LV833857SP	$	264.00
			LV833859SP	$	628.50
			LV833858SP	$	165.00

unit price (excl. GST in Singapore Dollars)

Accessories for Micrologic control units

External sensors

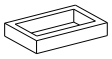
External sensor for earth-leakage protection (TCE)

DB117054

				Price (S$)
Sensor rating 400/1600 A **(for Micrologic P and H with 3P devices)**		**LV833576SP**	$	*1,701.50*

Rectangular sensor for earth-leakage protection

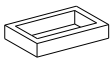
DB117089



				Price (S$)
280 mm x 115 mm		**LV833573SP**	$	*4,794.50*

Source ground return (SGR) earth fault protection

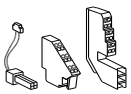
DB117089



				Price (S$)
External sensor (SGR)		**LV833579SP**	$	*1,589.00*
MDGF summing module		**LV848891SP**	$	*1,995.00*

Voltage measurement input (for breakers supplied via bottom terminals)

DB117088



				Price (S$)
Voltage measurement input	Fixed	**LV847506**	$	*234.50*
	Drawout	**LV847507**	$	*208.50*

Voltage power supply module (VPS) for Micrologic X

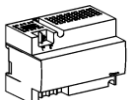
DB117087

			Price (S$)
Voltage power supply module	**LV850060**	$	*703.00*

Zone Selective Interlocking option for Micrologic X

ZSI	Standard

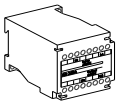
External power supply module (AD)



			Price (S$)
24/30 V DC	**LV454440**	$	*901.00*
48/60 V DC	**LV454441**	$	*901.00*
100/125 V DC	**LV454442**	$	*901.00*
110/130 V AC	**LV454443**	$	*625.00*
200/240 V AC	**LV454444**	$	*505.00*

Battery module (BAT)

DB117095



			Price (S$)
1 battery 24 V	**54446**	$	*1,351.50*

Test & Commissioning equipment

USB Cable (mini USB/USB) for Micrologic X

DB1170

			Price (S$)
USB cable	**LV850067SP**	$	*105.50*

Mobile PowerPack for Micrologic X (by APC)

DB117093

			Price (S$)
Mobile PowerPack	**LV850055SP**	$	*290.00*

Special settings

Sensor rating

To be specified when ordering

Rating	NT06	NT08	NT12	NT16
400	b	b		
630		b	b	
800			b	b
1000			b	b
1250				b
1600				b

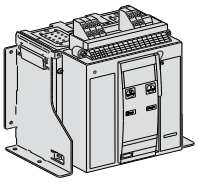
Fixed switch-disconnectors
Switch-disconnectors

unit price (excl. GST in Singapore Dollars)

A MasterPact fixed switch-disconnector is described by 3 catalogue numbers corresponding to:
> the basic switch-disconnector
> a top connection
> a bottom connection.
A communication option and various auxiliaries and accessories may also be added.

Supplied as standard with the breaker frame are:
>4 auxiliary contacts (4xOF)

DB117086



Basic switch-disconnector

Type HA

	In (A at 40 °C)	Icm (kA peak for U = 220/690 V)	3P		Price (S$)	4P		Price (S$)
MTZ1 06	630	60	**LV847159**	$	*3,393.00*	**LV847160**	$	*4,641.50*
MTZ1 08	800	60	**LV847161**	$	*3,655.50*	**LV847162**	$	*4,929.00*
MTZ1 10	1000	60	**LV847163**	$	*3,971.00*	**LV847164**	$	*5,501.50*
MTZ1 12	1250	60	**LV847165**	$	*4,852.00*	**LV847166**	$	*6,471.50*
MTZ1 16	1600	60	**LV847167**	$	*5,395.00*	**LV847168**	$	*7,164.00*

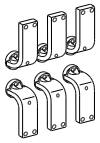
Fixed switch-disconnectors
Connections

unit price (excl. GST in Singapore Dollars)

***n** : new reference*

Front connection

DB117100



		3P	Price (S$)	4P	Price (S$)
250/630-1600 A	Top	**LV847328**	$ 497.00	**LV847330**	$ 655.00
	Bottom	**LV847329**	$ 497.00	**LV847331**	$ 655.00

Front connection accessories

Vertical connection adapters 250/630-1600 A

DB117080

		Price (S$)
3P (3 parts)	**LV833642SP**	$ 778.00
4P (4 parts)	**LV833643SP**	$ 1,033.00

Interphase barriers

DB117109

		Price (S$)
3P/4P top (3 parts)	**LV833648SP**	$ 168.50
3P/4P bottom (3 parts)	**LV833648SP**	$ 168.50

Rear connection

Vertical connection

DB117077

		3P	Price (S$)	4P	Price (S$)
630-1600 A	Top	**LV833604**	$ 419.50	**LV833614**	$ 550.50
	Bottom	**LV833605**	$ 419.50	**LV833615**	$ 550.50

Horizontal connection

DB117076

		3P	Price (S$)	4P	Price (S$)
630-1600 A	Top	**LV833606**	$ 419.50	**LV833616**	$ 550.50
	Bottom	**LV833607**	$ 419.50	**LV833617**	$ 550.50

Rear connection accessories

DB117109

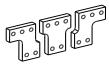
Interphase barriers

		Price (S$)
3P/4P top (3 parts)	**LV833648SP**	$ 168.50
3P/4P bottom (3 parts)	**LV833648SP**	$ 168.50

Common accessories for front and rear connection

Spreaders

DB117075



			Price (S$)
250/630-1600 A	3P	**LV833622SP**	$ 529.50
	4P	**LV833623SP**	$ 705.00

For front and horizontal rear connection

Cable lug adapters 250/630-1600 A

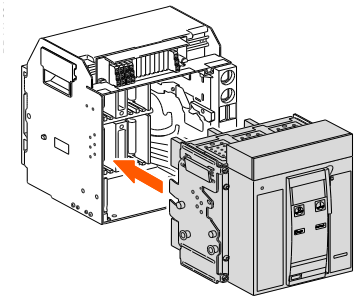
DB117079

			Price (S$)
n	3P (3 parts)	**LV833644SP**	$ 625.50
n	4P (4 parts)	**LV833645SP**	$ 828.50

Fixed switch-disconnectors
Switch-disconnectors

unit price (excl. GST in Singapore Dollars)

A MasterPact drawout switch-disconnector is described by 4 catalogue numbers corresponding to:
> the basic switch-disconnector
> a chassis
> a top connection
> a bottom connection.
A communication option and various auxiliaries and accessories may also be added.
Supplied as standard with the breaker Frame are:
>4 auxiliary contacts (4xOF)



Basic switch-disconnector

Type HA

	In (A at 40 °C)	Icm (kA peak for U = 220/690 V)	3P		Price (S$)	4P		Price (S$)
MTZ1 06	630	75	**LV847248**	$	*2,847.50*	**LV847249**	$	*3,693.00*
MTZ1 08	800	75	**LV847250**	$	*3,164.00*	**LV847251**	$	*4,136.50*
MTZ1 10	1000	75	**LV847252**	$	*3,583.50*	**LV847253**	$	*4,588.50*
MTZ1 12	1250	75	**LV847254**	$	*4,377.50*	**LV847255**	$	*5,753.00*
MTZ1 16	1600	75	**LV847256**	$	*4,833.50*	**LV847257**	$	*6,781.50*

Chassis

	3P		Price (S$)	4P		Price (S$)
630/1250 A	**LV833722**	$	*2,301.00*	**LV833725**	$	*2,857.00*
1600 A	**LV833723**	$	*2,799.00*	**LV833726**	$	*3,579.00*

Chassis terminal blocks

Standard Terminal Blocks

Each chassis comes equipped in standard with the terminal blocks corresponding to the customer functions below
- the basic device : OF1, OF2, OF3, OF4, SDE1, UC3 (UC3 for 3P chassis only, not for 4P)
- the MicroLogic control unit : UC1, UC2
- the 5 most common accessories : MN/MX2, MX1, XF, PF, MCH.

Additional Terminal Blocks

If the device is equipped with one or a combination of the following 3 additional accessories:
- SDE2/RES
- M2C/ESM
- PTE

all the necessary chassis terminal blocks are coded by one of the part numbers below :

			Price (S$)
Chassis terminal block for PTE	**LV839461**	$	*24.00*
Chassis terminal block for SDE2	**LV839462**	$	*24.00*
Chassis terminal blocks for PTE + SDE2	**LV839463**	$	*49.00*
Chassis terminal block for M2C/ESM	**LV839464**	$	*24.00*
Chassis terminal blocks for SDE2 + M2C/ESM	**LV839465**	$	*49.00*

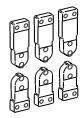
Drawout switch-disconnectors
Connections

unit price (excl. GST in Singapore Dollars)

***n** : new reference*

Chassis front connection

DB117068

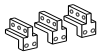


		3P		Price (S$)	4P		Price (S$)
250/630-1600 A	Top	**LV833727**	$	*382.50*	**LV833733**	$	*498.50*
	Bottom	**LV833728**	$	*351.00*	**LV833734**	$	*457.50*

Front connection accessories

Vertical connection adapters 250/630-1600 A

DB117080



			Price (S$)
3P (3 parts)	**LV833642SP**	$	*778.00*
4P (4 parts)	**LV833643SP**	$	*1,033.00*

Chassis rear connection

Vertical connection

DB117077

		3P		Price (S$)	4P		Price (S$)
630-1600 A	Top	**LV833729**	$	*397.50*	**LV833735**	$	*503.50*
	Bottom	**LV833730**	$	*397.50*	**LV833736**	$	*503.50*

Horizontal connection

DB117076

		3P		Price (S$)	4P		Price (S$)
630-1600 A	Top	**LV833731**	$	*236.50*	**LV833737**	$	*316.00*
	Bottom	**LV833732**	$	*236.50*	**LV833738**	$	*316.00*

Rear connection accessories

DB117078

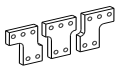
Interphase barriers

			Price (S$)
3P/4P (3 parts)	**LV833768SP**	$	*150.50*

Common accessories for front and rear connection

Spreaders

DB117075



				Price (S$)
630-1600 A	3P	**LV833622SP**	$	*529.50*
	4P	**LV833623SP**	$	*705.00*

For front and horizontal rear connection

Cable lug adapters 250/630-1600 A

DB117079

				Price (S$)
n	3P (3 parts)	**LV833644SP**	$	*625.50*
n	4P (4 parts)	**LV833645SP**	$	*828.50*

Connection

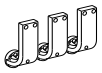
unit price (excl. GST in Singapore Dollars)

Connection

Fixed circuit breakers

Front connection / Replacement kit (3 or 4 parts)

DB404388



		3P	Price (S$)	4P	Price (S$)
Top or bottom	630-1600 A	**LV847069SP**	$ 460.50	**LV847070SP**	$ 598.50

Rear connection (vertical or horizontal mounting) / Replacement kit (3 or 4 parts)

DB402835

Vert. mounting.

DB402836

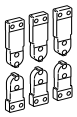
Horiz. mounting.

	3P	Price (S$)	4P	Price (S$)
630-1600 A	**LV833584SP**	$ 421.50	**LV833585SP**	$ 550.50

Drawout circuit breakers

Front connection / Replacement kit (6 or 8 parts)

DB402869



		3P	Price (S$)	4P	Price (S$)
Top and bottom	630-1600 A	**LV833588SP**	$ 724.00	**LV833589SP**	$ 967.50

Rear connection (vertical or horizontal mounting) / Replacement kit (3 or 4 parts)

DB402835

Vert. mounting

DB402836

Horiz. mounting.

	3P	Price (S$)	4P	Price (S$)
630-1600 A	**LV833586SP**	$ 397.50	**LV833587SP**	$ 522.50

Connection accessories

Vertical connection adapters 630-1600 A / Replacement kit (3 or 4 parts)

DB404

	3P	Price (S$)	4P	Price (S$)
For fixed and drawout front-connected circuit breakers	**LV833642SP**	$ 778.00	**LV833643SP**	$ 1,033.00

Cable lug adapters 630-1600 A / Replacement kit (3 or 4 parts)

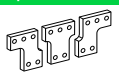
DB404390

DB380845R

	3P	Price (S$)	4P	Price (S$)
For fixed and drawout front-connected circuit breakers	**LV833644SP**	$ 625.50	**LV833645SP**	$ 828.50
Threaded rod + spacers for securing the cable lug adapters	**LVS04691**	$ 177.50	**LVS04691**	$ 177.50

Spreaders / Replacement kit 630-1600 A (3 or 4 parts)

DB404



	3P	Price (S$)	4P	Price (S$)
For fixed and drawout front and rear-connected circuit breakers	**LV833622SP**	$ 529.50	**LV833623SP**	$ 705.00

Interphase barriers / Replacement kit (3 or 4 parts)

DB404392

	3P	Price (S$)	4P	Price (S$)
For fixed front and rear-connected circuit breakers (take 2 kits : 1 for the top, 1 for the buttom connections)	**LV833648SP**	$ 168.50	**LV833648SP**	$ 168.50
For drawout rear-connected circuit breakers (the same kit covers the top and the bottom connections on the same time)	**LV833768SP**	$ 150.50	**LV833768SP**	$ 150.50

Arc chute screen (1 part)

DB

	3P	Price (S$)	4P	Price (S$)
For fixed front-connected circuit breakers	**LV847335SP**	$ 175.00	**LV847336SP**	$ 223.00

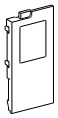
Micrologic X control unit, communication option, accessories

unit price (excl. GST in Singapore Dollars)

Replacement parts for Micrologic X control units

Micrologic X embedded display (EHMI)

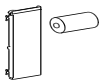
DB421423



				Price (S$)
Micrologic X embedded display & wireless card		**LV850054SP**	$	*958.50*

Micrologic X Battery + Transparent cover

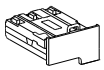
DB421424



				Price (S$)
Battery (1 part)		**LV833593SP**	$	*201.00*
Transparent Cover (1 part)	For Micrologic X	**LV850053SP**	$	*30.50*

Voltage power supply module (VPS) for Micrologic X

DB421408



			Price (S$)
Voltage power supply module (VPS) for Micrologic X	**LV850060SP**	$	*696.00*

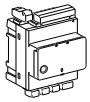
Communication option

DB421425

DB421426

				Price (S$)
EIFE	Embedded Ethernet interface for LV breaker	**LV851100SP**	$	*1,419.50*
IFM	Modbus interface	**LV434000**	$	*424.50*
IFE	Ethernet interface for LV breaker	**LV434001**	$	*901.50*
	Ethernet interface for LV breakers and gateway	**LV434002**	$	*1,366.00*

DB421427

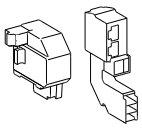


DB424664

I/O application module	**LV434063**	$	*895.00*
Microswitches for MTZ1	**LV847906SP**	$	*239.50*
EIFE Acessories spare part kit for MTZ1-drawout	**LV851120SP**	$	*345.50*

ULP port modules

DB421348



			Price (S$)
ULP port - for MasterPact MTZ1 - fixed	**LV850063SP**	$	*875.00*
ULP port - for MasterPact MTZ1 - drawout	**LV850064SP**	$	*352.00*

Accessories

External sensors

External sensor for earth-fault protection (TCE) / 1 part

DB421429

				Price (S$)
Sensor rating	400/1600 A	**LV833576SP**	$	*1,701.50*

Source ground return (SGR) earth-fault protection / 1 part

DB421430

			Price (S$)
External sensor (SGR)	**LV833579SP**	$	*1,589.00*
MDGF summing module	**LV848891SP**	$	*1,995.00*

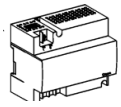
Rectangular sensor for earth-leakage protection + Vigi cable / 1 part (up to 3200 A)

DB117082

			Price (S$)
280 mm x 115 mm	**LV833573SP**	$	*4,794.50*
470 mm x 160 mm	**LV833574SP**	$	*4,321.50*

External power supply module (AD) / 1 part

DB421409



			Price (S$)
24-30 V DC	**LV454440**	$	*901.00*
48-60 V DC	**LV454441**	$	*901.00*
100-125 V DC	**LV454442**	$	*901.00*
110-130 V AC	**LV454443**	$	*625.00*
200-240 V AC	**LV454444**	$	*505.00*

USB Cable (miniUSB/USB) for Micrologic X / 1 part

DB421410

			Price (S$)
USB Cable (miniUSB/USB) for Micrologic X / 1 part	**LV850067SP**	$	*105.50*

Mobile Powerpack for Micrologic X (by APC) / 1 part

DB4214

			Price (S$)
Mobile Powerpack for Micrologic X (by APC) / 1 part	**LV850055SP**	$	*290.00*

Communication, monitoring and control

unit price (excl. GST in Singapore Dollars)

Accessories for Diagnostics & Communicating Releases

DB421434

			Price (S$)
Isolation module - for MX1/XF communicating coils	**LV850056SP**	*$*	*829.50*

Monitoring and control

Ethernet display module

DB417469

			Price (S$)
Switchboard front display module FDM128	**LV434128**	*$*	*1,673.50*

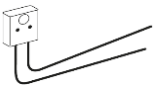
ULP wiring accessories [1]

DB127985

			Price (S$)
Breaker ULP cord L = 0.35 m	**LV434195**	*$*	*16.50*
Breaker ULP cord L = 1.3 m	**LV434196**	*$*	*25.50*
Breaker ULP cord L = 3 m	**LV434197**	*$*	*48.00*
Breaker ULP cord L = 5 m	**LV434198**	*$*	*209.00*

DB

Connector Modbus adaptor	**LV434211**	*$*	*201.00*



10 Modbus line terminators ***	**VW3A8306DRC**	*$*	*29.15*

DB111444

5 RJ45 connectors female/female	**TRV00870**	*$*	*126.00*

10 ULP line terminators	**TRV00880**	*$*	*56.50*

10 RJ45/RJ45 male cord L = 0.3 m	**TRV00803**	*$*	*103.00*
10 RJ45/RJ45 male cord L = 0.6 m	**TRV00806**	*$*	*143.50*
5 RJ45/RJ45 male cord L = 1 m	**TRV00810**	*$*	*94.00*
5 RJ45/RJ45 male cord L = 2 m	**TRV00820**	*$*	*155.00*
5 RJ45/RJ45 male cord L = 3 m	**TRV00830**	*$*	*199.00*
1 RJ45/RJ45 male cord L = 5 m	**TRV00850**	*$*	*61.00*

DB421435

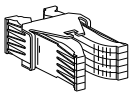
[1] For measurement display with Micrologic x.
[***] See Telemecanique catalogue.

Clusters
NT chassis retrofit to MTZ1

unit price (excl. GST in Singapore Dollars)

Clusters

DB403280



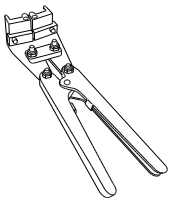
X 6

			Price (S$)
Kit of 6 disconnecting contact clusters for chassis (see table below)	**LV864906SP**	*$*	*298.00*

Table : number of clusters required for the different chassis models

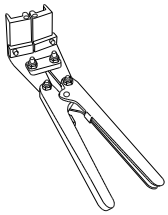
Chassis rating (A)	MasterPact MTZ1	
	3P	4P
630	**12**	**18**
800	**12**	**18**
1000	**12**	**18**
1250	**12**	**18**
1600	**18**	**24**

DB417990



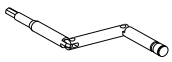
Set of 2 clusters fitters for 2 and 3 clusters	**47554**	*$*	*21,219.00*

DB418007



Racking handle / 1 part

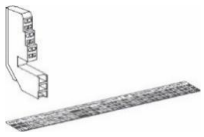
DB403281



			Price (S$)
Racking handle	**LV847098SP**	*$*	*109.50*

NT chassis retrofit to MTZ1

DB431651



			Price (S$)
Kit for retrofitting an NT chassis for MTZ1 moving part	**LV850066SP**	*$*	*176.00*

For more information: retrofit kit instruction sheet (QGH31933)

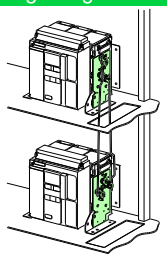
Mechanical interlocking for source changeover

unit price (excl. GST in Singapore Dollars)

Mechanical interlocking for source changeover

Interlocking using connecting rods

DB421418

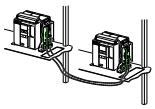


Choose 1 set of 2 adaptation fixtures + 1 set of rods			Price (S$)
1 set of 2 adaptation fixtures for MasterPact MTZ1 fixed devices	**LV833203SP**	$	*837.00*
1 set of 2 adaptation fixtures for Msterpact MTZ1 drawout devices	**LV833204SP**	$	*848.50*
1 set of 2 interlocking rods	**LV833210SP**	$	*394.50*

Note: *the installation manual is enclosed.*

Interlocking using cables [1]

DB421419

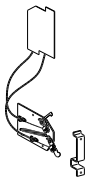


Choose 2 adaptation fixtures (1 for each device) + 1 set of cables			Price (S$)
1 adaptation fixture for MasterPact MTZ1 fixed devices	**LV833200SP**	$	*616.50*
1 adaptation fixture for MasterPact MTZ1 drawout devices	**LV833201SP**	$	*616.50*
1 set of 2 cables	**LV833209SP**	$	*261.50*

[1] Can be used with any combination of MTZ1 or MTZ2/3, fixed or drawout devices.

Cable-type door interlock

DB402867



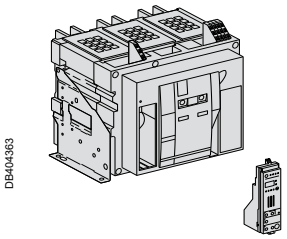
			Price (S$)
1 complete assembly for MasterPact MTZ1 fixed devices	**LV833920SP**	$	*1,215.50*
1 complete assembly for MasterPact MTZ1 drawout devices	**LV833921SP**	$	*1,252.00*

Note: the installation manual is enclosed.

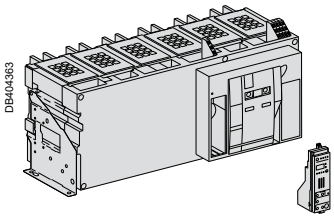
Fixed Circuit Breakers

unit price (excl. GST in Singapore Dollars)

A MasterPact MTZ2/3 X fixed circuit breaker is described by minimum below catalogue numbers corresponding to:
> the basic circuit breaker
> a control unit
> a top connection
> a bottom connection.
> a sensor plug
> a COM wiring and microswitches
A communication option and various auxiliaries and accessories may also be added.
Refer to product selector as final configuration



Basic circuit breaker MTZ 2 type



Basic circuit breaker MTZ 3 type

[1] Select a 4P basic circuit breaker with neutral on the right.
All other catalogue numbers are unchanged.

[2] Micrologic 7.0X with Earth Leakage protection is available only for MTZ 2 up

Basic circuit breaker

Type N1

	In (A at 40 °C)	Icu (kA @ 220/440 V) - Ics = 100 % Icu	3P		Price (S$)	4P		Price (S$)
MTZ2 08	800	42	**LV848000**	$	*3,844.00*	**LV848007**	$	*5,092.50*
MTZ2 10	1000	42	**LV848014**	$	*3,872.50*	**LV848021**	$	*5,674.00*
MTZ2 12	1250	42	**LV848028**	$	*4,610.00*	**LV848035**	$	*6,269.50*
MTZ2 16	1600	42	**LV848042**	$	*5,148.50*	**LV848049**	$	*6,979.50*

Type H1

	In (A at 40 °C)	Icu (kA @ 220/440 V) - Ics = 100 % Icu	3P		Price (S$)	4P		Price (S$)
MTZ2 08	800	66	**LV848001**	$	*3,716.00*	**LV848008**	$	*5,417.50*
MTZ2 10	1000	66	**LV848015**	$	*4,270.50*	**LV848022**	$	*5,853.00*
MTZ2 12	1250	66	**LV848029**	$	*4,794.00*	**LV848036**	$	*6,916.50*
MTZ2 16	1600	66	**LV848043**	$	*5,332.00*	**LV848050**	$	*7,640.00*
MTZ2 20	2000	66	**LV848057**	$	*5,567.00*	**LV848064**	$	*9,113.00*
MTZ2 25	2500	66	**LV848070**	$	*8,167.00*	**LV848076**	$	*10,895.00*
MTZ2 32	3200	66	**LV848082**	$	*9,986.50*	**LV848087**	$	*13,221.50*
MTZ2 40	4000	66	**LV848092**	$	*15,107.50*	**LV848097**	$	*19,741.00*
MTZ3 40	4000	100	**LV848106**	$	*22,183.50*	**LV848109**	$	*28,713.50*
MTZ3 50	5000	100	**LV848112**	$	*37,041.50*	**LV848115**	$	*47,735.50*
MTZ3 63	6300	100	**LV848118**	$	*46,536.50*	**LV848121**	$	*60,164.00*

Type H2

	In (A at 40 °C)	Icu (kA @ 220/440 V) - Ics = 100 % Icu	3P		Price (S$)	4P		Price (S$)
MTZ2 08	800	100	**LV848002**	$	*4,689.00*	**LV848009**	$	*6,845.50*
MTZ2 10	1000	100	**LV848016**	$	*5,426.00*	**LV848023**	$	*7,360.00*
MTZ2 12	1250	100	**LV848030**	$	*6,399.50*	**LV848037**	$	*8,612.00*
MTZ2 16	1600	100	**LV848044**	$	*7,108.50*	**LV848051**	$	*9,473.50*
MTZ2 20	2000	100	**LV848058**	$	*7,151.00*	**LV848065**	$	*11,021.00*
MTZ2 25	2500	100	**LV848071**	$	*9,714.00*	**LV848077**	$	*12,875.00*
MTZ2 32	3200	100	**LV848083**	$	*12,087.00*	**LV848088**	$	*15,859.00*
MTZ2 40	4000	100	**LV848093**	$	*18,301.50*	**LV848098**	$	*23,743.50*
MTZ3 40	4000	150	**LV848107**	$	*26,549.50*	**LV848110**	$	*34,304.00*
MTZ3 50	5000	150	**LV848113**	$	*44,027.50*	**LV848116**	$	*56,949.00*
MTZ3 63	6300	150	**LV848119**	$	*55,273.00*	**LV848122**	$	*71,403.50*

Type H2V - Rated operational voltage limited to 440V AC

	In (A at 40 °C)	Icu (kA @ 220/440 V) - Ics = 100 % Icu	3P		Price (S$)	4P		Price (S$)
MTZ2 08	800	100	**LV846160**	$	*5,208.50*	**LV846180**	$	*7,602.50*
MTZ2 10	1000	100	**LV846161**	$	*6,028.50*	**LV846181**	$	*8,175.50*
MTZ2 12	1250	100	**LV846162**	$	*7,108.00*	**LV846182**	$	*9,565.00*
MTZ2 16	1600	100	**LV846163**	$	*7,896.00*	**LV846183**	$	*10,522.50*
MTZ2 20	2000	100	**LV846164**	$	*7,942.00*	**LV846184**	$	*12,490.50*
MTZ2 25	2500	100	**LV846165**	$	*11,001.00*	**LV846185**	$	*14,573.50*
MTZ2 32	3200	100	**LV846166**	$	*13,695.00*	**LV846186**	$	*17,958.50*
MTZ2 40	4000	100	**LV846167**	$	*20,727.50*	**LV846187**	$	*26,892.50*

Micrologic X control unit

"Class1 IEC 61557-12 certified power meter "

		3P/4P		Price (S$)
Micrologic 2.0 X	basic protection	**LV847280**	$	*1,724.00*
Micrologic 5.0 X	selective protection	**LV847283**	$	*2,482.00*
Micrologic 6.0 X	selective + earth-fault protection	**LV847288**	$	*3,529.50*
Micrologic 7.0 X [2]	selective + earth-leakage protection	**LV847287**	$	*5,924.00*

Digital modules option

		3P/4P		Price (S$)
	Energy per phase	**LV850002**	$	*169.50*
	Waveform capture on trip event	**LV850003**	$	*1,184.00*
	Power restoration assistant	**LV850004**	$	*457.00*
	MasterPact operation assistant	**LV850005**	$	*298.50*
	Individual harmonics analysis" for Micrologic X	**LV850006**	$	*1,177.00*
	ANSI 51N/51G - Ground fault alarm	**LV850007**	$	*1,265.00*
	ERMS - Energy Reduction Maintenance Settings	**LV850009**	$	*416.60*
	ANSI 32P - Reverse active power	**LV850011**	$	*1,067.00*
	ANSI 27/59 - Under/Over voltage	**LV850012**	$	*1,067.00*
	ANSI 81 - Under/Over frequency protection	**LV850013**	$	*1,017.00*
New!	ANSI 67 - Directional overcurrent	**LV850015**	$	*1,994.50*
New!	ANSI 51 - IDMTL overcurrent protection	**LV850037**	$	*2,656.50*
	Modbus legacy dataset	**LV850045**	$	*366.50*
New!	IEC 61850 for MasterPact MTZ	**LV850046**	$	*3,155.50*

Note 1: Schneider Electric highly recommends the usage of either a Voltage Power Supply (VPS) or External 24Vdc power supply to power up the MasterPact MTZ MicroLogic X. Below 20 % of the rated current an external power supply 24Vdc or the VPS module is needed to ensure the proper operation and all the specified performances of MicroLogic X (measurement, diagnosis, display and communication functions).

Note 2: The basic functions of protection (LSIG) do not require any external power supply.

Fixed Circuit Breakers
Connections

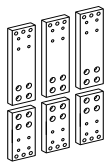
unit price (excl. GST in Singapore Dollars)

Communication option

				Price (S$)
ULP Port		**LV850061**	$	*212.00*
IFE	Ethernet interface for LV breaker	**LV434001**	$	*901.50*
	Ethernet interface for LV breakers and gateway	**LV434002**	$	*1,366.00*
I/O application module		**LV434063**	$	*895.00*

Front connection

DB404364



		3P		Price (S$)	4P		Price (S$)
250/800-1600 A	Top	**LV848128**	$	*504.50*	**LV848153**	$	*662.50*
	Bottom	**LV848130**	$	*504.50*	**LV848155**	$	*662.50*
2000 A	Top	**LV848124**	$	*504.50*	**LV848126**	$	*662.50*
	Bottom	**LV848125**	$	*504.50*	**LV848127**	$	*662.50*
2500/3200 A	Top	**LV848129**	$	*851.00*	**LV848154**	$	*1,134.00*
	Bottom	**LV848131**	$	*851.00*	**LV848156**	$	*1,134.00*

Interphase barriers

DB404365

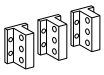
Disconnectable front connection

	3P		Price (S$)	4P		Price (S$)
1600 A	**LV848421SP**	$	*798.00*	**LV848424SP**	$	*1,044.00*
2000/3200 A	**LV848422SP**	$	*952.50*	**LV848425SP**	$	*1,244.00*

Rear connection

Vertical connection

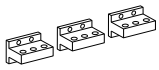
DB404366



		3P		Price (S$)	4P		Price (S$)
250/800-2000 A	Top	**LV848133**	$	*272.00*	**LV848158**	$	*362.50*
800-1600 A type L1	Bottom	**LV848138**	$	*272.00*	**LV848163**	$	*362.50*
2500/3200 A	Top	**LV848134**	$	*277.00*	**LV848159**	$	*367.00*
2000 A types H3/L1	Bottom	**LV848139**	$	*277.00*	**LV848164**	$	*367.00*
4000 A	Top	**LV848135**	$	*636.00*	**LV848160**	$	*827.50*
	Bottom	**LV848140**	$	*636.00*	**LV848165**	$	*827.50*
4000b/5000 A	Top	**LV848136**	$	*668.00*	**LV848161**	$	*881.50*
	Bottom	**LV848141**	$	*668.00*	**LV848166**	$	*824.00*
6300 A	Top	**LV848137**	$	*881.50*	**LV848162**	$	*1,193.50*
	Bottom	**LV848142**	$	*881.50*	**LV848167**	$	*1,193.50*

Horizontal connection

DB404367



		3P		Price (S$)	4P		Price (S$)
800-2000 A	Top	**LV848143**	$	*269.00*	**LV848168**	$	*362.50*
800-1600 A type L1	Bottom	**LV848148**	$	*269.00*	**LV848173**	$	*362.50*
2500/3200 A	Top	**LV848144**	$	*269.00*	**LV848169**	$	*362.50*
2000 A types H3/L1	Bottom	**LV848149**	$	*269.00*	**LV848174**	$	*362.50*
4000 A	Top	**LV848145**	$	*629.50*	**LV848170**	$	*827.50*
	Bottom	**LV848150**	$	*629.50*	**LV848175**	$	*827.50*
4000b/5000 A	Top	**LV848146**	$	*662.50*	**LV848171**	$	*890.00*
	Bottom	**LV848151**	$	*662.50*	**LV848176**	$	*890.00*

Rear connection accessories

Interphase barriers

DB404368

			Price (S$)	
3P/4P (3 parts)	**LV848599SP**	$	*431.00*	

Brackets for mounting on a backplate

DB404369

			Price (S$)	
2 parts	**LV847829**	$	*134.00*	

Grounding kit

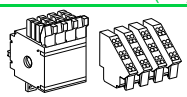
			Price (S$)	
Grounding kit for MasterPact NW fixed	**LV848558**	$	*144.50*	

Fixed Circuit Breakers
Indication contacts & Remote operation

unit price (excl. GST in Singapore Dollars)

ON/OFF indication contacts (OF)

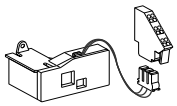
DB404314



Block of 4 changeover contacts (6 A - 240 V)	1 block (standard)		**Price (S$)**
1 additional block of 4 contacts (2 max.)	**LV848198**	*$*	*370.00*

"Fault trip" indication contacts (SDE)

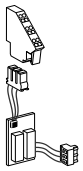
DB404315



Changeover contact (6 A - 240 V)	1 (standard)		**Price (S$)**
1 additional SDE (6 A - 240 V)	**LV848200**	*$*	*126.00*
1 additional low-level SDE	**LV848201**	*$*	*126.00*

Programmable contacts (*) **(programmed via Micrologic control unit)**

DB404370

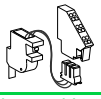


M2C

			Price (S$)
2 contacts M2C (5 A - 240 V)	**LV847403**	*$*	*195.50*

"Ready to close" contact (1 max.)

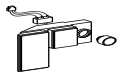
DB404318



	PF		**Price (S$)**
1 changeover contact (5 A - 240 V)	**LV847342**	*$*	*201.00*
1 low-level changeover contact	**LV847343**	*$*	*201.00*

Electrical closing pushbutton

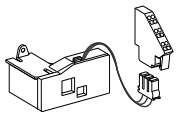
DB404319



	BPFE		**Price (S$)**
1 pushbutton	**LV848534**	*$*	*203.00*

Remote reset after fault trip

DB404315



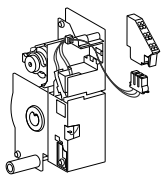
Electrical reset	**RES**		**Price (S$)**
110/130 V AC	**LV848202**	*$*	*395.00*
220/240 V AC	**LV848203**	*$*	*395.00*
Automatic reset	**RAR**		
Adaptation	**LV847346**	*$*	*58.00*

unit price (excl. GST in Singapore Dollars)

Remote ON/OFF

Gear motor

DB404316



		MCH		Price (S$)
AC 50/60 Hz	48 V	**LV848207**	$	*1,996.00*
	100/130 V	**LV848211**	$	*1,996.00*
	200/240 V	**LV848212**	$	*1,996.00*
	250/277 V	**LV848213**	$	*1,996.00*
	380/415 V	**LV848214**	$	*1,996.00*
	440/480 V	**LV848215**	$	*1,996.00*
DC	24/30 V	**LV848206**	$	*1,996.00*
	48/60 V	**LV848207**	$	*1,996.00*
	100/130 V	**LV848208**	$	*1,996.00*
	200/250 V	**LV848209**	$	*1,996.00*

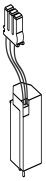
Instantaneous voltage releases

DB404317

		Closing release			Opening release		
Standard		**XF**		**Price (S$)**	**MX**		**Price (S$)**
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV847350**	$	*275.50*	**LV847360**	$	*275.50*
DC	48/60 V DC, 48 V AC	**LV847351**	$	*275.50*	**LV847361**	$	*275.50*
	100/130 V AC/DC	**LV847352**	$	*275.50*	**LV847362**	$	*275.50*
	200/250 V AC/DC	**LV847353**	$	*275.50*	**LV847363**	$	*275.50*
	277 V AC	**LV847354**	$	*275.50*	**LV847364**	$	*275.50*
	380/480 V AC	**LV847355**	$	*275.50*	**LV847365**	$	*275.50*
Diagnostics & Communicating		**XF diag & com**		**Price (S$)**	**MX diag & com**		**Price (S$)**
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV847311**	$	*335.50*	**LV847321**	$	*335.50*
DC	48/60 V DC, 48 V AC	**LV847312**	$	*335.50*	**LV847322**	$	*335.50*
	100/130 V AC/DC	**LV847313**	$	*335.50*	**LV847323**	$	*335.50*
	200/250 V AC/DC	**LV847314**	$	*335.50*	**LV847324**	$	*335.50*
	277 V AC	**LV847315**	$	*335.50*	**LV847325**	$	*335.50*
	380/480 V AC	**LV847316**	$	*335.50*	**LV847326**	$	*335.50*

DB404318

DB404319



DB404315

		Opening release		
Standard		**MN**		**Price (S$)**
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV847380**	$	*275.50*
DC	48/60 V DC, 48 V AC	**LV847381**	$	*275.50*
	100/130 V AC/DC	**LV847382**	$	*275.50*
	200/250 V AC/DC	**LV847383**	$	*275.50*
	380/480 V AC	**LV847385**	$	*275.50*
Diagnostics & Communicating				
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV836700**	$	*366.50*
DC	48/60 V DC, 48 V AC	**LV836701**	$	*366.50*
	100/130 V AC/DC	**LV836702**	$	*366.50*
	200/250 V AC/DC	**LV836703**	$	*366.50*
	380/480 V AC	**LV836704**	$	*366.50*

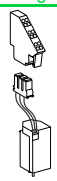
Isolation module for Communicating Coils

		Price (S$)
Isolation module for COM coils	**LV850056**	$ *758.00*

Remote tripping

Instantaneous voltage release

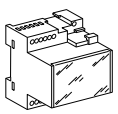
DB1404317



		2nd MX (*)		Price (S$)
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV847370**	$	*275.50*
DC	48/60 V DC, 48 V AC	**LV847371**	$	*275.50*
	100/130 V AC/DC	**LV847372**	$	*275.50*
	200/250 V AC/DC	**LV847373**	$	*275.50*
	277 V AC	**LV847374**	$	*275.50*
	380/480 V AC	**LV847375**	$	*275.50*

MN delay unit

DB404320



		R (non-adjustable)		Price (S$)	Rr (adjustable)		Price (S$)
AC 50/60 Hz	48/60 V AC/DC				**LV833680SP**	$	*649.00*
DC	100/130 V AC/DC	**LV833684SP**	$	*507.50*	**LV833681SP**	$	*649.00*
	200/250 V AC/DC	**LV833685SP**	$	*507.50*	**LV833682SP**	$	*649.00*
	380/480 V AC/DC				**LV833683SP**	$	*649.00*

(*) Exclusive option between 2nd MX or MN coils

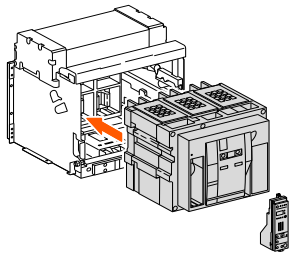
Drawout Circuit Breakers
Circuit breakers

unit price (excl. GST in Singapore Dollars)

A MasterPact MTZ2/3 X drawout circuit breaker is described by minimum below catalogue numbers corresponding to:
> the basic circuit breaker
> a control unit
> a chassis
> a top connection
> a bottom connection
> a sensor plug
> a COM wiring and microswitches
> a ULP port module

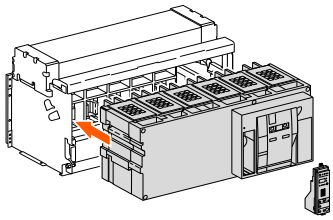
A communication option and various auxiliaries and accessories may also be added.
Refer to product selector as final configuration

DB101911



Basic circuit breaker + chassis MTZ2 Type

DB101912



Basic circuit breaker + chassis MTZ3 Type

Basic circuit breaker

Type N1

	In (A at 40 °C)	Icu/Ics (kA @ 220/440V)	Icw (kA - 1sec)	Icw (kA - 3sec)	3P		Price (S$)	4P		Price (S$)
MTZ2 08	800	42/42	42	22	**LV848230**	$	*3,630.50*	**LV848237**	$	*5,148.50*
MTZ2 10	1000	42/42	42	22	**LV848244**	$	*4,128.00*	**LV848251**	$	*5,787.00*
MTZ2 12	1250	42/42	42	22	**LV848258**	$	*4,709.50*	**LV848265**	$	*6,524.50*
MTZ2 16	1600	42/42	42	22	**LV848272**	$	*4,838.00*	**LV848279**	$	*7,618.00*

Type H1

	In (A at 40 °C)	Icu/Ics (kA @ 220/440V)	Icw (kA - 1sec)	Icw (kA - 3sec)	3P		Price (S$)	4P		Price (S$)
MTZ2 08	800	66/66	66	36	**LV848231**	$	*3,734.00*	**LV848238**	$	*5,043.50*
MTZ2 10	1000	66/66	66	36	**LV848245**	$	*4,244.00*	**LV848252**	$	*5,703.00*
MTZ2 12	1250	66/66	66	36	**LV848259**	$	*4,849.50*	**LV848266**	$	*6,449.50*
MTZ2 16	1600	66/66	66	36	**LV848273**	$	*5,538.00*	**LV848280**	$	*7,262.50*
MTZ2 20	2000	66/66	66	36	**LV848287**	$	*6,167.50*	**LV848294**	$	*7,402.00*
MTZ2 25	2500	66/66	66	66	**LV848300**	$	*8,766.50*	**LV848306**	$	*11,649.00*
MTZ2 32	3200	66/66	66	66	**LV848312**	$	*9,666.50*	**LV848317**	$	*12,720.00*
MTZ2 40	4000	66/66	66	66	**LV848322**	$	*15,341.00*	**LV848327**	$	*20,444.00*
MTZ3 40	4000	100/100	100	100	**LV848336**	$	*23,213.00*	**LV848339**	$	*30,347.00*
MTZ3 50	5000	100/100	100	100	**LV848342**	$	*42,184.00*	**LV848345**	$	*54,101.00*
MTZ3 63	6300	100/100	100	100	**LV848348**	$	*54,261.50*	**LV848351**	$	*69,392.50*

Type H2

	In (A at 40 °C)	Icu/Ics (kA @ 220/440V)	Icw (kA - 1sec)	Icw (kA - 3sec)	3P		Price (S$)	4P		Price (S$)
MTZ2 08	800	100/100	85	50	**LV848232**	$	*4,849.50*	**LV848239**	$	*6,575.50*
MTZ2 10	1000	100/100	85	50	**LV848246**	$	*5,497.00*	**LV848253**	$	*7,390.50*
MTZ2 12	1250	100/100	85	50	**LV848260**	$	*6,242.00*	**LV848267**	$	*8,358.50*
MTZ2 16	1600	100/100	85	50	**LV848274**	$	*7,277.00*	**LV848281**	$	*9,385.50*
MTZ2 20	2000	100/100	85	75	**LV848288**	$	*8,307.00*	**LV848295**	$	*10,509.00*
MTZ2 25	2500	100/100	85	75	**LV848301**	$	*10,254.50*	**LV848307**	$	*13,547.50*
MTZ2 32	3200	100/100	85	75	**LV848313**	$	*12,264.00*	**LV848318**	$	*16,189.50*
MTZ2 40	4000	100/100	85	75	**LV848323**	$	*19,525.50*	**LV848328**	$	*25,762.50*
MTZ3 40	4000	150/150	100	100	**LV848337**	$	*29,110.00*	**LV848340**	$	*38,269.00*
MTZ3 50	5000	150/150	100	100	**LV848343**	$	*51,096.00*	**LV848346**	$	*66,023.50*
MTZ3 63	6300	150/150	100	100	**LV848349**	$	*65,375.50*	**LV848352**	$	*84,298.00*

Type H3

	In (A at 40 °C)	Icu/Ics (kA @ 220/440V)	Icw (kA - 1sec)	Icw (kA - 3sec)	3P		Price (S$)	4P		Price (S$)
MTZ2 20	2000	150/150	65	65	**LV848289**	$	*12,956.50*	**LV848296**	$	*17,905.00*
MTZ2 25	2500	150/150	65	65	**LV848302**	$	*17,541.00*	**LV848308**	$	*23,058.00*
MTZ2 32	3200	150/150	65	65	**LV848314**	$	*23,855.50*	**LV848319**	$	*30,293.50*
MTZ2 40	4000	150/150	65	65	**LV848324**	$	*32,071.50*	**LV848329**	$	*41,289.50*

Type H2V - Rated operation voltage limited to 440V AC

	In (A at 40 °C)	Icu/Ics (kA @ 220/440V)	Icw (kA - 1sec)	Icw (kA - 3sec)	3P		Price (S$)	4P		Price (S$)
MTZ2 08	800	100/100	100	75	**LV846170**	$	*5,439.50*	**LV846190**	$	*7,232.50*
MTZ2 10	1000	100/100	100	75	**LV846171**	$	*6,166.50*	**LV846191**	$	*8,127.50*
MTZ2 12	1250	100/100	100	75	**LV846172**	$	*6,999.50*	**LV846192**	$	*9,195.00*
MTZ2 16	1600	100/100	100	75	**LV846173**	$	*8,004.50*	**LV846193**	$	*10,322.00*
MTZ2 20	2000	100/100	100	75	**LV846174**	$	*9,225.50*	**LV846194**	$	*11,558.00*
MTZ2 25	2500	100/100	100	75	**LV846175**	$	*11,280.00*	**LV846195**	$	*14,900.50*
MTZ2 32	3200	100/100	100	75	**LV846176**	$	*13,497.00*	**LV846196**	$	*17,809.00*
MTZ2 40	4000	100/100	100	75	**LV846177**	$	*21,681.00*	**LV846197**	$	*28,344.00*

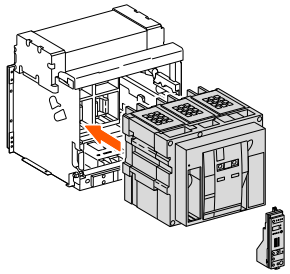
Option

Neutral on the right	[1]

[1] Select a 4P basic circuit breaker with neutral on the right.
All other catalogue numbers are unchanged.

unit price (excl. GST in Singapore Dollars)

DB101911



Basic circuit breaker + chassis MTZ2 Type

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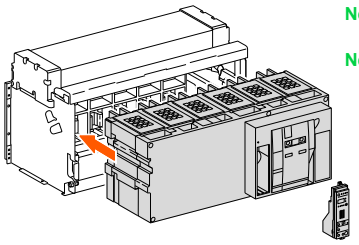


Basic circuit breaker + chassis MTZ3 Type

Micrologic X control unit

"Class1 IEC 61557-12 certified power meter "

		3P/4P	Price (S$)
Micrologic 2.0 X	basic protection	**LV848498**	$ *1,724.00*
Micrologic 5.0 X	selective protection	**LV848499**	$ *2,482.00*
Micrologic 6.0 X	selective + earth-fault protection	**LV848500**	$ *3,529.50*
Micrologic 7.0 X [2]	selective + earth-leakage protection	**LV847287**	$ *5,924.00*

Digital modules option

	3P/4P	Price (S$)
Energy per phase	**LV850002**	$ *169.50*
Waveform capture on trip event	**LV850003**	$ *1,184.00*
Power restoration assistant	**LV850004**	$ *457.00*
MasterPact operation assistant	**LV850005**	$ *298.50*
Individual harmonics analysis" for Micrologic X	**LV850006**	$ *1,177.00*
ANSI 51N/51G - Ground fault alarm	**LV850007**	$ *1,265.00*
ERMS - Energy Reduction Maintenance Settings	**LV850009**	$ *6,099.00*
ANSI 32P - Reverse active power	**LV850011**	$ *1,067.00*
ANSI 27/59 - Under/Over voltage	**LV850012**	$ *1,067.00*
ANSI 81 - Under/Over frequency protection	**LV850013**	$ *1,017.00*
New! ANSI 67 - Directional overcurrent	**LV850015**	$ *1,994.50*
New! ANSI 51 - IDMTL overcurrent protection	**LV850037**	$ *2,656.50*
Modbus legacy dataset	**LV850045**	$ *366.50*
New! IEC 61850 for MasterPact MTZ	**LV850046**	$ *3,155.50*

Grounding kit

		Price (S$)
Grounding kit for MasterPact MTZ drawout	**LV848559**	$ *99.00*

[1] Select a 4P basic circuit breaker with neutral on the right. All other catalogue numbers are unchanged.

[2] Micrologic 7.0X with Earth Leakage protection is available only for MTZ 2 up to 3200A

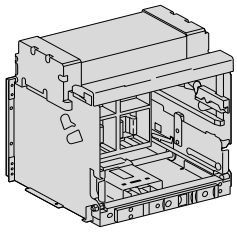
Note 1: Schneider Electric highly recommends the usage of either a Voltage Power Supply (VPS) or External 24Vdc power supply to power up the MasterPact MTZ MicroLogic X. Below 20 % of the rated current an external power supply 24Vdc or the VPS module is needed to ensure the proper operation and all the specified performances of MicroLogic X (measurement, diagnosis, display and communication functions).

Note 2: The basic functions of protection (LSIG) do not require any external power supply.

Drawout Circuit Breakers
Chassis and terminal blocks

unit price (excl. GST in Singapore Dollars)

DB404372



Chassis 4000 A for MTZ2

Chassis

	3P	Price (S$)	4P	Price (S$)
For type N1				
800-1600 A	**LV848392**	$ 2,289.50	**LV848404**	$ 2,829.00
For type H1				
800-1600 A (H1 only)	**LV848392**	$ 2,289.50	**LV848404**	$ 2,829.00
For type H2				
800-1600 A (H2 only)	**LV848393**	$ 2,639.00	**LV848405**	$ 3,385.50
For type H1/H2/H2V				
2000 A	**LV848393**	$ 2,639.00	**LV848405**	$ 3,385.50
2500 A	**LV848394**	$ 2,615.00	**LV848406**	$ 3,385.50
3200 A	**LV848395**	$ 3,606.00	**LV848407**	$ 4,676.50
4000 A	**LV848396**	$ 4,482.00	**LV848408**	$ 5,541.50
For type H1/H2				
4000/6300 A *(MTZ3)*	**LV848397**	$ 5,913.00	**LV848409**	$ 7,069.50
For type H3				
2000/2500 A	**LV848394**	$ 2,615.00	**LV848406**	$ 3,385.50
3200 A	**LV848395**	$ 3,606.00	**LV848407**	$ 4,676.50
4000 A	**LV848396**	$ 4,482.00	**LV848408**	$ 5,541.50

Chassis terminal blocks

Standard Terminal Blocks

Each chassis comes equipped in standard with the terminal blocks corresponding to the customer functions below

- the basic device : OF1, OF2, OF3, OF4, SDE1, UC3 (UC3 for 3P chassis only, not for 4P)
- the MicroLogic control unit : UC1, UC2
- the 5 most common accessories : MN/MX2, MX1, XF, PF, MCH.

Additional Terminal Blocks

If the device is equipped with one or a combination of the following 5 additional accessories:

- SDE2/RES
- M2C/ESM
- PTE
- 1st additionnal 4 OF block
- 2nd additionnal 4 OF block

all the necessary chassis terminal blocks are coded by one of the part numbers below :

		Price (S$)
Chassis terminal blocks for 8 OF contacts	**LV839471**	$ 201.00
Chassis terminal blocks for 4 OF contacts	**LV839472**	$ 80.00
Chassis terminal block for PTE	**LV839473**	$ 25.50
Chassis terminal blocks for PTE + 8 OF contacts	**LV839474**	$ 226.00
Chassis terminal blocks for PTE + 4 OF contacts	**LV839475**	$ 125.00
Chassis terminal block for SDE2/RES	**LV839476**	$ 21.50
Chassis terminal blocks for SDE2/RES + 8 OF contacts	**LV839477**	$ 226.00
Chassis terminal blocks for SDE2/RES + 4 OF contacts	**LV839478**	$ 125.00
Chassis terminal blocks for PTE + SDE2/RES	**LV839479**	$ 50.00
Chassis terminal blocks for PTE + SDE2/RES + 8 OF contacts	**LV839480**	$ 251.00
Chassis terminal blocks for PTE + SDE2/RES + 4 OF contacts	**LV839481**	$ 150.50
Chassis terminal block for M2C/ESM	**LV839482**	$ 25.50
Chassis terminal blocks for M2C/ESM + 8 OF contacts	**LV839483**	$ 226.00
Chassis terminal blocks for M2C/ESM + 4 OF contacts	**LV839484**	$ 125.00
Chassis terminal blocks for PTE + M2C/ESM	**LV839485**	$ 50.00
Chassis terminal blocks for PTE + M2C/ESM + 8 OF contacts	**LV839486**	$ 251.00
Chassis terminal blocks for PTE + M2C/ESM + 4 OF contacts	**LV839487**	$ 150.50
Chassis terminal blocks for SDE2/RES + M2C/ESM	**LV839488**	$ 50.00
Chassis terminal blocks for SDE2/RES + M2C/ESM + 8 OF contacts	**LV839489**	$ 251.00
Chassis terminal blocks for SDE2/RES + M2C/ESM + 4 OF contacts	**LV839490**	$ 150.50
Chassis terminal blocks for PTE + SDE2/RES + M2C/ESM	**LV839491**	$ 76.00
Chassis terminal blocks for PTE + SDE2/RES + M2C/ESM + 8 OF contacts	**LV839492**	$ 275.50
Chassis terminal blocks for PTE + SDE2/RES + M2C/ESM + 4 OF contacts	**LV839493**	$ 176.00

Ethernet communication option

		Chassis + standard	Price (S$)
ULP port			
EIFE	Embedded Ethernet interface for LV breaker	**LV851200**	$ 928.00
IFE	Ethernet interface for LV breaker	**LV434001**	$ 946.58
	Ethernet interface for LV breaker and gateway	**LV434002**	$ 1,434.30
I/O application module		**LV434063**	$ 939.75

unit price (excl. GST in Singapore Dollars)

Chassis front connection

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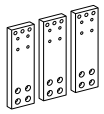
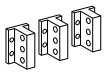


		3P	Price (S$)	4P	Price (S$)
250/800-1600 A	Top	**LV848415**	$ 498.50	**LV848441**	$ 656.00
	Bottom	**LV848418**	$ 498.50	**LV848444**	$ 656.00
2000 A	Top	**LV848413**	$ 506.50	**LV848417**	$ 664.00
	Bottom	**LV848414**	$ 506.50	**LV848420**	$ 664.00
2500/3200 A	Top	**LV848416**	$ 799.00	**LV848442**	$ 1,047.50
	Bottom	**LV848419**	$ 732.00	**LV848445**	$ 960.50

Chassis rear connection

Vertical connection

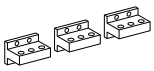
DB404366



		3P	Price (S$)	4P	Price (S$)
250/800-2000 A 800-1600 A type L1	Top	**LV848133**	$ 272.00	**LV848158**	$ 362.50
	Bottom	**LV848138**	$ 272.00	**LV848163**	$ 362.50
2500/3200 A 2000 A types H3/L1	Top	**LV848134**	$ 277.00	**LV848159**	$ 367.00
	Bottom	**LV848139**	$ 277.00	**LV848164**	$ 367.00
4000 A	Top	**LV848135**	$ 636.00	**LV848160**	$ 827.50
	Bottom	**LV848140**	$ 636.00	**LV848165**	$ 827.50
4000b/5000 A	Top	**LV848136**	$ 668.00	**LV848161**	$ 881.50
	Bottom	**LV848141**	$ 668.00	**LV848166**	$ 824.00
6300 A	Top	**LV848137**	$ 881.50	**LV848162**	$ 1,193.50
	Bottom	**LV848142**	$ 881.50	**LV848167**	$ 1,193.50

Horizontal connection

DB404367



		3P	Price (S$)	4P	Price (S$)
250/800-2000 A 800-1600 A type L1	Top	**LV848143**	$ 269.00	**LV848168**	$ 362.50
	Bottom	**LV848148**	$ 269.00	**LV848173**	$ 362.50
2500/3200 A 2000 A types H3/L1	Top	**LV848144**	$ 269.00	**LV848169**	$ 362.50
	Bottom	**LV848149**	$ 269.00	**LV848174**	$ 362.50
4000 A	Top	**LV848145**	$ 629.50	**LV848170**	$ 827.50
	Bottom	**LV848150**	$ 629.50	**LV848175**	$ 827.50
4000b/5000 A	Top	**LV848146**	$ 662.50	**LV848171**	$ 890.00
	Bottom	**LV848151**	$ 662.50	**LV848176**	$ 890.00

Rear connection accessories

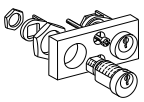
DB404368

Interphase barriers		Price (S$)
3P/4P (3 parts)	**LV848600SP**	$ 321.00

Chassis locking

"Disconnected" position locking

DB404325



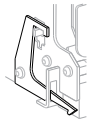
		VCPO	Standard	Price (S$)
By Profalux keylocks				
Profalux	1 lock with 1 key + adaptation kit	**LV848568**	$ 249.50	
	2 locks 1 key + adaptation kit	**LV848569**	$ 532.00	
	2 locks 2 different keys + adaptation kit	**LV848570**	$ 532.00	
1 keylock Profalux (without adaptation kit):	identical key not identified combination	**LV833173SP**	$ 202.00	
	identical key identified 215470 combination	**LV833174SP**	$ 202.00	
	identical key identified 215471 combination	**LV833175SP**	$ 308.00	
By Ronis keylocks				
Ronis	1 lock with 1 key + adaptation kit	**LV848572**	$ 348.00	
	2 locks 1 key + adaptation kit	**LV848573**	$ 487.50	
	2 locks 2 different keys + adaptation kit	**LV848574**	$ 487.50	
1 keylock Ronis (without adaptation kit):	identical key not identified combination	**LV833189SP**	$ 202.00	
	identical key identified EL24135 combination	**LV833190SP**	$ 177.00	
	identical key identified EL24153 combination	**LV833191SP**	$ 308.00	
	identical key identified EL24315 combination	**LV833192SP**	$ 202.00	
Optional disconnected/test/connected position locking		**LV833779**	$ 288.00	
Adaptation kit (without keylock):	adaptation kit Profalux / Ronis	**LV848564SP**	$ 36.00	
	adaptation kit Kirk	**LV848565SP**	$ 708.50	
	adaptation kit Castell	**LV848566SP**	$ 1,174.50	

Drawout Circuit Breakers
Chassis locking and accessories

unit price (excl. GST in Singapore Dollars)

Door interlock (1 part)

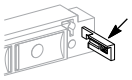
DB404326



			Price (S$)
Right-hand side of chassis	**LV848579**	$	*210.50*
Left-hand side of chassis	**LV848580**	$	*210.50*

Racking interlock

DB404327



			Price (S$)
1 part	**LV848582**	$	*148.50*

Racking interlock between crank and OFF pushbutton

			Price (S$)
1 part	**LV848585**	$	*495.00*

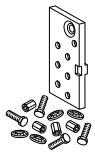
Automatic spring discharge before breaker removal

DB404328

			Price (S$)
1 part	**LV848554**	$	*495.00*

Breaker mismatch protection

DB404329

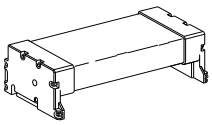


			Price (S$)
Breaker mismatch protection VDC	**LV833767SP**	$	*263.00*

Chassis accessories

Arc chute cover

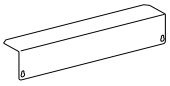
DB404330



3P/4P	Standard

Auxiliary terminal shield (CB)

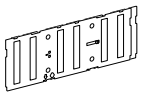
DB404331



				Price (S$)
800/4000 A	3P	**LV848595**	$	*156.00*
	4P	**LV848596**	$	*209.50*
4000b/6300 A	3P	**LV848597**	$	*261.50*
	4P	**LV848598**	$	*309.00*

Safety shutters + locking block

DB404332



		Price (S$)
800/4000 A	3P	**Standard**
	4P	**Standard**
4000b/6300 A	3P	**Standard**
	4P	**Standard**

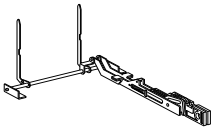
Shutter locking block (for replacement)

DB404333

			Price (S$)
2 parts for 800/4000 A	**LV848591SP**	$	*86.00*

Front face shutter position indication and locking

DB404374



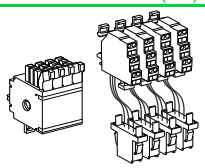
				Price (S$)
800/4000 A	3P/4P	**LV848592**	$	*2,039.50*
4000b/6300 A	3P	**LV848593**	$	*3,712.00*
	4P	**LV848594**	$	*4,658.50*

Drawout Circuit Breakers
Indication contacts & Remote Operation

unit price (excl. GST in Singapore Dollars)

ON/OFF indication contacts (OF)

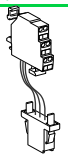
DB404321



			Price (S$)
Block of 4 changeover contacts (6 A - 240 V)	1 block (standard)		
1 additional block of 4 contacts (2 max.)	**LV848468**	$	*369.00*

Combined closed / connected contacts for use with 1 auxiliary contact

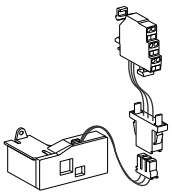
DB404322



			Price (S$)
1 contact (5 A - 240 V) (8 max.)	**LV848477**	$	*142.00*
or 1 low-level contact (8 max.)	**LV848478**	$	*126.00*

"Fault trip" indication contacts (SDE)

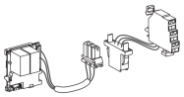
DB404323



			Price (S$)
Changeover contact (6 A - 240 V)	1 (standard)		
1 additional SDE (6 A - 240 V)	**LV848475**	$	*126.00*
or 1 additional low-level SDE	**LV848476**	$	*126.00*

Programmable contacts (*) Programmed via Micrologic Control Unit

DB404323



M2C

			Price (S$)
2 contacts M2C (5 A - 240 V)	**LV848382**	$	*194.00*

Carriage switches (connected / disconnected / test position)

DB404324

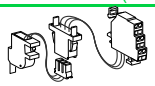
			Price (S$)
Changeover contacts (8 A - 240 V)			
1 connected position contact (3 max.)	**LV833751**	$	*80.50*
1 test position contact (3 max.)	**LV833752**	$	*75.00*
1 disconnected position contact (3 max.)	**LV833753**	$	*80.50*
and/or low-level changeover contacts			
1 connected position contact (3 max.)	**LV833754**	$	*96.50*
1 test position contact (3 max.)	**LV833755**	$	*90.00*
1 disconnected position contact (3 max.)	**LV833756**	$	*90.00*
Actuator for additional carriage switches	**LV848560**	$	*108.50*

Auxiliary terminals for chassis alone

			Price (S$)
3 wire terminal (30 parts)	**LV847898SP**	$	*574.00*
6 wire terminal (10 parts)	**LV847899SP**	$	*513.50*
Jumpers (10 parts)	**LV847900SP**	$	*34.50*

"Ready to close" contact (1 max.)

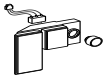
DB404379



	PF		Price (S$)
1 changeover contact (5 A - 240 V)	**LV848469**	$	*197.50*
1 low-level changeover contact	**LV848470**	$	*201.00*

Electrical closing pushbutton

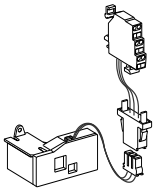
DB404319



	BPFE		Price (S$)
1 pushbutton	**LV848534**	$	*203.00*

Remote reset after fault trip

DB404323



Electrical reset	**RES**		Price (S$)
110/130 V AC	**LV848472**	$	*387.00*
220/240 V AC	**LV848473**	$	*387.00*
Automatic reset	**RAR**		
Adaptation	**LV847346**	$	*58.00*

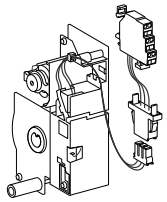
Drawout Circuit Breakers
Remote Operation

unit price (excl. GST in Singapore Dollars)

Remote ON/OFF

Gear motor

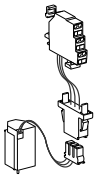
DB404377



		MCH		Price (S$)	
AC 50/60 Hz	48 V	**LV848522**	$	*1,996.00*	
	100/130 V	**LV848526**	$	*1,996.00*	
	200/240 V	**LV848527**	$	*1,996.00*	
	250/277 V	**LV848528**	$	*1,996.00*	
	380/415 V	**LV848529**	$	*1,996.00*	
	440/480 V	**LV848530**	$	*1,996.00*	
DC	24/30 V	**LV848521**	$	*1,996.00*	
	48/60 V	**LV848522**	$	*1,996.00*	
	100/130 V	**LV848523**	$	*1,996.00*	
	200/250 V	**LV848524**	$	*1,996.00*	

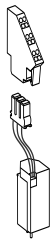
Instantaneous voltage releases

DB404378



		Closing release			Opening release	
Standard		**XF**		**Price (S$)**	**MX**	**Price (S$)**
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV848481**	$	*276.50*	**LV848491**	$ *276.50*
DC	48/60 V DC, 48 V AC	**LV848482**	$	*276.50*	**LV848492**	$ *276.50*
	100/130 V AC/DC	**LV848483**	$	*276.50*	**LV848493**	$ *276.50*
	200/250 V AC/DC	**LV848484**	$	*276.50*	**LV848494**	$ *276.50*
	277 V AC	**LV848485**	$	*276.50*	**LV848495**	$ *276.50*
	380/480 V AC	**LV848486**	$	*276.50*	**LV848496**	$ *276.50*
Diagnostics & Communicating		**XF com**			**MX com**	
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV848449**	$	*343.00*	**LV848458**	$ *343.00*
DC	48/60 V DC, 48 V AC	**LV848450**	$	*343.00*	**LV848459**	$ *343.00*
	100/130 V AC/DC	**LV848451**	$	*343.00*	**LV848460**	$ *343.00*
	200/250 V AC/DC	**LV848452**	$	*343.00*	**LV848461**	$ *343.00*
	277 V AC	**LV848453**	$	*343.00*	**LV848462**	$ *343.00*
	380/480 V AC	**LV848454**	$	*400.50*	**LV848463**	$ *400.50*

DB404318



		Opening release		
Standard		**MN**		**Price (S$)**
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV848501**	$	*275.50*
DC	48/60 V DC, 48 V AC	**LV848502**	$	*275.50*
	100/130 V AC/DC	**LV848503**	$	*275.50*
	200/250 V AC/DC	**LV848504**	$	*275.50*
	380/480 V AC	**LV848506**	$	*275.50*
Diagnostics & Communicating		**MN diag**		**Price (S$)**
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV836705**	$	*366.50*
DC	48/60 V DC, 48 V AC	**LV836706**	$	*366.50*
	100/130 V AC/DC	**LV836707**	$	*366.50*
	200/250 V AC/DC	**LV836708**	$	*366.50*
	380/480 V AC	**LV836709**	$	*366.50*

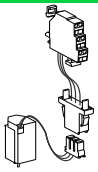
Isolation module for Communicating Coils

		Price (S$)	
Isolation module for COM coils	**LV850056**	$	*758.00*

Remote tripping

Instantaneous voltage release

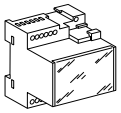
DB404378



		2nd MX (*)		Price (S$)
AC 50/60 Hz	24/30 V DC, 24 V AC	**LV848511**	$	*275.50*
DC	48/60 V DC, 48 V AC	**LV848512**	$	*275.50*
	100/130 V AC/DC	**LV848513**	$	*275.50*
	200/250 V AC/DC	**LV848514**	$	*275.50*
	277 V AC	**LV848515**	$	*275.50*
	380/480 V AC	**LV848516**	$	*275.50*

MN delay unit

DB404320



		R (non-adjustable)		Price (S$)	Rr (adjustable)		Price (S$)
AC 50/60 Hz	48/60 V AC/DC				**LV833680SP**	$	*649.00*
DC	100/130 V AC/DC	**LV833684SP**	$	*507.50*	**LV833681SP**	$	*649.00*
	200/250 V AC/DC	**LV833685SP**	$	*507.50*	**LV833682SP**	$	*649.00*
	380/480 V AC/DC				**LV833683SP**	$	*649.00*

(*) Exclusive option between 2nd MX or MN coils

unit price (excl. GST in Singapore Dollars)

Circuit breaker locking

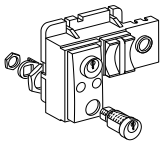
Pushbutton locking device

DB404337

		Price (S$)
By padlocks	**LV848536**	$ 99.00

OFF position locking

DB404338



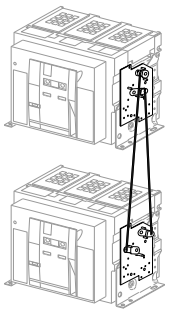
			Price (S$)
By padlocks			
	VCPO	**LV848539**	$ 62.50
By Profalux keylocks			
Profalux	1 lock with 1 key + adaptation kit	**LV848545**	$ 414.50
	2 locks 1 key + adaptation kit	**LV848546**	$ 587.00
	2 locks 2 different keys + adaptation kit	**LV848547**	$ 587.00
1 keylock Profalux	identical key not identified combination	**LV833173SP**	$ 202.00
(without adaptation kit)	identical key identified 215470 combination	**LV833174SP**	$ 202.00
	identical key identified 215471 combination	**LV833175SP**	$ 308.00
By Ronis keylocks			
Ronis	1 lock with 1 key + adaptation kit	**LV848549**	$ 330.00
	2 locks 1 key + adaptation kit	**LV848550**	$ 554.50
	2 locks 2 different keys + adaptation kit	**LV848551**	$ 554.50
1 keylock Ronis	identical key not identified combination	**LV833189SP**	$ 202.00
(without adaptation kit)	identical key identified EL24135 combination	**LV833190SP**	$ 177.00
	identical key identified EL24153 combination	**LV833191SP**	$ 308.00
	identical key identified EL24315 combination	**LV833192SP**	$ 202.00
Adaptation kit	adaptation kit Profalux / Ronis	**LV848541SP**	$ 108.50
(without keylock):	adaptation kit Kirk	**LV848542SP**	$ 727.00
	adaptation kit Castell	**LV848543SP**	$ 930.50

Cable-type door interlock

		Price (S$)
1 complete assembly for MasterPact MTZ2/3 fixed or drawout device	**LV848614SP**	$ 2,202.00

Mechanical interlocking for source changeover

DB404380



Interlocking of 2 devices using connecting rods

Choose one set of 2 adaptation fixtures (1 for each device) + 1 set of 2 interlocking rods		Price (S$)
One set of 2 adaptation fixtures for MasterPact MTZ2 or MTZ3 fixed or drawout device	**LV847930SP**	$ 971.00
One set of 2 interlocking rods	**LV833210SP**	$ 394.50

Interlocking of 2 devices using cables (*)

Choose 2 adaptation fixtures (1 for each device) + 1 set of cables		Price (S$)
1 adaptation fixture for MasterPact MTZ2/3 fixed devices	**LV847926SP**	$ 518.00
1 adaptation fixture for MasterPact MTZ2/3 drawout devices	**LV847926SP**	$ 518.00
1 set of 2 cables of 2.5 m	**LV833209SP**	$ 261.50

(*) Can be used with any combination of MTZ, fixed or drawout devices.

Interlocking of 3 devices using cables

Choose 1 interlocking kit (including 3 adaptation fixtures + cables)		Price (S$)
3 sources, only 1 device closed, fixed or drawout devices	**LV848610SP**	$ 3,005.00
2 sources + 1 coupling, fixed or drawout devices	**LV848609SP**	$ 2,908.00
2 normal + 1 replacement source, fixed or drawout devices	**LV848608SP**	$ 3,005.00

Other circuit breaker accessories

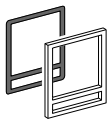
Mechanical operation counter

DB125617

		Price (S$)
Operation counter CDM	**LV848535**	$ 411.50

Escutcheon and accessories

DB404339

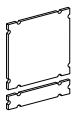


Escutcheon

DB404340

Cover

DB404341



Blanking plate

	Fixed	Price (S$)	Drawout	Price (S$)
Escutcheon	**LV848601SP**	$ 170.50	**LV848603SP**	$ 176.50
Transparent cover IP54			**LV848604SP**	$ 688.00
Escutcheon blanking plate	**LV848605SP**	$ 235.50	**LV848605SP**	$ 235.50

unit price (excl. GST in Singapore Dollars)

Accessories for Micrologic control units

External sensors

External sensor for earth-fault protection (TCE)

DB404381

				Price (S$)
Sensor rating	400/2000 A	**LV834035SP**	$	*1,458.00*
	1000/4000 A	**LV834036SP**	$	*1,461.00*
	4000/6300 A (for MTZ3 40, MTZ3 50, MTZ3 63)	**LV848182SP**	$	*2,958.50*

Rectangular sensor for earth-leakage protection

DB404382

				Price (S$)
470 mm x 160 mm	In max. 3200 A	**LV833574SP**	$	*4,321.50*

Source ground return (SGR) earth fault protection

DB404382

				Price (S$)
External sensor (SGR)		**LV833579SP**	$	*1,589.00*
MDGF summing module		**LV848891SP**	$	*1,995.00*

Voltage measurement input (for breakers supplied via bottom terminals)

DB125642

				Price (S$)
Voltage measurement input	Fixed	**LV847506**	$	*234.50*
	Drawout	**LV848533**	$	*231.50*

Voltage power supply module (VPS) for Micrologic X

				Price (S$)
Voltage power supply module		**LV850060**	$	*703.00*

Zone Selective Interlocking option for Micrologic X

ZSI	Standard	

External power supply module (AD)

DB105360

				Price (S$)
24/30 V DC		**LV454440**	$	*901.00*
48/60 V DC		**LV454441**	$	*901.00*
100/125 V DC		**LV454442**	$	*901.00*
110/130 V AC		**LV454443**	$	*625.00*
200/240 V AC		**LV454444**	$	*505.00*

Battery module (BAT)

DB404431

				Price (S$)
1 battery 24 V		**54446**	$	*1,351.50*

Test & Commisionning equipment

USB Cable (mini USB/USB) for Micrologic X

DB404385

				Price (S$)
USB cable		**LV850067SP**	$	*105.50*

Mobile Powerpack for Micrologic X (by APC)

DB404386

				Price (S$)
Mobile PowerPack		**LV850055SP**	$	*290.00*

Sensor rating

To be specified when ordering

Rating	MTZ2 08	MTZ2 10	MTZ2 12	MTZ2 16	MTZ2 20	MTZ2 25	MTZ2 32
400	b	b					
630	b	b	b				
800		b	b	b			
1000			b	b	b		
1250				b	b	b	
1600					b	b	b
2000						b	b
2500							b
3200							b

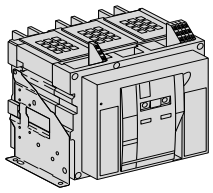
Rating	MTZ2 40	MTZ3 40b	MTZ3 50	MTZ3 63
2000	b	b		
2500	b	b	b	
3200	b	b	b	b
4000			b	b
5000				b
6300				b

Fixed switch-disconnectors
Switch-disconnectors

unit price (excl. GST in Singapore Dollars)

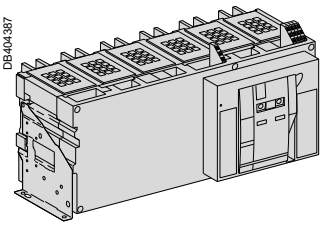
A MasterPact fixed switch-disconnector is described by 3 catalogue numbers corresponding to:
> the basic switch-disconnector
> a top connection
> a bottom connection.
Various auxiliaries and accessories may also be added.
Supplied as standard with the breaker Frame are:
>4 auxiliary contacts (4xOF)

DB404313



Basic switch-disconnector MTZ2 type

DB404387



Basic switch-disconnector MTZ3 type

Basic switch-disconnector

Type NA

	In (A at 40 °C)	Icm (kA peak for U = 220/690 V)	3P	Price (S$)	4P	Price (S$)
MTZ2 08	800	88	**LV848004**	$ 4,084.50	**LV848011**	$ 5,474.50
MTZ2 10	1000	88	**LV848018**	$ 4,408.00	**LV848025**	$ 5,882.00
MTZ2 12	1250	88	**LV848032**	$ 5,152.00	**LV848039**	$ 6,836.00
MTZ2 16	1600	88	**LV848046**	$ 5,672.00	**LV848053**	$ 7,510.00

Type HA

	In (A at 40 °C)	Icm (kA peak for U = 220/690 V)	3P	Price (S$)	4P	Price (S$)
MTZ2 08	800	145	**LV848005**	$ 4,141.50	**LV848012**	$ 6,233.00
MTZ2 10	1000	145	**LV848019**	$ 5,024.50	**LV848026**	$ 6,680.50
MTZ2 12	1250	145	**LV848033**	$ 5,531.00	**LV848040**	$ 7,735.00
MTZ2 16	1600	145	**LV848047**	$ 6,092.00	**LV848054**	$ 8,491.50
MTZ2 20	2000	145	**LV848061**	$ 6,359.00	**LV848068**	$ 9,994.00
MTZ2 25	2500	145	**LV848074**	$ 8,885.00	**LV848080**	$ 11,623.00
MTZ2 32	3200	145	**LV848085**	$ 10,907.50	**LV848090**	$ 14,209.50
MTZ2 40	4000	145	**LV848095**	$ 16,091.00	**LV848100**	$ 20,792.00
MTZ3 40	4000	145	**LV848108**	$ 23,081.50	**LV848111**	$ 29,733.00
MTZ3 50	5000	187	**LV848114**	$ 38,213.00	**LV848117**	$ 49,115.00
MTZ3 63	6300	187	**LV848120**	$ 47,891.00	**LV848123**	$ 61,474.50

Type HF

	In (A at 40 °C)	Icm (kA peak for U = 220/690 V)	3P	Price (S$)	4P	Price (S$)
MTZ2 08	800	187	**LV848006**	$ 4,916.00	**LV848013**	$ 7,011.50
MTZ2 10	1000	187	**LV848020**	$ 5,811.50	**LV848027**	$ 7,460.50
MTZ2 12	1250	187	**LV848034**	$ 6,303.50	**LV848041**	$ 8,515.00
MTZ2 16	1600	187	**LV848048**	$ 6,867.00	**LV848055**	$ 9,266.50
MTZ2 20	2000	187	**LV848062**	$ 7,142.50	**LV848069**	$ 10,769.50
MTZ2 25	2500	187	**LV848075**	$ 9,658.00	**LV848081**	$ 12,407.50
MTZ2 32	3200	187	**LV848086**	$ 11,681.00	**LV848091**	$ 14,983.00
MTZ2 40	4000	187	**LV848096**	$ 16,875.00	**LV848101**	$ 21,576.50

Type HH

	In (A at 40 °C)	Icm (kA peak for U = 220/690 V)	3P	Price (S$)	4P	Price (S$)
MTZ2 20	2000	220	**LV846310**	$ 7,858.00	**LV846311**	$ 11,851.00
MTZ2 25	2500	220	**LV846312**	$ 10,626.50	**LV846313**	$ 13,653.00
MTZ2 32	3200	220	**LV846314**	$ 12,858.00	**LV846315**	$ 16,477.50
MTZ2 40	4000	220	**LV846316**	$ 18,560.50	**LV846317**	$ 23,733.50

Type HH with right neutral

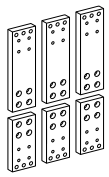
	In (A at 40 °C)	Icm (kA peak for U = 220/690 V)		4P	Price (S$)
MTZ2 20	2000	220		**LV846342**	$ 11,851.00
MTZ2 25	2500	220		**LV846343**	$ 13,653.00
MTZ2 32	3200	220		**LV846344**	$ 16,477.50
MTZ2 40	4000	220		**LV846345**	$ 23,733.50

Fixed switch-disconnectors
Connections

unit price (excl. GST in Singapore Dollars)

Front connection

DB404364



		3P	Price (S$)	4P	Price (S$)
800-1600 A	Top	**LV848128**	$ 504.50	**LV848153**	$ 662.50
	Bottom	**LV848130**	$ 504.50	**LV848155**	$ 662.50
2000 A	Top	**LV848124**	$ 504.50	**LV848126**	$ 662.50
	Bottom	**LV848125**	$ 504.50	**LV848127**	$ 662.50
2500-3200 A	Top	**LV848129**	$ 851.00	**LV848154**	$ 1,134.00
	Bottom	**LV848131**	$ 851.00	**LV848156**	$ 1,134.00

Front connection accessories

DB404365

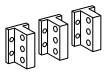
Disconnectable front connection

	3P	Price (S$)	4P	Price (S$)
1600 A	**LV848421SP**	$ 798.00	**LV848424SP**	$ 1,044.00
2000/3200 A	**LV848422SP**	$ 952.50	**LV848425SP**	$ 1,244.00

Rear connection

Vertical connection

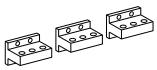
DB404366



		3P	Price (S$)	4P	Price (S$)
800-2000 A	Top	**LV848133**	$ 272.00	**LV848158**	$ 362.50
	Bottom	**LV848138**	$ 272.00	**LV848163**	$ 362.50
2500-3200 A	Top	**LV848134**	$ 277.00	**LV848159**	$ 367.00
	Bottom	**LV848139**	$ 277.00	**LV848164**	$ 367.00
4000 A	Top	**LV848135**	$ 636.00	**LV848160**	$ 827.50
	Bottom	**LV848140**	$ 636.00	**LV848165**	$ 827.50
4000b/5000 A	Top	**LV848136**	$ 668.00	**LV848161**	$ 881.50
	Bottom	**LV848141**	$ 668.00	**LV848166**	$ 824.00
6300 A	Top	**LV848137**	$ 881.50	**LV848162**	$ 1,193.50
	Bottom	**LV848142**	$ 881.50	**LV848167**	$ 1,193.50

Horizontal connection

DB404367



		3P	Price (S$)	4P	Price (S$)
800-2000 A	Top	**LV848143**	$ 269.00	**LV848168**	$ 362.50
	Bottom	**LV848148**	$ 269.00	**LV848173**	$ 362.50
2500-3200 A	Top	**LV848144**	$ 269.00	**LV848169**	$ 362.50
	Bottom	**LV848149**	$ 269.00	**LV848174**	$ 362.50
4000 A	Top	**LV848145**	$ 629.50	**LV848170**	$ 827.50
	Bottom	**LV848150**	$ 629.50	**LV848175**	$ 827.50
4000b/5000 A	Top	**LV848146**	$ 662.50	**LV848171**	$ 890.00
	Bottom	**LV848151**	$ 662.50	**LV848176**	$ 890.00

Rear connection accessories

Interphase barriers

DB404368

		Price (S$)
3P/4P (3 parts)	**LV848599SP**	$ 431.00

Brackets for mounting on a backplate

DB404369

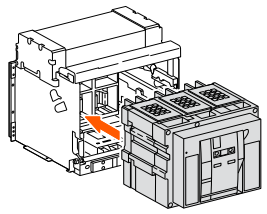
		Price (S$)
2 parts	**LV847829**	$ 134.00

Drawout switch-disconnectors
Switch-disconnectors

unit price (excl. GST in Singapore Dollars)

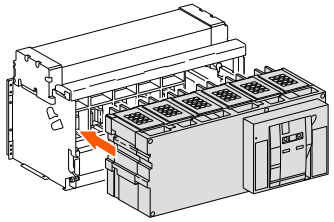
A MasterPact drawout switch-disconnector is described by 4 catalogue numbers corresponding to:
> the basic switch-disconnector
> a chassis
> a top connection
> a bottom connection.
Various auxiliaries and accessories may also be added.
Supplied as standard with the breaker Frame are:
>4 auxiliary contacts (4xOF)

DB101913



Basic switch-disconnector + chassis MTZ 2 Type

DB101914



Basic switch-disconnector + chassis MTZ 3 type

Basic switch-disconnector

Type NA

	In (A at 40 °C)	Icm (kA peak for U = 220/690 V)	3P		Price (S$)	4P		Price (S$)
MTZ2 08	800	88	LV848234	$	3,579.50	LV848241	$	4,970.00
MTZ2 10	1000	88	LV848248	$	3,972.00	LV848255	$	5,474.50
MTZ2 12	1250	88	LV848262	$	4,899.50	LV848269	$	6,667.50
MTZ2 16	1600	88	LV848276	$	4,913.00	LV848283	$	7,145.50

Type HA

	In (A at 40 °C)	Icm (kA peak for U = 220/690 V)	3P		Price (S$)	4P		Price (S$)
MTZ2 08	800	145	LV848235	$	3,398.00	LV848242	$	5,123.00
MTZ2 10	1000	145	LV848249	$	3,790.00	LV848256	$	5,209.00
MTZ2 12	1250	145	LV848263	$	4,731.00	LV848270	$	6,401.00
MTZ2 16	1600	145	LV848277	$	5,390.50	LV848284	$	7,257.00
MTZ2 20	2000	145	LV848291	$	6,443.50	LV848298	$	8,465.00
MTZ2 25	2500	145	LV848304	$	9,783.50	LV848310	$	12,746.50
MTZ2 32	3200	145	LV848315	$	10,679.50	LV848320	$	13,875.50
MTZ2 40	4000	145	LV848325	$	16,668.50	LV848330	$	21,724.50
MTZ3 40	4000	145	LV848338	$	24,327.00	LV848341	$	31,699.50
MTZ3 50	5000	187	LV848344	$	43,242.50	LV848347	$	55,904.50
MTZ3 63	6300	187	LV848350	$	55,432.50	LV848353	$	71,502.50

Type HF

	In (A at 40 °C)	Icm (kA peak for U = 220/690 V)	3P		Price (S$)	4P		Price (S$)
MTZ2 08	800	187	LV848236	$	4,135.50	LV848243	$	5,899.00
MTZ2 10	1000	187	LV848250	$	4,525.00	LV848257	$	5,971.50
MTZ2 12	1250	187	LV848264	$	5,466.50	LV848271	$	7,171.00
MTZ2 16	1600	187	LV848278	$	6,131.50	LV848285	$	8,038.00
MTZ2 20	2000	187	LV848292	$	7,215.00	LV848299	$	9,238.00
MTZ2 25	2500	187	LV848305	$	10,554.00	LV848311	$	13,525.50
MTZ2 32	3200	187	LV848316	$	11,464.00	LV848321	$	14,654.50
MTZ2 40	4000	187	LV848326	$	17,442.50	LV848331	$	22,488.00

Type HH

	In (A at 40 °C)	Icm (kA peak for U = 220/440 V)	3P		Price (S$)	4P		Price (S$)
MTZ2 20	2000	220	LV846318	$	7,935.50	LV846319	$	9,859.50
MTZ2 25	2500	220	LV846320	$	11,612.50	LV846321	$	14,430.00
MTZ2 32	3200	220	LV846322	$	12,614.00	LV846323	$	15,630.00
MTZ2 40	4000	220	LV846324	$	19,186.00	LV846325	$	23,995.00

Type HH with right neutral

	In (A at 40 °C)	Icm (kA peak for U = 220/440 V)	3P		Price (S$)	4P		Price (S$)
MTZ2 20	2000	220				LV846346	$	10,164.50
MTZ2 25	2500	220				LV846347	$	14,877.00
MTZ2 32	3200	220				LV846348	$	16,112.00
MTZ2 40	4000	220				LV846349	$	24,735.00

Chassis

Type NA

	3P			4P		
800 - 1600 A	LV848392	$	2,289.50	LV848404	$	2,829.00

Type HA

	3P			4P		
800-1600 A	LV848392	$	2,289.50	LV848404	$	2,829.00
2000 A	LV848393	$	2,639.00	LV848405	$	3,385.50
2500 A	LV848394	$	2,615.00	LV848406	$	3,385.50
3200 A	LV848395	$	3,606.00	LV848407	$	4,676.50
4000 A	LV848396	$	4,482.00	LV848408	$	5,541.50
4000/6300 A (MTZ3)	LV848397	$	5,913.00	LV848409	$	7,069.50

Chassis terminal blocks

Standard Terminal Blocks

Each chassis comes equipped in standard with the terminal blocks corresponding to the customer functions below
- the basic device : OF1, OF2, OF3, OF4, SDE1, UC3 (UC3 for 3P chassis only, not for 4P)
- the MicroLogic control unit : UC1, UC2
- the 5 most common accessories : MN/MX2, MX1, XF, PF, MCH.

Additional Terminal Blocks

If the device is equipped with one or a combination of the following 5 additional accessories:
- SDE2/RES
- M2C/ESM
- PTE
- 1st additionnal 4 OF block
- 2nd additionnal 4 OF block

Drawout switch-disconnectors
Connections

unit price (excl. GST in Singapore Dollars)

all the necessary chassis terminal blocks are coded by one of the part numbers below :

		Price (S$)
Chassis terminal blocks for 8 OF contacts	**LV839471**	$ 201.00
Chassis terminal blocks for 4 OF contacts	**LV839472**	$ 80.00
Chassis terminal block for PTE	**LV839473**	$ 25.50
Chassis terminal blocks for PTE + 8 OF contacts	**LV839474**	$ 226.00
Chassis terminal blocks for PTE + 4 OF contacts	**LV839475**	$ 125.00
Chassis terminal block for SDE2/RES	**LV839476**	$ 21.50
Chassis terminal blocks for SDE2/RES + 8 OF contacts	**LV839477**	$ 226.00
Chassis terminal blocks for SDE2/RES + 4 OF contacts	**LV839478**	$ 125.00
Chassis terminal blocks for PTE + SDE2/RES	**LV839479**	$ 50.00
Chassis terminal blocks for PTE + SDE2/RES + 8 OF contacts	**LV839480**	$ 251.00
Chassis terminal blocks for PTE + SDE2/RES + 4 OF contacts	**LV839481**	$ 150.50
Chassis terminal block for M2C/ESM	**LV839482**	$ 25.50
Chassis terminal blocks for M2C/ESM + 8 OF contacts	**LV839483**	$ 226.00
Chassis terminal blocks for M2C/ESM + 4 OF contacts	**LV839484**	$ 125.00
Chassis terminal blocks for PTE + M2C/ESM	**LV839485**	$ 50.00
Chassis terminal blocks for PTE + M2C/ESM + 8 OF contacts	**LV839486**	$ 251.00
Chassis terminal blocks for PTE + M2C/ESM + 4 OF contacts	**LV839487**	$ 150.50
Chassis terminal blocks for SDE2/RES + M2C/ESM	**LV839488**	$ 50.00
Chassis terminal blocks for SDE2/RES + M2C/ESM + 8 OF contacts	**LV839489**	$ 251.00
Chassis terminal blocks for SDE2/RES + M2C/ESM + 4 OF contacts	**LV839490**	$ 150.50
Chassis terminal blocks for PTE + SDE2/RES + M2C/ESM	**LV839491**	$ 76.00
Chassis terminal blocks for PTE + SDE2/RES + M2C/ESM + 8 OF contacts	**LV839492**	$ 275.50
Chassis terminal blocks for PTE + SDE2/RES + M2C/ESM + 4 OF contacts	**LV839493**	$ 176.00

Chassis front connection

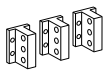
DB404373

		3P	Price (S$)	4P	Price (S$)
800-1600 A	Top	**LV848415**	$ 498.50	**LV848441**	$ 656.00
	Bottom	**LV848418**	$ 498.50	**LV848444**	$ 656.00
2000 A	Top	**LV848413**	$ 506.50	**LV848417**	$ 664.00
	Bottom	**LV848414**	$ 506.50	**LV848420**	$ 664.00
2500-3200 A	Top	**LV848416**	$ 799.00	**LV848442**	$ 1,047.50
	Bottom	**LV848419**	$ 732.00	**LV848445**	$ 960.50

Chassis rear connection

Vertical connection

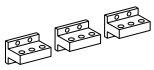
DB404366



		3P	Price (S$)	4P	Price (S$)
800-2000 A	Top	**LV848133**	$ 272.00	**LV848158**	$ 362.50
	Bottom	**LV848138**	$ 272.00	**LV848163**	$ 362.50
2500-3200 A	Top	**LV848134**	$ 277.00	**LV848159**	$ 367.00
	Bottom	**LV848139**	$ 277.00	**LV848164**	$ 367.00
4000 A	Top	**LV848135**	$ 636.00	**LV848160**	$ 827.50
	Bottom	**LV848140**	$ 636.00	**LV848165**	$ 827.50
4000b/5000 A	Top	**LV848136**	$ 668.00	**LV848161**	$ 881.50
	Bottom	**LV848141**	$ 668.00	**LV848166**	$ 824.00
6300 A	Top	**LV848137**	$ 881.50	**LV848162**	$ 1,193.50
	Bottom	**LV848142**	$ 881.50	**LV848167**	$ 1,193.50

Horizontal connection

DB404367



		3P	Price (S$)	4P	Price (S$)
800-2000 A	Top	**LV848143**	$ 269.00	**LV848168**	$ 362.50
	Bottom	**LV848148**	$ 269.00	**LV848173**	$ 362.50
2500-3200 A	Top	**LV848144**	$ 269.00	**LV848169**	$ 362.50
	Bottom	**LV848149**	$ 269.00	**LV848174**	$ 362.50
4000 A	Top	**LV848145**	$ 629.50	**LV848170**	$ 827.50
	Bottom	**LV848150**	$ 629.50	**LV848175**	$ 827.50
4000b/5000 A	Top	**LV848146**	$ 662.50	**LV848171**	$ 890.00
	Bottom	**LV848151**	$ 662.50	**LV848176**	$ 890.00

Rear connection accessories

DB404368

Interphase barriers		Price (S$)
3P/4P (3 parts)	**LV848600SP**	$ 321.00

With neutral on the right
Circuit breakers

unit price (excl. GST in Singapore Dollars)

A 4 pole MasterPact circuit breaker with neutral on the right is described by the same catalogue numbers as a standard 4 pole one, except for the basic circuit breaker, which is specific.

Fixed circuit breakers with neutral on the right

Type H1

	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu	4P		Price (S$)
MTZ2 08	800	66	**LV848183**	$	*5,466.00*
MTZ2 10	1000	66	**LV848184**	$	*5,905.50*
MTZ2 12	1250	66	**LV848185**	$	*6,978.50*
MTZ2 16	1600	66	**LV848186**	$	*7,708.50*
MTZ2 20	2000	66	**LV848060**	$	*9,194.50*
MTZ2 25	2500	66	**LV848073**	$	*10,669.00*
MTZ2 32	3200	66	**LV848187**	$	*13,340.00*
MTZ2 40	4000	66	**LV848193**	$	*19,917.50*
MTZ3 40	4000	100	**LV848194**	$	*28,689.00*
MTZ3 50	5000	100	**LV848195**	$	*47,694.50*
MTZ3 63	6300	100	**LV848196**	$	*60,112.50*

Type H2

	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu	4P		Price (S$)
MTZ2 08	800	100	**LV848177**	$	*6,705.00*
MTZ2 10	1000	100	**LV848178**	$	*7,209.50*
MTZ2 12	1250	100	**LV848179**	$	*8,435.50*
MTZ2 16	1600	100	**LV848180**	$	*9,280.00*
MTZ2 20	2000	100	**LV848067**	$	*11,119.50*
MTZ2 25	2500	100	**LV848079**	$	*12,990.50*
MTZ2 32	3200	100	**LV848181**	$	*16,000.50*
MTZ2 40	4000	100	**LV848102**	$	*23,956.00*
MTZ3 40	4000	150	**LV848103**	$	*34,275.00*
MTZ3 50	5000	150	**LV848104**	$	*56,901.00*
MTZ3 63	6300	150	**LV848105**	$	*71,343.50*

Drawout circuit breakers with neutral on the right

Type H1

	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu	4P		Price (S$)
MTZ2 08	800	66	**LV848226**	$	*4,893.00*
MTZ2 10	1000	66	**LV848227**	$	*5,532.50*
MTZ2 12	1250	66	**LV848228**	$	*6,255.50*
MTZ2 16	1600	66	**LV848229**	$	*7,256.00*
MTZ2 20	2000	66	**LV848436**	$	*7,395.50*
MTZ2 25	2500	66	**LV848303**	$	*11,299.50*
MTZ2 32	3200	66	**LV848437**	$	*12,333.00*
MTZ2 40	4000	66	**LV848332**	$	*20,230.00*
MTZ3 40	4000	100	**LV848333**	$	*30,030.00*
MTZ3 50	5000	100	**LV848334**	$	*53,535.50*
MTZ3 63	6300	100	**LV848335**	$	*68,667.00*

Type H2

	In (A at 40 °C)	Icu (kA for U = 220/440 V) - Ics = 100 % Icu	4P		Price (S$)
MTZ2 08	800	100	**LV848426**	$	*6,379.00*
MTZ2 10	1000	100	**LV848427**	$	*7,169.50*
MTZ2 12	1250	100	**LV848428**	$	*8,108.00*
MTZ2 16	1600	100	**LV848429**	$	*9,104.00*
MTZ2 20	2000	100	**LV848438**	$	*10,194.00*
MTZ2 25	2500	100	**LV848309**	$	*13,144.00*
MTZ2 32	3200	100	**LV848439**	$	*15,709.00*
MTZ2 40	4000	100	**LV848354**	$	*25,493.00*
MTZ3 40	4000	150	**LV848355**	$	*37,868.50*
MTZ3 50	5000	150	**LV848356**	$	*65,333.00*
MTZ3 63	6300	150	**LV848357**	$	*83,416.50*

Connections

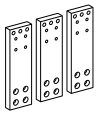
unit price (excl. GST in Singapore Dollars)

Connection

Fixed circuit breakers

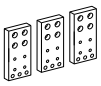
Front connection / Replacement kit (3 or 4 parts)

DB404373



		3P		Price (S$)	4P		Price (S$)
800-1600 A	Top	**LV847992SP**	$	*667.00*	**LV847993SP**	$	*884.50*
2000/3200 A	Top	**LV847992SP**	$	*667.00*	**LV847993SP**	$	*884.50*

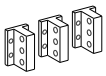
DB404408



		3P		Price (S$)	4P		Price (S$)
800-1600 A	Bottom	**LV847932SP**	$	*403.00*	**LV847933SP**	$	*529.00*
2000/3200 A	Bottom	**LV847942SP**	$	*534.00*	**LV847943SP**	$	*701.00*

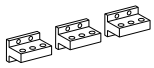
Rear connection (vertical or horizontal mounting) / Replacement kit (3 or 4 parts)

DB404366



Vertical mounting

DB404367



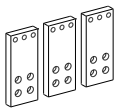
Horizontal mounting

			3P		Price (S$)	4P		Price (S$)
800-2000 A	Vertical		**LV847966SP**	$	*400.50*	**LV847967SP**	$	*430.00*
	Horizontal		**LV847966SP**	$	*400.50*	**LV847967SP**	$	*430.00*
2500/3200 A	Vertical		**LV847966SP**	$	*400.50*	**LV847967SP**	$	*430.00*
	Horizontal		**LV847966SP**	$	*400.50*	**LV847967SP**	$	*430.00*
4000 A	Vertical		**LV847968SP**	$	*623.50*	**LV847969SP**	$	*867.00*
	Horizontal		**LV847970SP**	$	*623.50*	**LV847971SP**	$	*1,442.00*
4000b/5000 A	Vertical	2 x	**LV847966SP**	$	*400.50*	**LV847967SP**	$	*430.00*
	Horizontal	2 x	**LV847966SP**	$	*400.50*	**LV847967SP**	$	*430.00*
6300 A	Vertical	2 x	**LV847968SP**	$	*623.50*	**LV847969SP**	$	*867.00*

Drawout circuit breakers

Front connection / Replacement kit (3 or 4 parts)

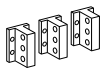
DB424427



		3P		Price (S$)	4P		Price (S$)
800-1600 A	Top or bottom	**LV847960SP**	$	*522.50*	**LV847961SP**	$	*737.00*
2000/3200 A	Top or bottom	**LV847962SP**	$	*748.00*	**LV847963SP**	$	*964.00*

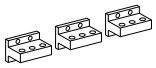
Rear connection (vertical or horizontal mounting) / Replacement kit (3 or 4 parts)

DB404366



Vertical mounting

DB404367



Horizontal mounting

			3P		Price (S$)	4P		Price (S$)
800-2000 A types N1/H1/H2	Vertical		**LV847966SP**	$	*400.50*	**LV847967SP**	$	*430.00*
800-1600 A types H3/L1	Horizontal		**LV847966SP**	$	*400.50*	**LV847967SP**	$	*430.00*
2500/3200 A types H1/H2	Vertical		**LV847966SP**	$	*400.50*	**LV847967SP**	$	*430.00*
2000/3200 A types H3/L1	Horizontal		**LV847966SP**	$	*400.50*	**LV847967SP**	$	*430.00*
4000 A	Vertical		**LV847968SP**	$	*623.50*	**LV847969SP**	$	*867.00*
	Horizontal		**LV847970SP**	$	*623.50*	**LV847971SP**	$	*1,442.00*
4000b/5000 A	Vertical	2 x	**LV847966SP**	$	*400.50*	**LV847967SP**	$	*430.00*
	Horizontal	2 x	**LV847966SP**	$	*400.50*	**LV847967SP**	$	*430.00*
6300 A	Vertical	2 x	**LV847968SP**	$	*623.50*	**LV847969SP**	$	*867.00*

Connection accessories

Disconnectable front-connection adapter for fixed circuit breaker (3 or 4 parts)

DB418156

	3P		Price (S$)	4P		Price (S$)
1600 A	**LV848421SP**	$	*798.00*	**LV848424SP**	$	*1,044.00*
2000/3200 A	**LV848422SP**	$	*952.50*	**LV848425SP**	$	*1,244.00*

Interphase barriers / Replacement kit (3 parts)

DB404368

	3P		Price (S$)	4P		Price (S$)
For fixed rear-connected circuit breaker	**LV848599SP**	$	*431.00*	**LV848599SP**	$	*431.00*
For drawout rear-connected circuit breaker	**LV848600SP**	$	*321.00*	**LV848600SP**	$	*321.00*

Additional support brackets for mounting on a backplate

DB404369

		Price (S$)
For fixed rear-connected circuit breaker (2 parts)	**LV847829SP**	$ *170.50*

Grounding kit KTM

DB424667

			Price (S$)
Grounding kit for Masterpact MTZ2/3 fixed			
	Side plate kit	**LV848556SP**	$ *25.50*
	Device earthing kit	**LV848557SP**	$ *53.50*
Grounding kit for Masterpact MTZ2/3 drawout		**LV848557SP**	$ *53.50*

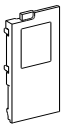
Micrologic X control unit, communication option, accessories

unit price (excl. GST in Singapore Dollars)

Replacement parts for Micrologic X control units

Micrologic X embedded display (EHMI)

DB421423



				Price (S$)
Micrologic X embedded display & wireless card		**LV850054SP**	$	*958.50*

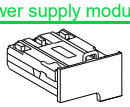
Micrologic X Battery + Transparent cover

DB421424

				Price (S$)
Battery (1 part)		**LV833593SP**	$	*201.00*
Transparent Cover (1 part)	For Micrologic X	**LV850053SP**	$	*30.50*

Voltage power supply module (VPS) for Micrologic X

DB421408



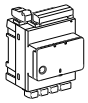
				Price (S$)
Voltage power supply module (VPS) for Micrologic X		**LV850060SP**	$	*696.00*

Communication option

DB421425

DB421426

DB421427



DB421428

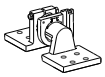
				Price (S$)
EIFE	Embedded Ethernet interface for LV breaker	**LV851200SP**	$	*936.50*
IFM	Modbus interface	**LV434000**	$	*424.50*
IFE	Ethernet interface LV breaker	**LV434001**	$	*901.50*
	Ethernet interface for LV breakers and gateway	**LV434002**	$	*1,366.00*
I/O application module		**LV434063**	$	*895.00*
Microswitches for MTZ2/3		**LV847905SP**	$	*166.00*

Accessories

External sensors

External sensor for earth-fault protection (TCE) / 1 part

DB421349



				Price (S$)
Sensor rating	400/2000 A	**LV834035SP**	$	*1,458.00*
	1000/4000 A	**LV834036SP**	$	*1,461.00*
	4000/6300 A (MTZ3)	**LV848182SP**	$	*2,958.50*
Single sensor kit	2000/6300 A	**LV848904SP**	$	*11,340.00*
3 layer bus	2000 A	**LV848905SP**	$	*4,418.50*

Source ground return (SGR) earth-fault protection / 1 part

DB424661

				Price (S$)
External sensor (SGR)		**LV833579SP**	$	*1,589.00*
MDGF summing module		**LV848891SP**	$	*1,995.00*

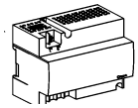
Rectangular sensor for earth-leakage protection + Vigi cable / 1 part (up to 3200 A)

DB424660

				Price (S$)
280 mm x 115 mm		**LV833573SP**	$	*4,794.50*
470 mm x 160 mm		**LV833574SP**	$	*4,321.50*

External power supply module (AD) / 1 part

DB117082



				Price (S$)
24-30 V DC		**LV454440**	$	*901.00*
48-60 V DC		**LV454441**	$	*901.00*
100-125 V DC		**LV454442**	$	*901.00*
110-130 V AC		**LV454443**	$	*625.00*
200-240 V AC		**LV454444**	$	*505.00*

USB Cable (miniUSB/USB) for Micrologic X / 1 part

DB421409

				Price (S$)
USB Cable (miniUSB/USB) for Micrologic X / 1 part		**LV850067SP**	$	*105.50*

Mobile Powerpack for Micrologic X (by APC) / 1 part

DB421410

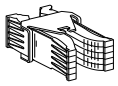
				Price (S$)
Mobile Powerpack for Micrologic X (by APC) / 1 part		**LV850055SP**	$	*290.00*

Clusters

unit price (excl. GST in Singapore Dollars)

Clusters

DB402280_1



X 6

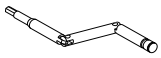
				Price (S$)
Kit of 6 disconnecting contact clusters for chassis (see table below)	**LV864906SP**	$	*298.00*

Table : number of clusters required for the different chassis models

	Masterpact MTZ2-3 3P						Masterpact MTZ2-3 4P					
	N1 NA	H1 HA	H10 HA10	H2 HF	H3	L1	N1 NA	H1 HA	H10 HA10	H2 HF	H3	L1
MTZ2 08 to 16	12	12	12	24					8	16		32
MTZ2 20	24	24	24	24	24	42	32	32	32	32	32	56
MTZ2 25		24	24	24	24			32	32	32	32	
MTZ2 32		36	36	36	36			48	48	48	48	
MTZ2 40		42	42	42	42			56	56	56	56	
MTZ3 40 to 50		72		72				96		96		
MTZ3 63		72		72				96		96		

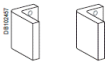
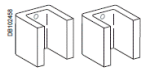
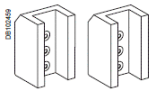
Racking handle

DB403281



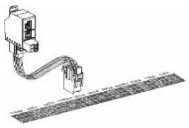
			Price (S$)
Racking handle	**LV847944SP**	$	*168.00*

Raking terminals for converting a fixed into a drawout circuit breaker (for 1 pole = top + bottom)

	Device type	Quantity to be ordered 3P	4P	Part number		Price (S$)
	MTZ2 08-16 N1/NA/H1/HA	3	4	**LV847908SP**	$	*263.00*
	MTZ2 20 N1 MTZ2 20-25 H1/H2/HA	3	4	**LV847909SP**	$	*330.00*
	MTZ2 32-40 H1/H2/HA	3	4	**LV847912SP**	$	*396.00*

NW chassis retrofit to MTZ2/3

DB431701



Kit for retrofitting an NW chassis for MTZ2/3 moving part
For more information: retrofit kit instruction sheet (QGH31931)

			Price (S$)
	LV850066SP	$	*176.00*

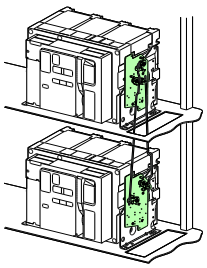
Mechanical interlocking for source changeover

unit price (excl. GST in Singapore Dollars)

Mechanical interlocking for source changeover

Interlocking of 2 devices using connecting rods

DB421405



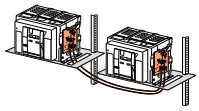
Choose 1 set of 2 adaptation fixtures (1 for each device) + 1 set of rods			Price (S$)
1 set of 2 adaptation fixtures for Masterpact MTZ2 or MTZ3 fixed or drawout device	**LV847930SP**	$	*971.00*
1 set of 2 interlocking rods	**LV833210SP**	$	*394.50*

Can be used with 1 MTZ2/3 fixed + 1 MTZ2/3 drawout.

Note: *the installation manual is enclosed.*

Interlocking of 2 devices using cables [1]

DB421406

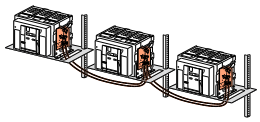


Choose 2 adaptation fixtures (1 for each device) + 1 set of cables			Price (S$)
1 adaptation fixture for Masterpact MTZ2/3 fixed devices	**LV847926SP**	$	*518.00*
1 adaptation fixture for Masterpact MTZ2/3 drawout devices	**LV847926SP**	$	*518.00*
1 set of 2 cables	**LV833209SP**	$	*261.50*

[1] Can be used with any combination of MTZ1 or MTZ2/3, fixed or drawout devices.

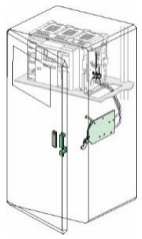
Interlocking of 3 devices using cables

DB421407



Choose 3 adaptation (inclusing 3 adaptation fixtures + cables)			Price (S$)
3 sources, only 1 device closed, fixed or drawout devices	**LV848610SP**	$	*3,005.00*
2 sources + 1 coupling, fixed or drawout devices	**LV848609SP**	$	*2,908.00*
2 normal + 1 replacement source, fixed or drawout devices	**LV848608SP**	$	*3,005.00*

Cable-type door interlock



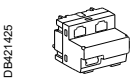
			Price (S$)
1 complete assembly for Masterpact MTZ2/3 fixed or drawout device	**LV848614SP**	$	*2,202.00*

Note: *the installation manual is enclosed.*

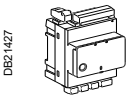
Communication, monitoring and control

unit price (excl. GST in Singapore Dollars)

Communication option

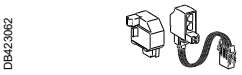


				Price (S$)
EIFE	Embedded Ethernet module full spare part kit for MTZ2/3-drawout	**LV851200SP**	$	*936.50*
	Embedded Ethernet spare part module MTZ1/2/3-drawout	**LV851001SP**	$	*936.50*
IFM	Modbus interface	**LV434000**	$	*424.50*
IFE	Ethernet interface for LV breaker	**LV434001**	$	*901.50*
	Ethernet interface for LV breakers and gateway	**LV434002**	$	*1,366.00*



Microswitches for MTZ2/3	**LV847905SP**	$	*166.00*
EIFE Acessories spare part kit for MTZ2/3	**LV851220SP**	$	*331.00*
I/O application module	**LV434063**	$	*895.00*

ULP port modules



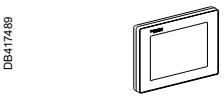
			Price (S$)
ULP port - for Masterpact MTZ2/3 - fixed	**LV850061SP**	$	*319.50*
ULP port - for Masterpact MTZ2/3 - drawout	**LV850062SP**	$	*253.00*

Accessories for Diagnostics & Communicating Releases

			Price (S$)
Isolation module - for MX1/XF communicating coils	**LV850056SP**	$	*829.50*

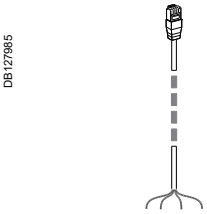
Monitoring and control

Ethernet display module



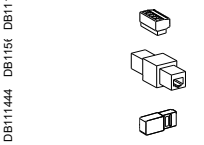
			Price (S$)
Switchboard front display module FDM128	**LV434128**	$	*1,673.50*

ULP wiring accessories [1]



			Price (S$)
Breaker ULP cord L = 0.35 m	**LV434195**	$	*16.50*
Breaker ULP cord L = 1.3 m	**LV434196**	$	*25.50*
Breaker ULP cord L = 3 m	**LV434197**	$	*48.00*
Breaker ULP cord L = 5 m	**LV434198**	$	*209.00*

Connector Modbus adaptor	**LV434211**	$	*201.00*



10 Modbus line terminators	**VW3A8306DRC** [2]	$	*29.15*
5 RJ45 connectors female/female	**TRV00870**	$	*126.00*
10 ULP line terminators	**TRV00880**	$	*56.50*

10 RJ45/RJ45 male cord L = 0.3 m	**TRV00803**	$	*103.00*
10 RJ45/RJ45 male cord L = 0.6 m	**TRV00806**	$	*143.50*
5 RJ45/RJ45 male cord L = 1 m	**TRV00810**	$	*94.00*
5 RJ45/RJ45 male cord L = 2 m	**TRV00820**	$	*155.00*
5 RJ45/RJ45 male cord L = 3 m	**TRV00830**	$	*199.00*
1 RJ45/RJ45 male cord L = 5 m	**TRV00850**	$	*61.00*

[1] *For measurement display with Micrologic X.*
[2] *See TeSys catalogue.*

ESM: ERMS Switch Module

unit price (excl. GST in Singapore Dollars)

ESM: ERMS Switch Module

ESM: ERMS switch module

The ESM optional hardware module is used with an external lockable selector switch to engage/disengage the ERMS function. It is equipped with one input dedicated to the ERMS selector switch and one output to activate an external pilot light when the ERMS is engaged. The input and the output must be powered with the same control voltage (24 Vdc or 24...110 Vac). The ESM optional hardware module requires the MicroLogic X control unit to be supplied by an external 24 V dc power supply. When the ESM optional hardware module is installed, the M2C optional module 2 contacts cannot be installed.

MasterPact MTZ 1 Fixed	**LV836301**	*$*	*703.50*
MasterPact MTZ 1 Drawout	**LV836302**	*$*	*995.50*
MasterPact MTZ 2 Fixed	**LV836301**	*$*	*703.50*
MasterPact MTZ 2 Drawout	**LV836303**	*$*	*416.60*
MasterPact MTZ 3 Fixed	**LV836301**	*$*	*703.50*
MasterPact MTZ 3 Drawout	**LV836303**	*$*	*416.60*

unit price (excl. GST in Singapore Dollars)

Sensor Plugs and Terminals

			Price (S$)
SENSOR PLUG 1000A NSX MTZ1 MTZ2 N°7	**LV833093**	$	32.00
SENSOR PLUG 1250A NSX MTZ1 MTZ2 N°9	**LV833094**	$	32.00
SENSOR PLUG 1600A NSX MTZ1 MTZ2 N°10	**LV833095**	$	32.00
SENSOR PLUG 2000A NSX MTZ2 N°11	**LV833982**	$	32.00
SENSOR PLUG 2000A MTZ3 N°18	**LV847821**	$	32.00
SENSOR PLUG 2500A NSX MTZ2 N°12	**LV833983**	$	32.00
SENSOR PLUG 2500A MTZ3 N°19	**LV847822**	$	32.00
SENSOR PLUG 3200A NSX MTZ2 N°14	**LV833984**	$	32.00
SENSOR PLUG 3200A MTZ3 N°21	**LV847823**	$	32.00
SENSOR PLUG 4000A NSX MTZ2 N°16	**LV847820**	$	32.00
SENSOR PLUG 4000A MTZ3 N°23	**LV847824**	$	32.00
SENSOR PLUG 400A NSX MTZ1 MTZ2 N°3	**LV847053**	$	32.00
SENSOR PLUG 5000A MTZ3 N°24	**LV847825**	$	32.00
SENSOR PLUG 6300A MTZ3 N°26	**LV847826**	$	32.00
SENSOR PLUG 630A NSX MTZ1 MTZ2 N°5	**LV833091**	$	32.00
SENSOR PLUG 800A NSX MTZ1 MTZ2 N°6	**LV833092**	$	32.00
COM WIRING AND MICROSWITCHES MTZ2-3	**LV847905**	$	166.00
COM WIRING AND MICROSWITCHES MTZ1	**LV847906**	$	148.00
ULP port module for drawout MTZ2/3	**LV836387**	$	168.50
ULP Port module for drawout MTZ1	**LV836386**	$	479.00

EasyPact MVS08 to MVS40 circuit breakers

Overview of Air circuit breaker

The codes on this page are not commercial references, but product selector codes to be input into product selector to generate the basic breaker configuration

GCR_MVSB2_CB

unit price (excl. GST in Singapore Dollars)

MVS Circuit Breaker

A EasyPact MVS circuit breaker consist of:
- a basic circuit breaker
- a TS 2.0S control unit
- horizontal connections for both top and bottom
- 4 auxiliary contacts (4OF)
- 1 trip indication contact (SDE)

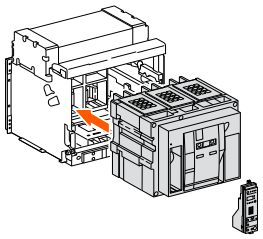
In (A at 40°C)	Icu/Ics (kA @ 220/415V)	Icw (1sec)	Icw (3sec)	Fixed (Manual) 3 Pole		Fixed (Manual) 4 Pole	
Type H					**Price (S$)**		**Price (S$)**
800	66/66	66	50	**MVS208H3MF2SH**	*4,393.50*	**MVS208H4MF2SH**	*4,446.50*
1000	66/66	66	50	**MVS210H3MF2SH**	*3,603.00*	**MVS210H4MF2SH**	*4,586.50*
1250	66/66	66	50	**MVS212H3MF2SH**	*3,689.00*	**MVS212H4MF2SH**	*4,669.00*
1600	66/66	66	50	**MVS216H3MF2SH**	*3,774.50*	**MVS216H4MF2SH**	*4,753.00*
2000	66/66	66	50	**MVS220H3MF2SH**	*4,670.50*	**MVS220H4MF2SH**	*5,462.50*
2500	66/66	66	50	**MVS225H3MF2SH**	*5,325.00*	**MVS225H4MF2SH**	*7,348.00*
3200	66/66	66	50	**MVS232H3MF2SH**	*6,881.50*	**MVS232H4MF2SH**	*9,046.00*
4000	66/66	66	50	**MVS240H3MF2SH**	*10,347.50*	**MVS240H4MF2SH**	*12,738.50*

Additional equipped for drawout breaker
- chassis with safety shutter
- door frame
- disconnected position locking (padlocks excluded)

				Drawout (Manual) 3 Pole		Drawout (Manual) 4 Pole	
Type H					**Price (S$)**		**Price (S$)**
800	66/66	66	50	**MVS208H3MW2SH**	*5,133.50*	**MVS208H4MW2SH**	*6,131.50*
1000	66/66	66	50	**MVS210H3MW2SH**	*4,296.00*	**MVS210H4MW2SH**	*6,262.50*
1250	66/66	66	50	**MVS212H3MW2SH**	*4,377.50*	**MVS212H4MW2SH**	*6,362.00*
1600	66/66	66	50	**MVS216H3MW2SH**	*4,457.00*	**MVS216H4MW2SH**	*6,452.00*
2000	66/66	66	50	**MVS220H3MW2SH**	*5,655.00*	**MVS220H4MW2SH**	*6,742.00*
2500	66/66	66	50	**MVS225H3MW2SH**	*6,994.50*	**MVS225H4MW2SH**	*8,276.00*
3200	66/66	66	50	**MVS232H3MW2SH**	*8,955.50*	**MVS232H4MW2SH**	*11,426.00*
4000	66/66	66	50	**MVS240H3MW2SH**	*12,208.00*	**MVS240H4MW2SH**	*15,771.50*

Additional equipped for electrically operated breaker
- gear motor on/off mechanism (MCH)
- closing release (XF)
- opening release (MX)

				Fixed (Electrical) (1) 3 Pole		Fixed (Electrical) (1) 4 Pole	
Type H					**Price (S$)**		**Price (S$)**
800	66/66	66	50	**MVS208H3NF2SH**	*6,331.50*	**MVS208H4NF2SH**	*6,384.50*
1000	66/66	66	50	**MVS210H3NF2SH**	*5,541.00*	**MVS210H4NF2SH**	*6,524.50*
1250	66/66	66	50	**MVS212H3NF2SH**	*5,627.00*	**MVS212H4NF2SH**	*6,607.00*
1600	66/66	66	50	**MVS216H3NF2SH**	*5,712.50*	**MVS216H4NF2SH**	*6,691.00*
2000	66/66	66	50	**MVS220H3NF2SH**	*6,608.50*	**MVS220H4NF2SH**	*7,400.50*
2500	66/66	66	50	**MVS225H3NF2SH**	*7,263.00*	**MVS225H4NF2SH**	*9,286.00*
3200	66/66	66	50	**MVS232H3NF2SH**	*8,819.50*	**MVS232H4NF2SH**	*10,984.00*
4000	66/66	66	50	**MVS240H3NF2SH**	*12,285.50*	**MVS240H4NF2SH**	*14,676.50*



Basic drawout circuit breaker <4000 A

				Drawout (Electrical) (1) 3 Pole		Drawout (Electrical) (1) 4 Pole	
Type H					**Price (S$)**		**Price (S$)**
800	66/66	66	50	**MVS208H3NW2SH**	*7,282.00*	**MVS208H4NW2SH**	*8,280.00*
1000	66/66	66	50	**MVS210H3NW2SH**	*6,444.50*	**MVS210H4NW2SH**	*8,411.00*
1250	66/66	66	50	**MVS212H3NW2SH**	*6,526.00*	**MVS212H4NW2SH**	*8,510.50*
1600	66/66	66	50	**MVS216H3NW2SH**	*6,605.50*	**MVS216H4NW2SH**	*8,600.50*
2000	66/66	66	50	**MVS220H3NW2SH**	*7,803.50*	**MVS220H4NW2SH**	*8,890.50*
2500	66/66	66	50	**MVS225H3NW2SH**	*9,143.00*	**MVS225H4NW2SH**	*10,424.50*
3200	66/66	66	50	**MVS232H3NW2SH**	*11,104.00*	**MVS232H4NW2SH**	*13,574.50*
4000	66/66	66	50	**MVS240H3NW2SH**	*14,356.50*	**MVS240H4NW2SH**	*17,920.00*

Price adder to basic breaker with ET2I control unit		**Price adder (S$)**
(Factory assembled only. Order separately is strictly prohibited.)		**Price (S$)**
5.0S	selective protection	*534.50*
6.0S	selective + earth-fault protection	*1,313.50*

(1) Supplied with spring charge motor (MCH), opening release (MX) and closing release (XF) with 240VAC control voltage rating. For other voltage please consult your sales representative

Testing Kit	**Reference**	**Price (S$)**
Function Test and Isolation Module	LV910200SP	$ *800.00*

Connection and Indication contacts

unit price (excl. GST in Singapore Dollars)

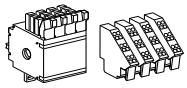
Rear connection accessories

E46428

			Price (S$)
Interphase barriers	3P/4P (3 parts)	**48599**	*183.50*

ON/OFF indication contacts (OF)

E46432



		Price (S$)
1 additional block of 4 contacts (2 max.)	**48198**	*364.50*

Instantaneous voltage releases

E46437

		Closing release		Opening release	
Standard	**Voltage**	**XF**	**Price ($)**	**MX**	**Price ($)**
AC 50/60 Hz	24-30 V DC, 24 V AC	**47350**	*264.00*	**47360**	*264.00*
DC	48/60 V DC, 48 V AC	**47351**	*252.00*	**47361**	*359.50*
	100-130 V	**MVS21801**	*194.50*	**47362**	*252.00*
	200-250 V	**MVS21803**	*194.50*	**47363**	*252.00*
	380-480 V AC	**MVS21805**	*194.50*	**47365**	*264.00*

Ready to close contact (1 max.)

E46438

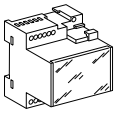
	PF	Price (S$)
1 changeover contact (5 A - 240 V)	47342	*190.00*

Instantaneous voltage release

E46437

	Voltage	MN	Price ($)
AC 50/60 Hz	24-30 V DC, 24 V AC	**47380**	*264.00*
DC	48-60 V DC, 48 V AC	**47381**	*359.50*
	100-130 V	**47382**	*252.00*
	200-250 V	**47383**	*252.00*
	380-480 V AC	**47385**	*264.00*

MN delay unit



	Voltage	R (non-adjustable)	Price ($)	Rr (adjustable)	Price ($)
AC 50/60 Hz	48-60 V	NA		**33680**	*385.50*
DC	100-130 V	**33684**	*493.00*	**33681**	*385.50*
	200-250 V	**33685**	*355.00*	**33682**	*385.50*
	380-480 V	NA		**33683**	*385.50*

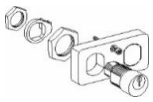
Must be used with instantaneous under-voltage releases (MN)

unit price (excl. GST in Singapore Dollars)

Interphase barriers

		Price (S$)
3P/4P (3 parts)	**48600**	*183.50*

Disconnected position locking



By Profalux keylocks

			Price (S$)
Profalux	1 lock with 1 key + adaptation kit	**48568**	*352.50*
	2 locks 1 key + adaptation kit	**48569**	*689.00*
	2 locks 2 different keys + adaptation kit	**48570**	*526.00*

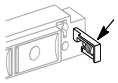
By Ronis keylocks

			Price (S$)
Ronis	1 lock with 1 key + adaptation kit	**48572**	*341.50*
	2 locks 1 key + adaptation kit	**48573**	*689.00*
	2 locks 2 different keys + adaptation kit	**48574**	*689.00*

Door interlock (1 part)

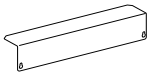
		Price (S$)
Right-hand side of chassis	**48579**	*256.50*
Left-hand side of chassis	**48580**	*256.50*

Racking interlock



		Price (S$)
1 part	**48582**	*147.50*

Auxiliary terminal shield (CB)



			Price (S$)
800/4000 A	3P	**64942**	*223.00*
	4P	**48596**	*205.00*

Shutter locking block (for replacement)

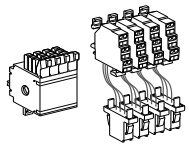
		Price (S$)
2 parts for 800/4000 A	**48591**	*106.00*

Remote operation

unit price (excl. GST in Singapore Dollars)

ON/OFF indication contacts (OF)

E46689



		Price (S$)
1 additional block of 4 contacts (2 max.)	**48468**	*364.50*

Carriage switches (connected / disconnected / test position)

E46661

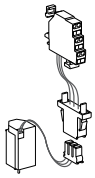
Changeover contacts (8 A - 240V)		
		Price (S$)
1 connected position contact (3 max.)	**33751**	*72.00*
1 test position contact (3 max.)	**33752**	*72.00*
1 disconnected position contact (3 max.)	**33753**	*72.00*

Auxiliary terminals for chassis alone

		Price (S$)
3 wire terminal (30 parts)	**47898**	*625.00*
6 wire terminal (10 parts)	**47899**	*642.00*

Instantaneous voltage releases

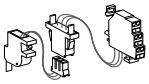
E46693



		Closing release		Opening release	
Standard		**XF**	**Price ($)**	**MX**	**Price ($)**
AC 50/60 Hz	24-30 V DC, 24 V AC	**48481**	*258.50*	**48491**	*258.50*
DC	48-60 V DC, 48 V AC	**48482**	*252.00*	**48492**	*252.00*
	100-130 V	**MVS21802**	*194.50*	**48493**	*252.00*
	200-250 V	**MVS21804**	*194.50*	**48494**	*252.00*
	380-480 V AC	**MVS21806**	*194.50*	**48496**	*264.00*

Ready to close contact (1 max.)

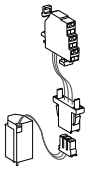
E46695



	PF	Price ($)
1 changeover contact (5 A - 240 V)	**48469**	*192.50*

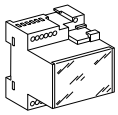
Instantaneous voltage release

E46693



	Voltage	MN	Price ($)
AC 50/60 Hz	24-30 V DC, 24 V AC	**48501**	*264.00*
DC	48-60 V DC, 48 V AC	**48502**	*359.50*
	100-130 V	**48503**	*252.00*
	200-250 V	**48504**	*252.00*
	380-480 V AC	**48506**	*264.00*

MN delay unit



	Voltage	R (non-adjustable)	Price ($)	Rr (adjustable)	Price ($)
AC 50/60 Hz	48-60 V	NA		**33680**	*385.50*
DC	100-130 V	**33684**	*493.00*	**33681**	*385.50*
	200-250 V	**33685**	*355.00*	**33682**	*385.50*
	380-480 V	NA		**33683**	*385.50*

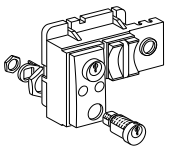
Must be used with instantaneous voltag releases (MN)

unit price (excl. GST in Singapore Dollars)

Pushbutton locking device

		Price (S$)
By padlocks	**48536**	*95.00*

OFF position locking



By Profalux keylocks

			Price (S$)
Profalux	1 lock with 1key + 1 adaptation kit	**48545**	*409.00*
	2 locks 1 key + 1 adaptation kit	**48546**	*578.50*
	2 locks 2 different keys + 1 adaptation kit	**48547**	*578.50*

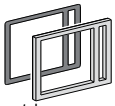
By Ronis keylocks

			Price (S$)
Ronis	1 lock with 1key + 1 adaptation kit	**48549**	*324.50*
	2 locks 1 key + 1 adaptation kit	**48550**	*545.00*
	2 locks 2 different keys + 1 adaptation kit	**48551**	*719.00*

Mechanical operation counter

		Price (S$)
Operation counter CDM	**48535**	*407.00*

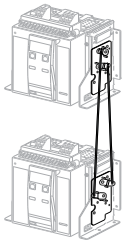
Escutcheon and accessories



Escutcheon Cover Blanking plate

	Fixed	Price (S$)	Drawout	Price (S$)
Escutcheon	**48601**	*164.00*	**48603**	*172.50*
Transparent cover IP 54			**48604**	*669.00*
Escutcheon blanking plate	**48605**	*231.50*	**48605**	*231.50*

Interlocking of 2 devices using connecting rods



Complete assembly with 2 adaptation fixtures + rods

		Price (S$)
2 EasyPact MVS fixed devices	**48612**	*1,175.50*
2 EasyPact MVS drawout devices	**48612**	*1,175.50*

Can be used with 1 MVS fixed + 1 MVS drawout.

Interlocking of 2 devices using cables (*)

Choose 2 adaptation sets (1 for each device + 1 set of cables)

		Price (S$)
1 adaptation fixture for EasyPact MVS fixed devices	**47926**	*506.00*
1 adaptation fixture for EasyPact MVS drawout devices	**47926**	*506.00*
1 set of 2 cables	**33209**	*258.50*

(*) Can be used with any combination of MVS, fixed or drawout devices.

Interlocking of 3 devices using cables

Choose 3 adaptation (including 3 adaptation fixtures + cables)

		Price (S$)
3 sources, only 1 device closed, fixed or drawout devices	**48610**	*2,144.00*
2 sources + 1 coupling, fixed or drawout devices	**48609**	*2,693.00*
2 normal + 1 replacement source, fixed or drawout devices	**48608**	*2,144.00*

		Price (S$)
1 complete assembly for EasyPact MVS fixed or drawout device	**48614**	*1,135.00*

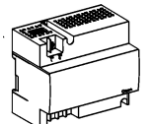
Accessories for ET trip unit

unit price (excl. GST in Singapore Dollars)

External sensors

External sensor for earth-fault protection (TCE)			
			Price (S$)
Sensor rating	400/2000 A (for MVS08 - MVS20)	**34035**	*1,294.50*
	1000/4000 A (for MVS25 - MVS40)	**34036**	*1,490.50*

External power supply module



		Price (S$)
24-30 V DC	**LV454440**	*901.00*
48-60 V DC	**LV454441**	*901.00*
100-125 V DC	**LV454442**	*901.00*
110-130 V AC	**LV454443**	*625.00*
200-240 V AC	**LV454444**	*505.00*

Mini test kit

E59921

		Price (S$)
	33594	*2,459.63*

EasyPact MVS08 to MVS40 circuit breakers

Fixed and drawout switch-disconnectors

The codes on this page are not commercial references, but product selector codes to be input into product selector to generate the basic breaker configuration

GCR_MVSB2_SD

unit price (excl. GST in Singapore Dollars)

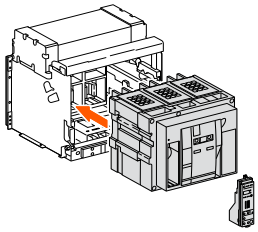
MVS Circuit Breaker

A EasyPact MVS switch-disconnector consist of:
- the basic switch-disconnector
- horizontal connections for both top and bottom
- 4 auxiliary contacts (4OF)

In (A at 40°C)	Icm (kA @ 220/415V)	Icw (1sec)	Icw (3sec)	Fixed 3 Pole		Fixed 4 Pole	
Type H					**Price (S$)**		**Price (S$)**
800	145	66	50	**MVS208H3MF0DH**	*3,317.50*	**MVS208H4MF0DH**	*4,132.50*
1000	145	66	50	**MVS210H3MF0DH**	*4,131.00*	**MVS210H4MF0DH**	*4,165.50*
1250	145	66	50	**MVS212H3MF0DH**	*3,445.50*	**MVS212H4MF0DH**	*4,246.50*
1600	145	66	50	**MVS216H3MF0DH**	*4,325.00*	**MVS216H4MF0DH**	*4,324.50*
2000	145	66	50	**MVS220H3MF0DH**	*5,664.00*	**MVS220H4MF0DH**	*5,405.00*
2500	145	66	50	**MVS225H3MF0DH**	*5,266.00*	**MVS225H4MF0DH**	*7,506.00*
3200	145	66	50	**MVS232H3MF0DH**	*8,589.00*	**MVS232H4MF0DH**	*9,233.00*
4000	145	66	50	**MVS240H3MF0DH**	*10,371.00*	**MVS240H4MF0DH**	*12,755.50*

Additional equipped for drawout switch disconnectors
- chassis with safety shutter
- arc chute cover
- door frame
- disconnected position locking (padlocks excluded)

				Drawout 3 Pole		Drawout 4 Pole	
Type H					**Price (S$)**		**Price (S$)**
800	145	66	50	**MVS208H3MW0DH**	*5,108.00*	**MVS208H4MW0DH**	*5,198.00*
1000	145	66	50	**MVS210H3MW0DH**	*5,297.00*	**MVS210H4MW0DH**	*5,310.50*
1250	145	66	50	**MVS212H3MW0DH**	*5,366.00*	**MVS212H4MW0DH**	*5,436.00*
1600	145	66	50	**MVS216H3MW0DH**	*5,454.00*	**MVS216H4MW0DH**	*5,471.00*
2000	145	66	50	**MVS220H3MW0DH**	*6,929.50*	**MVS220H4MW0DH**	*6,664.00*
2500	145	66	50	**MVS225H3MW0DH**	*8,396.50*	**MVS225H4MW0DH**	*8,932.50*
3200	145	66	50	**MVS232H3MW0DH**	*10,890.50*	**MVS232H4MW0DH**	*11,420.00*
4000	145	66	50	**MVS240H3MW0DH**	*15,325.00*	**MVS240H4MW0DH**	*16,035.50*



Basic switch-disconnector < 4000 A

ComPact NSX100 - 630 Circuit Breakers
Complete fixed/ Front Connection device

NSX100/160/250B B1
NSX100/160/250F B3
NSX100/160/250N B5
NSX100/160/250H B7
NSX100/160/250S B9
NSX100/160/250L B11
NSX100/250R B13
NSX100/250HB1 B14
NSX100/250HB2 B15
NSX100/160/250NA B15
Trip unit accessories & Installation and connection for NSX100/160/250 B16
Accessories and Auxiliaries for NSX100/160/250 B17 to B25

Complete fixed/ Front Connection device

NSX400/630F B26
NSX400/630N B28
NSX400/630H B30
NSX400/630S B32
NSX400/630L B34
NSX400/630R B36
NSX400/630HB1 B37
NSX400/630HB2 B38
Trip unit accessories for ComPacT NSX400/630NA & ComPacT NSX400K B39
Installation and Connection for NSX400/630 B40
Accessories and Auxillaries for NSX400/630 B41 to B49

ComPact NS630b - 3200 Circuit Breakers

Compact NS630b - 1600
Fixed version, manually operated B50
Fixed version, electrically operated B52
Withdrawable version, manually operated B54
Withdrawable version, electrically operated B63
Accessories for fixed devices B65
Accessories for withdrawable devices B66
Accessories for fixed and withdrawable devices B68

ComPact 1600b - 3200
Fixed version, manually operated B70
Accessories B73

EasyPact EZC circuit breakers

EZC100N/H 1P/2P B75
EZC100N/H/B/F 3P/4P B76
EZC100N/H/B/F accessories B77
EZC250N/H/F 2P/3P/4P B79
EZCV250N/H 3P/4P B80
EZC250N/H/F Accessories B81
EZC400N/H 3P/4P B83
EZC630N/H 3P/4P B84

EasyPact CVS100 - 630 Circuit Breaker

CVS100/160/250B: Complete fixed/Front connection B85
CVS100/160/250F: Complete fixed/Front connection B86
CVS100/160/250N: Complete fixed/Front connection B87
CVS100/160/250B/F/N: ETS 2.2 electronic trip unit B88

Accessories for CVS100/160/250 B89
- Connection accessories B89
- Insulation accessories B90
- Electrical auxiliaries: Auxiliary contacts (changeover) B91
- Rotary handle & Locks B92
- Interlocking, Installation and Spare parts B93

CVS400/630F: Complete device B94
CVS400/630N: Complete device B94
CVS400/630NA: Complete device (Switch-disconnectors) B94
CVS400/630H : Complete fixed/FC device B95

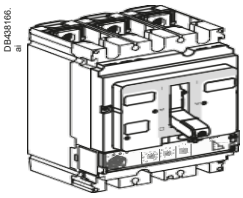
Accessories for CVS400/630
- Connection B96
- Insulation B97
- Electrical auxiliaries: Indication contacts B98
- Electrical auxiliaries: Remote operation
- Rotary handle & Locks B99
- Interlocking & Installation accessories B100

Complete Fixed Device
ComPacT NSX100/160/250B (25 kA 380/415 V)

unit price (excl. GST in Singapore Dollars)

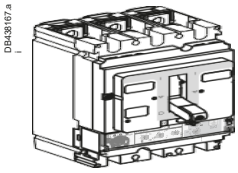
Complete Fixed Device

With thermal-magnetic trip unit TM-D



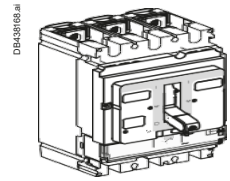
ComPacT NSX100B (25 kA at 380/415 V)						
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**	**4P 4d**	**Price (S$)**
TM16D	C10B3TM016	*285.50*	C10B6TM016	*418.50*	C10B4TM016	*526.50*
TM25D	C10B3TM025	*285.50*	C10B6TM025	*418.50*	C10B4TM025	*526.50*
TM32D	C10B3TM032	*285.50*	C10B6TM032	*418.50*	C10B4TM032	*526.50*
TM40D	C10B3TM040	*292.50*	C10B6TM040	*430.50*	C10B4TM040	*544.00*
TM50D	C10B3TM050	*292.50*	C10B6TM050	*430.50*	C10B4TM050	*544.00*
TM63D	C10B3TM063	*292.50*	C10B6TM063	*430.50*	C10B4TM063	*544.00*
TM80D	C10B3TM080	*292.50*	C10B6TM080	*430.50*	C10B4TM080	*544.00*
TM100D	C10B3TM100	*292.50*	C10B6TM100	*430.50*	C10B4TM100	*544.00*
ComPacT NSX160B (25 kA at 380/415 V)						
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**	**4P 4d**	**Price (S$)**
TM80D	C16B3TM080	*425.50*	C16B6TM080	*722.00*	C16B4TM080	*834.50*
TM100D	C16B3TM100	*425.50*	C16B6TM100	*722.00*	C16B4TM100	*834.50*
TM125D	C16B3TM125	*425.50*	C16B6TM125	*722.00*	C16B4TM125	*834.50*
TM160D	C16B3TM160	*428.50*	C16B6TM160	*727.50*	C16B4TM160	*843.00*
ComPacT NSX250B (25 kA at 380/415 V)						
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**	**4P 4d**	**Price (S$)**
TM125D	C25B3TM125	*710.00*	C25B6TM125	*1,203.50*	C25B4TM125	*1,315.00*
TM160D	C25B3TM160	*713.50*	C25B6TM160	*1,209.00*	C25B4TM160	*1,324.00*
TM200D	C25B3TM200	*713.50*	C25B6TM200	*1,209.00*	C25B4TM200	*1,324.00*
TM250D	C25B3TM250	*713.50*	C25B6TM250	*1,209.00*	C25B4TM250	*1,324.00*

With electronic trip unit MicroLogic 2.2 (LSOI protection)



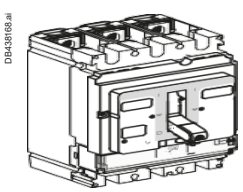
ComPacT NSX100B (25 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
40 A	C10B32D040	*483.00*	C10B42D040	*724.00*
100 A	C10B32D100	*483.00*	C10B42D100	*724.00*
ComPacT NSX160B (25 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C16B32D100	*615.50*	C16B42D100	*1,015.00*
160 A	C16B32D160	*625.50*	C16B42D160	*1,029.00*
ComPacT NSX250B (25 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C25B32D100	*900.50*	C25B42D100	*1,495.50*
160 A	C25B32D160	*911.50*	C25B42D160	*1,510.50*
250 A	C25B32D250	*911.50*	C25B42D250	*1,510.50*

With electronic trip unit MicroLogic Vigi 4.2 (LSOI protection) Vn Max= 440V



ComPacT NSX100B (25 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
40 A	C10B34V040	*2,381.00*	C10B44V040	*2,830.50*
100 A	C10B34V100	*2,249.50*	C10B44V100	*2,678.00*
ComPacT NSX160B (25 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C16B34V100	*2,382.50*	C16B44V100	*2,969.00*
160 A	C16B34V160	*2,903.00*	C16B44V160	*3,578.00*
ComPacT NSX250B (25 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C25B34V100	*2,668.00*	C25B44V100	*3,449.00*
160 A	C25B34V160	*3,187.50*	C25B44V160	*4,058.50*
250 A	C25B34V250	*3,655.50*	C25B44V250	*4,605.50*

With electronic trip unit MicroLogic Vigi 4.2AL (LSOIR Alarm) Vn Max= 440V



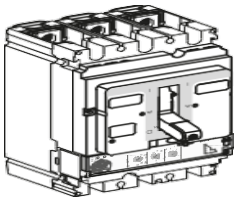
ComPacT NSX100B (25 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
40 A	C10B3 + C1034A040	*2,492.50*	C10B4 + C1044A040	*2,960.50*
100 A	C10B3 + C1034A100	*2,355.50*	C10B4 + C1044A100	*2,800.50*
ComPacT NSX160B (25 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C16B3 + C1034A100	*2,488.00*	C16B4 + C1044A100	*3,091.00*
160 A	C16B3 + C1634A160	*3,034.00*	C16B4 + C1644A160	*3,729.00*
ComPacT NSX250B (25 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C25B3 + C1034A100	*2,773.50*	C25B4 + C1044A100	*3,572.50*
160 A	C25B3 + C1634A160	*3,319.50*	C25B4 + C1644A160	*4,210.50*
250 A	C25B3 + C2534A250	*3,810.50*	C25B4 + C2544A250	*4,786.50*

Complete Fixed Device
ComPacT NSX100/160/250B (25 kA 380/415 V)

B

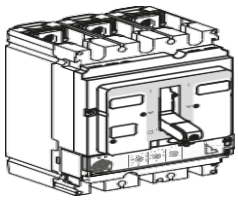
unit price (excl. GST in Singapore Dollars)

With electronic trip unit Micrologic 5.2 E (LSI protection, energy meter)



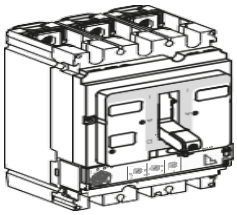
ComPact NSX100B (25 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
40	C10B3 + C1035E040	*1,978.50*	C10B4 + C1045E040	*2,289.50*
100	C10B3 + C1035E100	*1,945.50*	C10B4 + C1045E100	*2,261.00*
ComPact NSX160B (25 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C16B3 + C1035E100	*2,078.00*	C16B4 + C1045E100	*2,551.50*
160	C16B3 + C1635E160	*2,171.50*	C16B4 + C1645E160	*2,666.00*
ComPact NSX250B (25 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C25B3 + C1035E100	*2,363.50*	C25B4 + C1045E100	*3,033.00*
160	C25B3 + C1635E160	*2,457.00*	C25B4 + C1645E160	*3,147.50*
250	C25B3 + C2535E250	*2,569.00*	C25B4 + C2545E250	*3,320.50*

With electronic trip unit MicroLogic 6.2E (LSIG protection, energy meter)



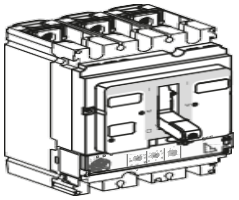
ComPact NSX100B (25 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
40	C10B3 + C1036E040	*2,328.50*	C10B4 + C1046E040	*2,935.00*
100	C10B3 + C1036E100	*2,289.50*	C10B4 + C1046E100	*2,890.00*
ComPact NSX160B (25 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C16B3 + C1036E100	*2,422.00*	C16B4 + C1046E100	*3,180.50*
160	C16B3 + C1636E160	*2,535.50*	C16B4 + C1646E160	*3,357.50*
ComPact NSX250B (25 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C25B3 + C1036E100	*2,707.50*	C25B4 + C1046E100	*3,662.00*
160	C25B3 + C1636E160	*2,821.00*	C25B4 + C1646E160	*3,839.00*
250	C25B3 + C2536E250	*2,876.00*	C25B4 + C2546E250	*3,873.50*

With electronic trip unit MicroLogic Vigi 7.2 E (LSIR protection) Vn Max =440V



ComPact NSX100B (25 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
40	C10B4 + C1047E040	*3,935.00*
100	C10B4 + C1047E100	*3,718.00*
ComPact NSX160B (25 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C16B4 + C1047E100	*4,008.50*
160	C16B4 + C1647E160	*4,877.00*
ComPact NSX250B (25 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C25B4 + C1047E100	*4,490.00*
160	C25B4 + C1647E160	*5,358.50*
250	C25B4 + C2547E250	*5,905.50*

With electronic trip unit MicroLogic Vigi 7.2 E - AL (LSIR Alarm) Vn Max =440V



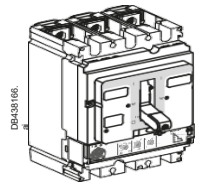
ComPact NSX100B (25 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
40	C10B4 + C1047A040	*3,935.00*
100	C10B4 + C1047A100	*3,718.00*
ComPact NSX160B (25 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C16B4 + C1047A100	*4,008.50*
160	C16B4 + C1647A160	*4,877.00*
ComPact NSX250B (25 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C25B4 + C1047A100	*4,490.00*
160	C25B4 + C1647A160	*5,358.50*
250	C25B4 + C2547A250	*6,139.50*

Complete Fixed Device
ComPacT NSX100/160/250F (36 kA 380/415 V)

unit price (excl. GST in Singapore Dollars)

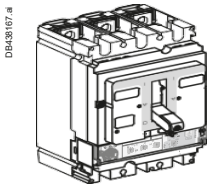
Complete Fixed Device

With thermal-magnetic trip unit TM-D



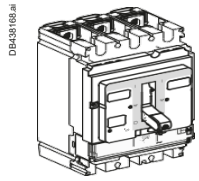
ComPacT NSX100F (36 kA at 380/415 V)						
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**	**4P 4d**	**Price (S$)**
TM16D	C10F3TM016	*303.00*	C10F6TM016	*433.50*	C10F4TM016	*540.00*
TM25D	C10F3TM025	*303.00*	C10F6TM025	*433.50*	C10F4TM025	*540.00*
TM32D	C10F3TM032	*303.00*	C10F6TM032	*433.50*	C10F4TM032	*540.00*
TM40D	C10F3TM040	*310.00*	C10F6TM040	*445.50*	C10F4TM040	*558.50*
TM50D	C10F3TM050	*310.00*	C10F6TM050	*445.50*	C10F4TM050	*558.50*
TM63D	C10F3TM063	*310.00*	C10F6TM063	*445.50*	C10F4TM063	*558.50*
TM80D	C10F3TM080	*310.00*	C10F6TM080	*445.50*	C10F4TM080	*558.50*
TM100D	C10F3TM100	*310.00*	C10F6TM100	*445.50*	C10F4TM100	*558.50*
ComPacT NSX160F (36 kA at 380/415 V)						
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**	**4P 4d**	**Price (S$)**
TM80D	C16F3TM080	*456.00*	C16F6TM080	*732.00*	C16F4TM080	*845.00*
TM100D	C16F3TM100	*456.00*	C16F6TM100	*732.00*	C16F4TM100	*845.00*
TM125D	C16F3TM125	*456.00*	C16F6TM125	*732.00*	C16F4TM125	*845.00*
TM160D	C16F3TM160	*458.50*	C16F6TM160	*738.00*	C16F4TM160	*853.00*
ComPacT NSX250F (36 kA at 380/415 V)						
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**	**4P 4d**	**Price (S$)**
TM125D	C25F3TM125	*743.50*	C25F6TM125	*1,255.50*	C25F4TM125	*1,367.50*
TM160D	C25F3TM160	*746.50*	C25F6TM160	*1,260.00*	C25F4TM160	*1,375.50*
TM200D	C25F3TM200	*746.50*	C25F6TM200	*1,260.00*	C25F4TM200	*1,375.50*
TM250D	C25F3TM250	*746.50*	C25F6TM250	*1,260.00*	C25F4TM250	*1,375.50*

With electronic trip unit MicroLogic 2.2 (LSOI protection)



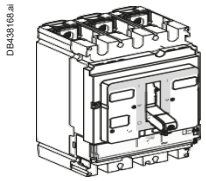
ComPacT NSX100F (36 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
40 A	C10F32D040	*500.50*	C10F42D040	*738.00*
100 A	C10F32D100	*500.50*	C10F42D100	*738.00*
ComPacT NSX160F (36 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C16F32D100	*646.50*	C16F42D100	*1,024.00*
160 A	C16F32D160	*655.50*	C16F42D160	*1,039.00*
ComPacT NSX250F (36 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C25F32D100	*934.00*	C25F42D100	*1,547.50*
160 A	C25F32D160	*944.00*	C25F42D160	*1,562.00*
250 A	C25F32D250	*944.00*	C25F42D250	*1,562.00*

With electronic trip unit MicroLogic Vigi 4.2 (LSOI protection) Vn Max= 440V



ComPacT NSX100F (36 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
40 A	C10F34V040	*2,398.00*	C10F44V040	*2,844.50*
100 A	C10F34V100	*2,267.50*	C10F44V100	*2,692.50*
ComPacT NSX160F (36 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C16F34V100	*2,413.00*	C16F44V100	*2,978.50*
160 A	C16F34V160	*2,932.50*	C16F44V160	*3,587.50*
ComPacT NSX250F (36 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C25F34V100	*2,700.50*	C25F44V100	*3,501.50*
160 A	C25F34V160	*3,220.50*	C25F44V160	*4,110.00*
250 A	C25F34V250	*3,689.00*	C25F44V250	*4,657.50*

With electronic trip unit MicroLogic Vigi 4.2AL (LSOIR Alarm) Vn Max= 440V

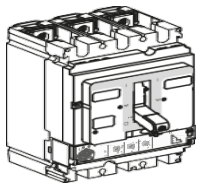


ComPacT NSX100F (36 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
40 A	C10F3 + C1034A040	*2,509.50*	C10F4 + C1044A040	*2,975.00*
100 A	C10F3 + C1034A100	*2,372.50*	C10F4 + C1044A100	*2,815.00*
ComPacT NSX160F (36 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C16F3 + C1034A100	*2,518.50*	C16F4 + C1044A100	*3,101.50*
160 A	C16F3 + C1634A160	*3,064.50*	C16F4 + C1644A160	*3,739.50*
ComPacT NSX250F (36 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C25F3 + C1034A100	*2,806.50*	C25F4 + C1044A100	*3,624.50*
160 A	C25F3 + C1634A160	*3,352.50*	C25F4 + C1644A160	*4,262.50*
250 A	C25F3 + C2534A250	*3,843.50*	C25F4 + C2544A250	*4,838.50*

Complete Fixed Device
ComPacT NSX100/160/250F (36 kA 380/415 V)

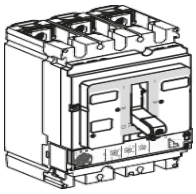
unit price (excl. GST in Singapore Dollars)

With electronic trip unit Micrologic 5.2 E (LSI protection, energy meter)



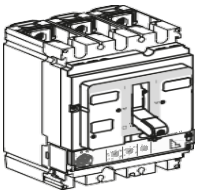
ComPact NSX100F (36 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
40	C10F3 + C1035E040	*1,995.50*	C10F4 + C1045E040	*2,304.00*
100	C10F3 + C1035E100	*1,962.50*	C10F4 + C1045E100	*2,275.50*
ComPact NSX160F (36 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C16F3 + C1035E100	*2,108.50*	C16F4 + C1045E100	*2,562.00*
160	C16F3 + C1635E160	*2,202.00*	C16F4 + C1645E160	*2,676.50*
ComPact NSX250F (36 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C25F3 + C1035E100	*2,396.50*	C25F4 + C1045E100	*3,085.00*
160	C25F3 + C1635E160	*2,490.00*	C25F4 + C1645E160	*3,199.50*
250	C25F3 + C2535E250	*2,602.00*	C25F4 + C2545E250	*3,372.50*

With electronic trip unit MicroLogic 6.2E (LSIG protection, energy meter)



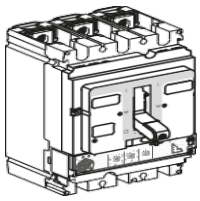
ComPact NSX100F (36 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
40	C10F3 + C1036E040	*2,345.50*	C10F4 + C1046E040	*2,949.50*
100	C10F3 + C1036E100	*2,306.50*	C10F4 + C1046E100	*2,904.50*
ComPact NSX160F (36 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C16F3 + C1036E100	*2,452.50*	C16F4 + C1046E100	*3,191.00*
160	C16F3 + C1636E160	*2,566.00*	C16F4 + C1646E160	*3,368.00*
ComPact NSX250F (36 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C25F3 + C1036E100	*2,740.50*	C25F4 + C1046E100	*3,714.00*
160	C25F3 + C1636E160	*2,854.00*	C25F4 + C1646E160	*3,891.00*
250	C25F3 + C2536E250	*2,909.00*	C25F4 + C2546E250	*3,925.50*

With electronic trip unit MicroLogic Vigi 7.2 E (LSIR protection) Vn Max =440V



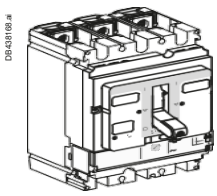
ComPact NSX100F (36 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
40	C10F4 + C1047E040	*3,949.50*
100	C10F4 + C1047E100	*3,732.50*
ComPact NSX160F (36 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C16F4 + C1047E100	*4,019.00*
160	C16F4 + C1647E160	*4,887.50*
ComPact NSX250F (36 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C25F4 + C1047E100	*4,542.00*
160	C25F4 + C1647E160	*5,410.50*
250	C25F4 + C2547E250	*5,957.50*

With electronic trip unit MicroLogic Vigi 7.2 E - AL (LSIR Alarm) Vn Max =440V



ComPact NSX100F (36 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
40	C10F4 + C1047A040	*3,949.50*
100	C10F4 + C1047A100	*3,732.50*
ComPact NSX160F (36 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C16F4 + C1047A100	*4,019.00*
160	C16F4 + C1647A160	*4,887.50*
ComPact NSX250F (36 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C25F4 + C1047A100	*4,542.00*
160	C25F4 + C1647A160	*5,410.50*
250	C25F4 + C2547A250	*6,191.50*

With magnetic trip unit MA



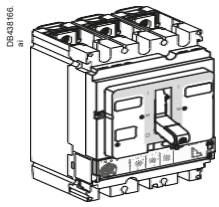
ComPacT NSX100F (36 kA at 380/415 V)		
Rating	**3P 3d**	**Price (S$)**
MA2.5	C10F3MA003	*434.50*
MA6.3	C10F3MA007	*434.50*
MA12.5	C10F3MA013	*434.50*
MA25	C10F3MA025	*435.50*
MA50	C10F3MA050	*435.50*
MA100	C10F3MA100	*435.50*
ComPacT NSX160F (36 kA at 380/415 V)		
Rating	**3P 3d**	**Price (S$)**
MA100	C16F3MA100	*581.50*
MA150	C16F3MA150	*582.50*
ComPacT NSX250F (36 kA at 380/415 V)		
Rating	**3P 3d**	**Price (S$)**
MA150	C25F3MA150	*870.50*
MA220	C25F3MA220	*895.50*

Complete Fixed Device
ComPacT NSX100/160/250N (50 kA 380/415 V)

unit price (excl. GST in Singapore Dollars)

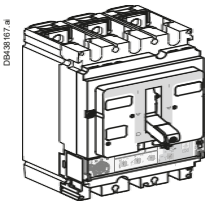
Complete Fixed Device

With thermal-magnetic trip unit TM-D



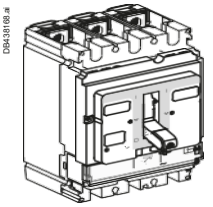
ComPacT NSX100N (50 kA at 380/415 V)						
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**	**4P 4d**	**Price (S$)**
TM16D	C10N3TM016	*357.50*	C10N6TM016	*555.00*	C10N4TM016	*663.50*
TM25D	C10N3TM025	*357.50*	C10N6TM025	*555.00*	C10N4TM025	*663.50*
TM32D	C10N3TM032	*357.50*	C10N6TM032	*555.00*	C10N4TM032	*663.50*
TM40D	C10N3TM040	*364.50*	C10N6TM040	*568.00*	C10N4TM040	*680.00*
TM50D	C10N3TM050	*364.50*	C10N6TM050	*568.00*	C10N4TM050	*680.00*
TM63D	C10N3TM063	*364.50*	C10N6TM063	*568.00*	C10N4TM063	*680.00*
TM80D	C10N3TM080	*364.50*	C10N6TM080	*568.00*	C10N4TM080	*680.00*
TM100D	C10N3TM100	*364.50*	C10N6TM100	*568.00*	C10N4TM100	*680.00*
ComPacT NSX160N (50 kA at 380/415 V)						
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**	**4P 4d**	**Price (S$)**
TM80D	C16N3TM080	*516.00*	C16N6TM080	*888.50*	C16N4TM080	*1,000.00*
TM100D	C16N3TM100	*516.00*	C16N6TM100	*888.50*	C16N4TM100	*1,000.00*
TM125D	C16N3TM125	*516.00*	C16N6TM125	*888.50*	C16N4TM125	*1,000.00*
TM160D	C16N3TM160	*519.00*	C16N6TM160	*893.00*	C16N4TM160	*1,008.50*
ComPacT NSX250N (50 kA at 380/415 V)						
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**	**4P 4d**	**Price (S$)**
TM125D	C25N3TM125	*890.50*	C25N6TM125	*1,543.00*	C25N4TM125	*1,655.50*
TM160D	C25N3TM160	*893.00*	C25N6TM160	*1,549.00*	C25N4TM160	*1,664.50*
TM200D	C25N3TM200	*893.00*	C25N6TM200	*1,549.00*	C25N4TM200	*1,664.50*
TM250D	C25N3TM250	*893.00*	C25N6TM250	*1,549.00*	C25N4TM250	*1,664.50*

With electronic trip unit MicroLogic 2.2 (LSOI protection)



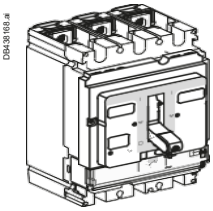
ComPacT NSX100N (50 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
40 A	C10N32D040	*555.00*	C10N42D040	*860.00*
100 A	C10N32D100	*555.00*	C10N42D100	*860.00*
ComPacT NSX160N (50 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C16N32D100	*706.00*	C16N42D100	*1,180.50*
160 A	C16N32D160	*706.00*	C16N42D160	*1,194.00*
ComPacT NSX250N (50 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C25N32D100	*1,081.00*	C25N42D100	*1,835.50*
160 A	C25N32D160	*1,090.50*	C25N42D160	*1,849.50*
250 A	C25N32D250	*1,090.50*	C25N42D250	*1,849.50*

With electronic trip unit MicroLogic Vigi 4.2 (LSOI protection) Vn Max= 440V



ComPacT NSX100N (50 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
40 A	C10N34V040	*2,452.50*	C10N44V040	*2,966.50*
100 A	C10N34V100	*2,322.00*	C10N44V100	*2,814.50*
ComPacT NSX160N (50 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C16N34V100	*2,473.50*	C16N44V100	*3,134.00*
160 A	C16N34V160	*2,993.00*	C16N44V160	*3,743.50*
ComPacT NSX250N (50 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C25N34V100	*2,848.00*	C25N44V100	*3,789.50*
160 A	C25N34V160	*3,367.50*	C25N44V160	*4,398.50*
250 A	C25N34V250	*3,835.00*	C25N44V250	*4,945.00*

With electronic trip unit MicroLogic Vigi 4.2AL (LSOIR Alarm) Vn Max= 440V



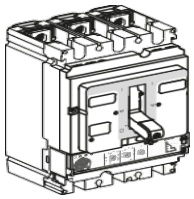
ComPacT NSX100N (50 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
40 A	C10N3 + C1034A040	*2,564.50*	C10N4 + C1044A040	*3,097.00*
100 A	C10N3 + C1034A100	*2,427.50*	C10N4 + C1044A100	*2,937.00*
ComPacT NSX160N (50 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C16N3 + C1034A100	*2,579.00*	C16N4 + C1044A100	*3,257.00*
160 A	C16N3 + C1634A160	*3,125.00*	C16N4 + C1644A160	*3,895.00*
ComPacT NSX250N (50 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C25N3 + C1034A100	*2,953.00*	C25N4 + C1044A100	*3,911.50*
160 A	C25N3 + C1634A160	*3,499.00*	C25N4 + C1644A160	*4,549.50*
250 A	C25N3 + C2534A250	*3,990.00*	C25N4 + C2544A250	*5,125.50*

Complete Fixed Device
ComPacT NSX100/160/250N (50 kA 380/415 V)

unit price (excl. GST in Singapore Dollars)

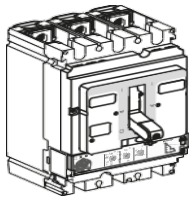
B

With electronic trip unit Micrologic 5.2 E (LSI protection, energy meter)



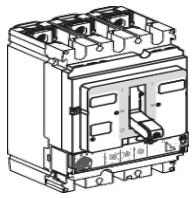
ComPact NSX100N (50 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
40	C10N3 + C1035E040	*2,050.50*	C10N4 + C1045E040	*2,426.00*
100	C10N3 + C1035E100	*2,017.50*	C10N4 + C1045E100	*2,397.50*
ComPact NSX160N (50 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C16N3 + C1035E100	*2,169.00*	C16N4 + C1045E100	*2,717.50*
160	C16N3 + C1635E160	*2,262.50*	C16N4 + C1645E160	*2,832.00*
ComPact NSX250N (50 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C25N3 + C1035E100	*2,543.00*	C25N4 + C1045E100	*3,372.00*
160	C25N3 + C1635E160	*2,636.50*	C25N4 + C1645E160	*3,486.50*
250	C25N3 + C2535E250	*2,748.50*	C25N4 + C2545E250	*3,659.50*

With electronic trip unit MicroLogic 6.2E (LSIG protection, energy meter)



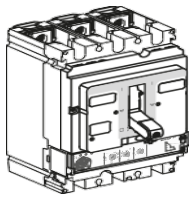
ComPact NSX100N (50 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
40	C10N3 + C1036E040	*2,400.50*	C10N4 + C1046E040	*3,071.50*
100	C10N3 + C1036E100	*2,361.50*	C10N4 + C1046E100	*3,026.50*
ComPact NSX160N (50 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C16N3 + C1036E100	*2,513.00*	C16N4 + C1046E100	*3,346.50*
160	C16N3 + C1636E160	*2,626.50*	C16N4 + C1646E160	*3,523.50*
ComPact NSX250N (50 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C25N3 + C1036E100	*2,887.00*	C25N4 + C1046E100	*4,001.00*
160	C25N3 + C1636E160	*3,000.50*	C25N4 + C1646E160	*4,178.00*
250	C25N3 + C2536E250	*3,055.50*	C25N4 + C2546E250	*4,212.50*

With electronic trip unit MicroLogic Vigi 7.2 E (LSIR protection) Vn Max =440V



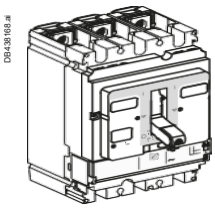
ComPact NSX100N (50 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
40	C10N4 + C1047E040	*4,071.50*
100	C10N4 + C1047E100	*3,854.50*
ComPact NSX160N (50 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C16N4 + C1047E100	*4,174.50*
160	C16N4 + C1647E160	*5,043.00*
ComPact NSX250N (50 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C25N4 + C1047E100	*4,829.00*
160	C25N4 + C1647E160	*5,697.50*
250	C25N4 + C2547E250	*6,244.50*

With electronic trip unit MicroLogic Vigi 7.2 E - AL (LSIR Alarm) Vn Max =440V



ComPact NSX100N (50 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
40	C10N4 + C1047A040	*4,071.50*
100	C10N4 + C1047A100	*3,854.50*
ComPact NSX160N (50 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C16N4 + C1047A100	*4,174.50*
160	C16N4 + C1647A160	*5,043.00*
ComPact NSX250N (50 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C25N4 + C1047A100	*4,829.00*
160	C25N4 + C1647A160	*5,697.50*
250	C25N4 + C2547A250	*6,478.50*

With magnetic trip unit MA



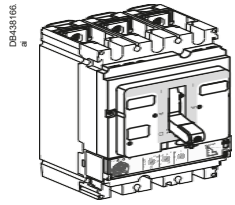
ComPact NSX100N (50 kA at 380/415 V)		
Rating	**3P 3d**	**Price (S$)**
MA2.5	C10N3MA003	*489.00*
MA6.3	C10N3MA007	*489.00*
MA12.5	C10N3MA013	*489.00*
MA25	C10N3MA025	*490.00*
MA50	C10N3MA050	*490.00*
MA100	C10N3MA100	*490.00*
ComPact NSX160N (50 kA at 380/415 V)		
Rating	**3P 3d**	**Price (S$)**
MA100	C16N3MA100	*641.50*
MA150	C16N3MA150	*642.50*
ComPact NSX250N (50 kA at 380/415 V)		
Rating	**3P 3d**	**Price (S$)**
MA150	C25N3MA150	*1,017.00*
MA220	C25N3MA220	*1,041.50*

Complete Fixed Device
ComPacT NSX100/160/250H (70 kA 380/415 V)

unit price (excl. GST in Singapore Dollars)

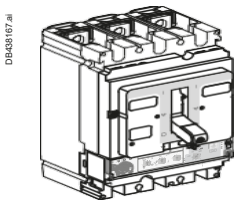
Complete Fixed Device

With thermal-magnetic trip unit TM-D



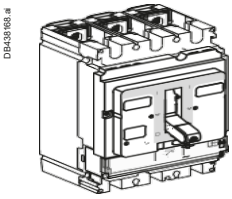
ComPacT NSX100H (70 kA at 380/415 V)						
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**	**4P 4d**	**Price (S$)**
TM16D	C10H3TM016	*407.50*	C10H6TM016	*688.50*	C10H4TM016	*797.00*
TM25D	C10H3TM025	*407.50*	C10H6TM025	*688.50*	C10H4TM025	*797.00*
TM32D	C10H3TM032	*407.50*	C10H6TM032	*688.50*	C10H4TM032	*797.00*
TM40D	C10H3TM040	*416.00*	C10H6TM040	*702.00*	C10H4TM040	*814.50*
TM50D	C10H3TM050	*416.00*	C10H6TM050	*702.00*	C10H4TM050	*814.50*
TM63D	C10H3TM063	*416.00*	C10H6TM063	*702.00*	C10H4TM063	*814.50*
TM80D	C10H3TM080	*416.00*	C10H6TM080	*702.00*	C10H4TM080	*814.50*
TM100D	C10H3TM100	*416.00*	C10H6TM100	*702.00*	C10H4TM100	*814.50*
ComPacT NSX160H (70 kA at 380/415 V)						
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**	**4P 4d**	**Price (S$)**
TM80D	C16H3TM080	*576.50*	C16H6TM080	*1,007.50*	C16H4TM080	*1,119.50*
TM100D	C16H3TM100	*576.50*	C16H6TM100	*1,007.50*	C16H4TM100	*1,119.50*
TM125D	C16H3TM125	*576.50*	C16H6TM125	*1,007.50*	C16H4TM125	*1,119.50*
TM160D	C16H3TM160	*579.50*	C16H6TM160	*1,013.50*	C16H4TM160	*1,127.50*
ComPacT NSX250H (70 kA at 380/415 V)						
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**	**4P 4d**	**Price (S$)**
TM125D	C25H3TM125	*1,060.50*	C25H6TM125	*1,810.50*	C25H4TM125	*1,923.50*
TM160D	C25H3TM160	*1,063.50*	C25H6TM160	*1,816.00*	C25H4TM160	*1,931.50*
TM200D	C25H3TM200	*1,063.50*	C25H6TM200	*1,816.00*	C25H4TM200	*1,931.50*
TM250D	C25H3TM250	*1,063.50*	C25H6TM250	*1,816.00*	C25H4TM250	*1,931.50*

With electronic trip unit MicroLogic 2.2 (LSOI protection)



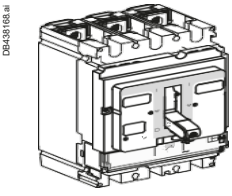
ComPacT NSX100H (70 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
40 A	C10H32D040	*605.50*	C10H42D040	*994.00*
100 A	C10H32D100	*605.50*	C10H42D100	*994.00*
ComPacT NSX160H (70 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C16H32D100	*766.50*	C16H42D100	*1,299.50*
160 A	C16H32D160	*777.50*	C16H42D160	*1,314.00*
ComPacT NSX250H (70 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C25H32D100	*1,250.50*	C25H42D100	*2,104.00*
160 A	C25H32D160	*1,260.00*	C25H42D160	*2,117.00*
250 A	C25H32D250	*1,260.00*	C25H42D250	*2,117.00*

With electronic trip unit MicroLogic Vigi 4.2 (LSOI protection) Vn Max= 440V



ComPacT NSX100H (70 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
40 A	C10H34V040	*2,503.50*	C10H44V040	*3,101.50*
100 A	C10H34V100	*2,372.00*	C10H44V100	*2,948.50*
ComPacT NSX160H (70 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C16H34V100	*2,534.00*	C16H44V100	*3,253.50*
160 A	C16H34V160	*3,053.50*	C16H44V160	*3,863.00*
ComPacT NSX250H (70 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C25H34V100	*3,017.50*	C25H44V100	*4,057.50*
160 A	C25H34V160	*3,537.00*	C25H44V160	*4,665.50*
250 A	C25H34V250	*4,005.00*	C25H44V250	*5,213.50*

With electronic trip unit MicroLogic Vigi 4.2AL (LSOIR Alarm) Vn Max= 440V

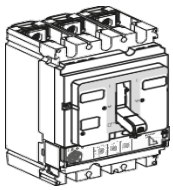


ComPacT NSX100H (70 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
40 A	C10H3 + C1034A040	*2,614.50*	C10H4 + C1044A040	*3,231.50*
100 A	C10H3 + C1034A100	*2,477.50*	C10H4 + C1044A100	*3,071.50*
ComPacT NSX160H (70 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C16H3 + C1034A100	*2,639.00*	C16H4 + C1044A100	*3,376.50*
160 A	C16H3 + C1634A160	*3,185.00*	C16H4 + C1644A160	*4,014.50*
ComPacT NSX250H (70 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C25H3 + C1034A100	*3,123.00*	C25H4 + C1044A100	*4,180.00*
160 A	C25H3 + C1634A160	*3,669.00*	C25H4 + C1644A160	*4,818.00*
250 A	C25H3 + C2534A250	*4,160.00*	C25H4 + C2544A250	*5,394.00*

Complete Fixed Device
ComPacT NSX100/160/250H (70 kA 380/415 V)

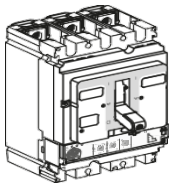
unit price (excl. GST in Singapore Dollars)

With electronic trip unit Micrologic 5.2 E (LSI protection, energy meter)



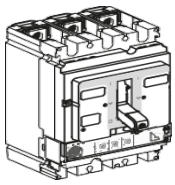
ComPact NSX100H (70 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
40	C10H3 + C1035E040	*2,100.50*	C10H4 + C1045E040	*2,560.50*
100	C10H3 + C1035E100	*2,067.50*	C10H4 + C1045E100	*2,532.00*
ComPact NSX160H (70 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C16H3 + C1035E100	*2,229.00*	C16H4 + C1045E100	*2,837.00*
160	C16H3 + C1635E160	*2,322.50*	C16H4 + C1645E160	*2,951.50*
ComPact NSX250H (70 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C25H3 + C1035E100	*2,713.00*	C25H4 + C1045E100	*3,640.50*
160	C25H3 + C1635E160	*2,806.50*	C25H4 + C1645E160	*3,755.00*
250	C25H3 + C2535E250	*2,918.50*	C25H4 + C2545E250	*3,928.00*

With electronic trip unit MicroLogic 6.2E (LSIG protection, energy meter)



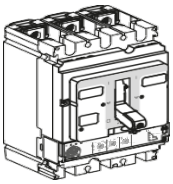
ComPact NSX100H (70 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
40	C10H3 + C1036E040	*2,450.50*	C10H4 + C1046E040	*3,206.00*
100	C10H3 + C1036E100	*2,411.50*	C10H4 + C1046E100	*3,161.00*
ComPact NSX160H (70 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C16H3 + C1036E100	*2,573.00*	C16H4 + C1046E100	*3,466.00*
160	C16H3 + C1636E160	*2,686.50*	C16H4 + C1646E160	*3,643.00*
ComPact NSX250H (70 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C25H3 + C1036E100	*3,057.00*	C25H4 + C1046E100	*4,269.50*
160	C25H3 + C1636E160	*3,170.50*	C25H4 + C1646E160	*4,446.50*
250	C25H3 + C2536E250	*3,225.50*	C25H4 + C2546E250	*4,481.00*

With electronic trip unit MicroLogic Vigi 7.2 E (LSIR protection) Vn Max =440V



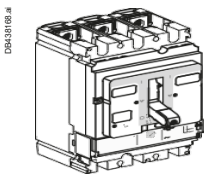
ComPact NSX100H (70 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
40	C10H4 + C1047E040	*4,206.00*
100	C10H4 + C1047E100	*3,989.00*
ComPact NSX160H (70 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C16H4 + C1047E100	*4,294.00*
160	C16H4 + C1647E160	*5,162.50*
ComPact NSX250H (70 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C25H4 + C1047E100	*5,097.50*
160	C25H4 + C1647E160	*5,966.00*
250	C25H4 + C2547E250	*6,513.00*

With electronic trip unit MicroLogic Vigi 7.2 E - AL (LSIR Alarm) Vn Max =440V



ComPact NSX100H (70 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
40	C10H4 + C1047A040	*4,206.00*
100	C10H4 + C1047A100	*3,989.00*
ComPact NSX160H (70 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C16H4 + C1047A100	*4,294.00*
160	C16H4 + C1647A160	*5,162.50*
ComPact NSX250H (70 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C25H4 + C1047A100	*5,097.50*
160	C25H4 + C1647A160	*5,966.00*
250	C25H4 + C2547A250	*6,747.00*

With magnetic trip unit MA



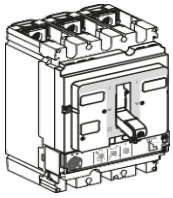
ComPact NSX100H (70 kA at 380/415 V)		
Rating	**3P 3d**	**Price (S$)**
MA2.5	C10H3MA003	*539.00*
MA6.3	C10H3MA007	*539.00*
MA12.5	C10H3MA013	*539.00*
MA25	C10H3MA025	*540.00*
MA50	C10H3MA050	*540.00*
MA100	C10H3MA100	*540.00*
ComPact NSX160H (70 kA at 380/415 V)		
Rating	**3P 3d**	**Price (S$)**
MA100	C16H3MA100	*702.00*
MA150	C16H3MA150	*703.00*
ComPact NSX250H (70 kA at 380/415 V)		
Rating	**3P 3d**	**Price (S$)**
MA150	C25H3MA150	*1,187.00*
MA220	C25H3MA220	*1,211.50*

Complete Fixed Device
ComPacT NSX100/160/250S (100 kA 380/415 V)

unit price (excl. GST in Singapore Dollars)

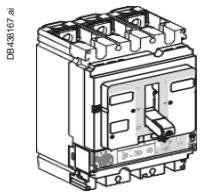
Complete Fixed Device

With thermal-magnetic trip unit TM-D



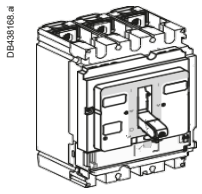
ComPacT NSX100S (100 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**
TM16D	C10S3 + C103TM016	*489.00*	C10S4 + C106TM016	*824.50*
TM25D	C10S3 + C103TM025	*489.00*	C10S4 + C106TM025	*824.50*
TM32D	C10S3 + C103TM032	*489.00*	C10S4 + C106TM032	*824.50*
TM40D	C10S3 + C103TM040	*496.00*	C10S4 + C106TM040	*837.00*
TM50D	C10S3 + C103TM050	*496.00*	C10S4 + C106TM050	*837.00*
TM63D	C10S3 + C103TM063	*496.00*	C10S4 + C106TM063	*837.00*
TM80D	C10S3 + C103TM080	*496.00*	C10S4 + C106TM080	*837.00*
TM100D	C10S3 + C103TM100	*496.00*	C10S4 + C106TM100	*837.00*
ComPacT NSX160S (100 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**
TM80D	C16S3 + C103TM080	*720.00*	C16S4 + C106TM080	*1,231.50*
TM100D	C16S3 + C103TM100	*720.00*	C16S4 + C106TM100	*1,231.50*
TM125D	C16S3 + C163TM125	*720.00*	C16S4 + C166TM125	*1,231.50*
TM160D	C16S3 + C163TM160	*724.00*	C16S4 + C166TM160	*1,237.50*
ComPacT NSX250S (100 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**
TM125D	C25S3 + C163TM125	*1,284.00*	C25S4 + C166TM125	*2,141.00*
TM160D	C25S3 + C253TM160	*1,288.00*	C25S4 + C256TM160	*2,147.00*
TM200D	C25S3 + C253TM200	*1,288.00*	C25S4 + C256TM200	*2,147.00*
TM250D	C25S3 + C253TM250	*1,288.00*	C25S4 + C256TM250	*2,147.00*

With electronic trip unit MicroLogic 2.2 (LSOI protection)



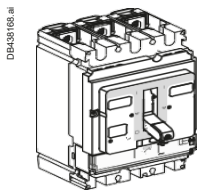
ComPacT NSX100S (100 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
40 A	C10S3 + C1032D040	*687.00*	C10S4 + C1042D040	*1,129.50*
100 A	C10S3 + C1032D100	*687.00*	C10S4 + C1042D100	*1,129.50*
ComPacT NSX160S (100 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C16S3 + C1032D100	*911.00*	C16S4 + C1042D100	*1,524.00*
160 A	C16S3 + C1632D160	*921.50*	C16S4 + C1642D160	*1,538.50*
ComPacT NSX250S (100 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C25S3 + C1032D100	*1,475.00*	C25S4 + C1042D100	*2,433.50*
160 A	C25S3 + C1632D160	*1,485.50*	C25S4 + C1642D160	*2,448.00*
250 A	C25S3 + C2532D250	*1,485.50*	C25S4 + C2542D250	*2,448.00*

With electronic trip unit MicroLogic Vigi 4.2 (LSOI protection) Vn Max= 440V



ComPacT NSX100S (100 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
40 A	C10S3 + C1034V040	*2,584.00*	C10S4 + C1044V040	*3,236.00*
100 A	C10S3 + C1034V100	*2,453.50*	C10S4 + C1044V100	*3,084.00*
ComPacT NSX160S (100 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C16S3 + C1034V100	*2,677.50*	C16S4 + C1044V100	*3,478.50*
160 A	C16S3 + C1634V160	*3,197.50*	C16S4 + C1644V160	*4,087.00*
ComPacT NSX250S (100 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C25S3 + C1034V100	*3,241.50*	C25S4 + C1044V100	*4,388.00*
160 A	C25S3 + C1634V160	*3,761.50*	C25S4 + C1644V160	*4,996.50*
250 A	C25S3 + C2534V250	*4,229.50*	C25S4 + C2544V250	*5,543.50*

With electronic trip unit MicroLogic Vigi 4.2AL (LSOIR Alarm) Vn Max= 440V



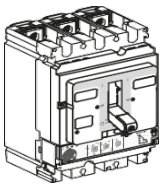
ComPacT NSX100S (100 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
40 A	C10S3 + C1034A040	*2,695.50*	C10S4 + C1044A040	*3,366.00*
100 A	C10S3 + C1034A100	*2,558.50*	C10S4 + C1044A100	*3,206.00*
ComPacT NSX160S (100 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C16S3 + C1034A100	*2,782.50*	C16S4 + C1044A100	*3,600.50*
160 A	C16S3 + C1634A160	*3,328.50*	C16S4 + C1644A160	*4,238.50*
ComPacT NSX250S (100 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C25S3 + C1034A100	*3,346.50*	C25S4 + C1044A100	*4,510.00*
160 A	C25S3 + C1634A160	*3,892.50*	C25S4 + C1644A160	*5,148.00*
250 A	C25S3 + C2534A250	*4,383.50*	C25S4 + C2544A250	*5,724.00*

Complete Fixed Device
ComPacT NSX100/160/250S (100 kA 380/415 V)

unit price (excl. GST in Singapore Dollars)

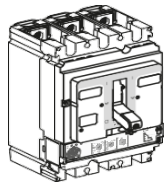
B

With electronic trip unit Micrologic 5.2 E (LSI protection, energy meter)



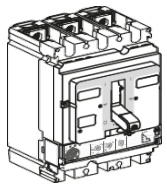
ComPact NSX100S (100 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
40	C10S3 + C1035E040	*2,181.50*	C10S4 + C1045E040	*2,695.00*
100	C10S3 + C1035E100	*2,148.50*	C10S4 + C1045E100	*2,666.50*
ComPact NSX160S (100 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C16S3 + C1035E100	*2,372.50*	C16S4 + C1045E100	*3,061.00*
160	C16S3 + C1635E160	*2,466.00*	C16S4 + C1645E160	*3,175.50*
ComPact NSX250S (100 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C25S3 + C1035E100	*2,936.50*	C25S4 + C1045E100	*3,970.50*
160	C25S3 + C1635E160	*3,030.00*	C25S4 + C1645E160	*4,085.00*
250	C25S3 + C2535E250	*3,142.00*	C25S4 + C2545E250	*4,258.00*

With electronic trip unit MicroLogic 6.2E (LSIG protection, energy meter)



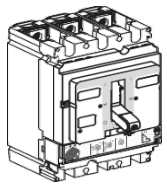
ComPact NSX100S (100 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
40	C10S3 + C1036E040	*2,531.50*	C10S4 + C1046E040	*3,340.50*
100	C10S3 + C1036E100	*2,492.50*	C10S4 + C1046E100	*3,295.50*
ComPact NSX160S (100 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C16S3 + C1036E100	*2,716.50*	C16S4 + C1046E100	*3,690.00*
160	C16S3 + C1636E160	*2,830.00*	C16S4 + C1646E160	*3,867.00*
ComPact NSX250S (100 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C25S3 + C1036E100	*3,280.50*	C25S4 + C1046E100	*4,599.50*
160	C25S3 + C1636E160	*3,394.00*	C25S4 + C1646E160	*4,776.50*
250	C25S3 + C2536E250	*3,449.00*	C25S4 + C2546E250	*4,811.00*

With electronic trip unit MicroLogic Vigi 7.2 E (LSIR protection) Vn Max =440V



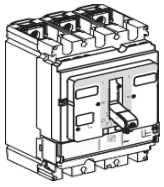
ComPact NSX100S (100 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
40	C10S4 + C1047E040	*4,340.50*
100	C10S4 + C1047E100	*4,123.50*
ComPact NSX160S (100 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C16S4 + C1047E100	*4,518.00*
160	C16S4 + C1647E160	*5,386.50*
ComPact NSX250S (100 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C25S4 + C1047E100	*5,427.50*
160	C25S4 + C1647E160	*6,296.00*
250	C25S4 + C2547E250	*6,843.00*

With electronic trip unit MicroLogic Vigi 7.2 E - AL (LSIR Alarm) Vn Max =440V



ComPact NSX100S (100 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
40	C10S4 + C1047A040	*4,340.50*
100	C10S4 + C1047A100	*4,123.50*
ComPact NSX160S (100 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C16S4 + C1047A100	*4,518.00*
160	C16S4 + C1647A160	*5,386.50*
ComPact NSX250S (100 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C25S4 + C1047A100	*5,427.50*
160	C25S4 + C1647A160	*6,296.00*
250	C25S4 + C2547A250	*7,077.00*

With magnetic trip unit MA



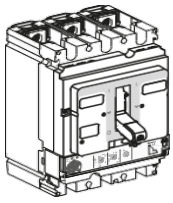
ComPact NSX100S (100 kA at 380/415 V)		
Rating	**3P 3d**	**Price (S$)**
MA2.5	C10S3 + C103MA003	*620.50*
MA6.3	C10S3 + C103MA007	*620.50*
MA12.5	C10S3 + C103MA013	*620.50*
MA25	C10S3 + C103MA025	*621.50*
MA50	C10S3 + C103MA050	*621.50*
MA100	C10S3 + C103MA100	*621.50*
ComPact NSX160S (100 kA at 380/415 V)		
Rating	**3P 3d**	**Price (S$)**
MA100	C16S3 + C103MA100	*845.50*
MA150	C16S3 + C163MA150	*847.00*
ComPact NSX250S (100 kA at 380/415 V)		
Rating	**3P 3d**	**Price (S$)**
MA150	C25S3 + C163MA150	*1,411.00*
MA220	C25S3 + C253MA220	*1,435.50*

Complete Fixed Device
ComPacT NSX100/160/250L (150 kA 380/415 V)

unit price (excl. GST in Singapore Dollars)

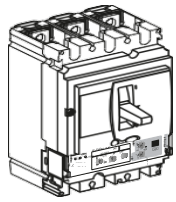
Complete Fixed Device

With thermal-magnetic trip unit TM-D



ComPacT NSX100L (150 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**
TM16D	C10L3 + C103TM016	*610.00*	C10L4 + C106TM016	*995.00*
TM25D	C10L3 + C103TM025	*610.00*	C10L4 + C106TM025	*995.00*
TM32D	C10L3 + C103TM032	*610.00*	C10L4 + C106TM032	*995.00*
TM40D	C10L3 + C103TM040	*617.00*	C10L4 + C106TM040	*1,007.50*
TM50D	C10L3 + C103TM050	*617.00*	C10L4 + C106TM050	*1,007.50*
TM63D	C10L3 + C103TM063	*617.00*	C10L4 + C106TM063	*1,007.50*
TM80D	C10L3 + C103TM080	*617.00*	C10L4 + C106TM080	*1,007.50*
TM100D	C10L3 + C103TM100	*617.00*	C10L4 + C106TM100	*1,007.50*
ComPacT NSX160L (150 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**
TM80D	C16L3 + C103TM080	*872.00*	C16L4 + C106TM080	*1,496.50*
TM100D	C16L3 + C103TM100	*872.00*	C16L4 + C106TM100	*1,496.50*
TM125D	C16L3 + C163TM125	*872.00*	C16L4 + C166TM125	*1,496.50*
TM160D	C16L3 + C163TM160	*876.00*	C16L4 + C166TM160	*1,502.50*
ComPacT NSX250L (150 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**
TM125D	C25L3 + C163TM125	*1,557.00*	C25L4 + C166TM125	*2,599.50*
TM160D	C25L3 + C253TM160	*1,561.00*	C25L4 + C256TM160	*2,605.50*
TM200D	C25L3 + C253TM200	*1,561.00*	C25L4 + C256TM200	*2,605.50*
TM250D	C25L3 + C253TM250	*1,561.00*	C25L4 + C256TM250	*2,605.50*

With electronic trip unit MicroLogic 2.2 (LSOI protection)



ComPacT NSX100L (150 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
40 A	C10L3 + C1032D040	*808.00*	C10L4 + C1042D040	*1,300.00*
100 A	C10L3 + C1032D100	*808.00*	C10L4 + C1042D100	*1,300.00*
ComPacT NSX160L (150 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C16L3 + C1032D100	*1,063.00*	C16L4 + C1042D100	*1,789.00*
160 A	C16L3 + C1632D160	*1,073.50*	C16L4 + C1642D160	*1,803.50*
ComPacT NSX250L (150 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C25L3 + C1032D100	*1,748.00*	C25L4 + C1042D100	*2,892.00*
160 A	C25L3 + C1632D160	*1,758.50*	C25L4 + C1642D160	*2,906.50*
250 A	C25L3 + C2532D250	*1,758.50*	C25L4 + C2542D250	*2,906.50*

With electronic trip unit MicroLogic Vigi 4.2 (LSOI protection) Vn Max= 440V

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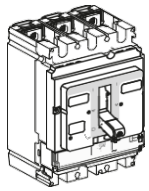

ComPacT NSX100L (150 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
40 A	C10L3 + C1034V040	*2,705.00*	C10L4 + C1044V040	*3,406.50*
100 A	C10L3 + C1034V100	*2,574.50*	C10L4 + C1044V100	*3,254.50*
ComPacT NSX160L (150 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C16L3 + C1034V100	*2,829.50*	C16L4 + C1044V100	*3,743.50*
160 A	C16L3 + C1634V160	*3,349.50*	C16L4 + C1644V160	*4,352.00*
ComPacT NSX250L (150 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C25L3 + C1034V100	*3,514.50*	C25L4 + C1044V100	*4,846.50*
160 A	C25L3 + C1634V160	*4,034.50*	C25L4 + C1644V160	*5,455.00*
250 A	C25L3 + C2534V250	*4,502.50*	C25L4 + C2544V250	*6,002.00*

With electronic trip unit MicroLogic Vigi 4.2AL (LSOIR Alarm) Vn Max= 440V

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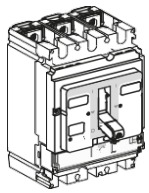


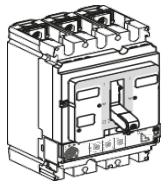
ComPacT NSX100L (150 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
40 A	C10L3 + C1034A040	*2,816.50*	C10L4 + C1044A040	*3,536.50*
100 A	C10L3 + C1034A100	*2,679.50*	C10L4 + C1044A100	*3,376.50*
ComPacT NSX160L (150 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C16L3 + C1034A100	*2,934.50*	C16L4 + C1044A100	*3,865.50*
160 A	C16L3 + C1634A160	*3,480.50*	C16L4 + C1644A160	*4,503.50*
ComPacT NSX250L (150 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C25L3 + C1034A100	*3,619.50*	C25L4 + C1044A100	*4,968.50*
160 A	C25L3 + C1634A160	*4,165.50*	C25L4 + C1644A160	*5,606.50*
250 A	C25L3 + C2534A250	*4,656.50*	C25L4 + C2544A250	*6,182.50*

Complete Fixed Device
ComPacT NSX100/160/250L (150 kA 380/415 V)

unit price (excl. GST in Singapore Dollars)

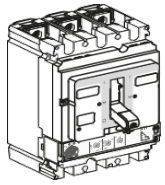
B

With electronic trip unit Micrologic 5.2 E (LSI protection, energy meter)



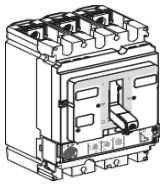
ComPact NSX100L (150 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSI**	**Price (S$)**
40	C10L3 + C1035E040	*2,302.50*	C10L4 + C1045E040	*2,865.50*
100	C10L3 + C1035E100	*2,269.50*	C10L4 + C1045E100	*2,837.00*
ComPact NSX160L (150 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSI**	**Price (S$)**
100	C16L3 + C1035E100	*2,524.50*	C16L4 + C1045E100	*3,326.00*
160	C16L3 + C1635E160	*2,618.00*	C16L4 + C1645E160	*3,440.50*
ComPact NSX250L (150 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSI**	**Price (S$)**
100	C25L3 + C1035E100	*3,209.50*	C25L4 + C1045E100	*4,429.00*
160	C25L3 + C1635E160	*3,303.00*	C25L4 + C1645E160	*4,543.50*
250	C25L3 + C2535E250	*3,415.00*	C25L4 + C2545E250	*4,716.50*

With electronic trip unit MicroLogic 6.2E (LSIG protection, energy meter)



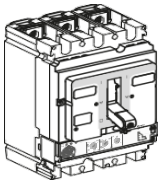
ComPact NSX100L (150 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSI**	**Price (S$)**
40	C10L3 + C1036E040	*2,652.50*	C10L4 + C1046E040	*3,511.00*
100	C10L3 + C1036E100	*2,613.50*	C10L4 + C1046E100	*3,466.00*
ComPact NSX160L (150 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSI**	**Price (S$)**
100	C16L3 + C1036E100	*2,868.50*	C16L4 + C1046E100	*3,955.00*
160	C16L3 + C1636E160	*2,982.00*	C16L4 + C1646E160	*4,132.00*
ComPact NSX250L (150 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, 3d + OSI**	**Price (S$)**
100	C25L3 + C1036E100	*3,553.50*	C25L4 + C1046E100	*5,058.00*
160	C25L3 + C1636E160	*3,667.00*	C25L4 + C1646E160	*5,235.00*
250	C25L3 + C2536E250	*3,722.00*	C25L4 + C2546E250	*5,269.50*

With electronic trip unit MicroLogic Vigi 7.2 E (LSIR protection) Vn Max =440V



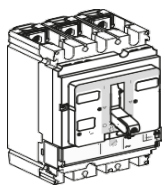
ComPact NSX100L (150 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
40	C10L4 + C1047E040	*4,511.00*
100	C10L4 + C1047E100	*4,294.00*
ComPact NSX160L (150 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C16L4 + C1047E100	*4,783.00*
160	C16L4 + C1647E160	*5,651.50*
ComPact NSX250L (150 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C25L4 + C1047E100	*5,886.00*
160	C25L4 + C1647E160	*6,754.50*
250	C25L4 + C2547E250	*7,301.50*

With electronic trip unit MicroLogic Vigi 7.2 E - AL (LSIR Alarm) Vn Max =440V



ComPact NSX100L (150 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
40	C10L4 + C1047A040	*4,511.00*
100	C10L4 + C1047A100	*4,294.00*
ComPact NSX160L (150 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C16L4 + C1047A100	*4,783.00*
160	C16L4 + C1647A160	*5,651.50*
ComPact NSX250L (150 kA at 380/415 V)		
Rating	**4P 3d, 4d, 3d + N/2, 3d + OSN**	**Price (S$)**
100	C25L4 + C1047A100	*5,886.00*
160	C25L4 + C1647A160	*6,754.50*
250	C25L4 + C2547A250	*7,535.50*

With magnetic trip unit MA



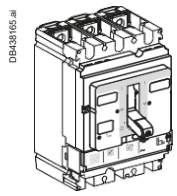
ComPact NSX100L (150 kA at 380/415 V)		
Rating	**3P 3d**	**Price (S$)**
MA2.5	C10L3 + C103MA003	*741.50*
MA6.3	C10L3 + C103MA007	*741.50*
MA12.5	C10L3 + C103MA013	*741.50*
MA25	C10L3 + C103MA025	*742.50*
MA50	C10L3 + C103MA050	*742.50*
MA100	C10L3 + C103MA100	*742.50*
ComPact NSX160L (150 kA at 380/415 V)		
Rating	**3P 3d**	**Price (S$)**
MA100	C16L3 + C103MA100	*997.50*
MA150	C16L3 + C163MA150	*999.00*
ComPact NSX250L (150 kA at 380/415 V)		
Rating	**3P 3d**	**Price (S$)**
MA150	C25L3 + C163MA150	*1,684.00*
MA220	C25L3 + C253MA220	*1,708.50*

Complete Fixed Device
ComPacT NSX100/250R (200 kA 380/415 V - 45 kA 690 V)

unit price (excl. GST in Singapore Dollars)

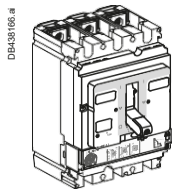
Complete Fixed Device

With thermal-magnetic trip unit TM-D



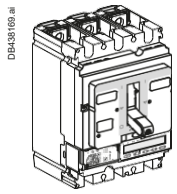
ComPacT NSX100R (200 kA at 380/415 V - 45 kA at 690 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 4d**	**Price (S$)**
TM40D	C10R3TM040	*688.50*	C10R4TM040	*1,203.50*
TM50D	C10R3TM050	*688.50*	C10R4TM050	*1,203.50*
TM63D	C10R3TM063	*688.50*	C10R4TM063	*1,203.50*
TM80D	C10R3TM080	*716.00*	C10R4TM080	*1,203.50*
TM100D	C10R3TM100	*716.00*	C10R4TM100	*1,203.50*
ComPacT NSX250R (200 kA at 380/415 V - 45 kA at 690 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 4d**	**Price (S$)**
TM125D	C25R3TM125	*1,695.50*	C25R4TM125	*2,433.00*
TM160D	C25R3TM160	*1,695.50*	C25R4TM160	*2,685.00*
TM200D	C25R3TM200	*1,695.50*	C25R4TM200	*2,870.00*
TM250D	C25R3TM250	*1,695.50*	C25R4TM250	*2,870.00*

With electronic trip unit MicroLogic 2.2 (LSOI protection)



ComPacT NSX100R (200 kA at 380/415 V - 45 kA at 690 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
40 A	C10R32D040	*947.00*	C10R42D040	*POA*
100 A	C10R32D100	*947.00*	C10R42D100	*POA*
ComPacT NSX250R (200 kA at 380/415 V - 45 kA at 690 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C25R32D100	*1,976.00*	C25R42D100	*POA*
160 A	C25R32D160	*1,976.00*	C25R42D160	*POA*
250 A	C25R32D250	*1,976.00*	C25R42D250	*2,973.00*

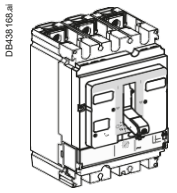
With electronic trip unit MicroLogic 5.2 E (LSI protection, energy meter)



ComPacT NSX100R (200 kA at 380/415 V - 45 kA at 690 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, OSN**	**Price (S$)**
40 A	C10R35E040	*2,225.50*	C10R45E040	*2,595.50*
100 A	C10R35E100	*2,225.50*	C10R45E100	*2,595.50*
ComPacT NSX250R (200 kA at 380/415 V - 45 kA at 690 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, OSN**	**Price (S$)**
100 A	C25R35E100	*3,248.50*	C25R45E100	*3,707.00*
160 A	C25R35E160	*3,337.50*	C25R45E160	*3,900.50*
250 A	C25R35E250	*3,337.50*	C25R45E250	*4,057.50*

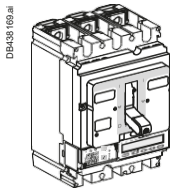
ComPacT NSX100/250R

With magnetic trip unit MA



ComPacT NSX100R (200 kA at 380/415 V - 45 kA at 690 V)		
Rating	**3P 3d**	**Price (S$)**
MA12.5	C10R3MA013	*863.50*
MA25	C10R3MA025	*863.50*
MA50	C10R3MA050	*863.50*
MA100	C10R3MA100	*863.50*
ComPacT NSX250R (200 kA at 380/415 V - 45 kA at 690 V)		
Rating	**3P 3d**	**Price (S$)**
MA150	C25R3MA150	*1,894.00*
MA220	C25R3MA220	*1,894.00*

With electronic trip unit MicroLogic 2.2 M (LSOI motor protection)



ComPacT NSX100R (200 kA at 380/415 V - 45 kA at 690 V)		
Rating	**3P 3d**	**Price (S$)**
25 A	C10R32M025	*1,161.50*
50 A	C10R32M050	*1,161.50*
100 A	C10R32M100	*1,161.50*
ComPacT NSX250R (200 kA at 380/415 V - 45 kA at 690 V)		
Rating	**3P 3d**	**Price (S$)**
150 A	C25R32M150	*2,190.50*
220 A	C25R32M220	*2,190.50*

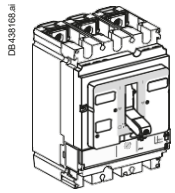
Complete Fixed Device
ComPacT NSX100/250HB1 (85 kA 500 V - 75 kA 690 V)

unit price (excl. GST in Singapore Dollars)

B

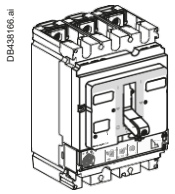
Complete Fixed Device

With thermal-magnetic trip unit TM-D



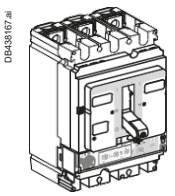
ComPacT NSX100HB1 (85 kA at 500 V - 75 kA at 690 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 4d**	**Price (S$)**
TM40D	C10V3TM040	*765.50*	C10V4TM040	*1,383.50*
TM50D	C10V3TM050	*765.50*	C10V4TM050	*1,383.50*
TM63D	C10V3TM063	*765.50*	C10V4TM063	*1,383.50*
TM80D	C10V3TM080	*796.00*	C10V4TM080	*1,383.50*
TM100D	C10V3TM100	*796.00*	C10V4TM100	*1,383.50*
ComPacT NSX250HB1 (85 kA at 500 V - 75 kA at 690 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 4d**	**Price (S$)**
TM125D	C25V3TM125	*1,950.50*	C25V4TM125	*2,712.00*
TM160D	C25V3TM160	*1,950.50*	C25V4TM160	*2,976.00*
TM200D	C25V3TM200	*1,950.50*	C25V4TM200	*3,170.00*
TM250D	C25V3TM250	*1,950.50*	C25V4TM250	*3,170.00*

With electronic trip unit MicroLogic 2.2 (LSOI protection)



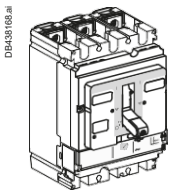
ComPacT NSX100HB1 (85 kA at 500 V - 75 kA at 690 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
40 A	C10V32D040	*1,046.00*	C10V42D040	*POA*
100 A	C10V32D100	*1,046.00*	C10V42D100	*1,632.50*
ComPacT NSX250HB1 (85 kA at 500 V - 75 kA at 690 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C25V32D100	*2,231.50*	C25V42D100	*POA*
160 A	C25V32D160	*2,231.50*	C25V42D160	*POA*
250 A	C25V32D250	*2,231.50*	C25V42D250	*3,278.00*

With electronic trip unit MicroLogic 5.2 E (LSI protection, energy meter)



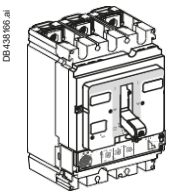
ComPacT NSX100HB1 (85 kA at 500 V - 75 kA at 690 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2,OSN**	**Price (S$)**
40 A	C10V35E040	*2,390.00*	C10V45E040	*2,797.00*
100 A	C10V35E100	*2,390.00*	C10V45E100	*2,797.00*
ComPacT NSX250HB1 (85 kA at 500 V - 75 kA at 690 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, OSN**	**Price (S$)**
100 A	C25V35E100	*3,538.50*	C25V45E100	*4,046.00*
160 A	C25V35E160	*3,590.00*	C25V45E160	*4,246.00*
250 A	C25V35E250	*3,590.00*	C25V45E250	*4,410.00*

With magnetic trip unit MA



ComPacT NSX100HB1 (85 kA at 500 V - 75 kA at 690 V)		
Rating	**3P 3d**	**Price (S$)**
MA12.5	C10V3MA013	*963.50*
MA25	C10V3MA025	*963.50*
MA50	C10V3MA050	*963.50*
MA100	C10V3MA100	*963.50*
ComPacT NSX250HB1 (85 kA at 500 V - 75 kA at 690 V)		
Rating	**3P 3d**	**Price (S$)**
MA150	C25V3MA150	*2,148.00*
MA220	C25V3MA220	*2,148.00*

With electronic trip unit MicroLogic 2.2 M (LSOI motor protection)



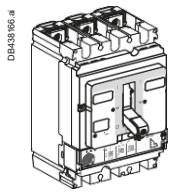
ComPacT NSX100HB1 (85 kA at 500 V - 75 kA at 690 V)		
Rating	**3P 3d**	**Price (S$)**
25 A	C10V32M025	*1,260.00*
50 A	C10V32M050	*1,260.00*
100 A	C10V32M100	*1,260.00*
ComPacT NSX250HB1 (85 kA at 500 V - 75 kA at 690 V)		
Rating	**3P 3d**	**Price (S$)**
150 A	C25V32M150	*2,445.50*
220 A	C25V32M220	*2,445.50*

Complete Fixed Device
ComPacT NSX100/250HB2 (100 kA 500 V - 100 kA 690 V)
& ComPacT NSX100/160/250NA

unit price (excl. GST in Singapore Dollars)

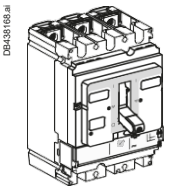
Complete Fixed Device

With thermal-magnetic trip unit TM-D



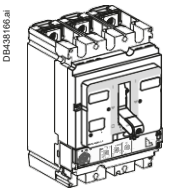
ComPacT NSX100HB2 (100 kA at 500 V - 100 kA at 690 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 4d**	**Price (S$)**
TM63D	C10W3TM063	*968.50*	C10W4TM063	*1,590.00*
TM80D	C10W3TM080	*968.50*	C10W4TM080	*1,590.00*
TM100D	C10W3TM100	*968.50*	C10W4TM100	*1,590.00*
ComPacT NSX250HB2 (100 kA at 500 V - 100 kA at 690 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 4d**	**Price (S$)**
TM125D	C25W3TM125	*2,243.50*	C25W4TM125	*3,590.00*
TM160D	C25W3TM160	*2,293.00*	C25W4TM160	*3,849.50*
TM200D	C25W3TM200	*2,442.00*	C25W4TM200	*3,849.50*
TM250D	C25W3TM250	*2,442.00*	C25W4TM250	*3,849.50*

With electronic trip unit MicroLogic 2.2 (LSOI protection)



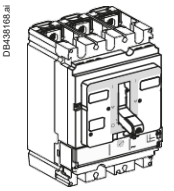
ComPacT NSX100HB2 (100 kA at 500 V - 100 kA at 690 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
40 A	C10W32D040	*1,161.50*	C10W42D040	*POA*
100 A	C10W32D100	*1,161.50*	C10W42D100	*POA*
ComPacT NSX250HB2 (100 kA at 500 V - 100 kA at 690 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2**	**Price (S$)**
100 A	C25W32D100	*2,523.50*	C25W42D100	*3,821.50*
160 A	C25W32D160	*2,523.50*	C25W42D160	*POA*
250 A	C25W32D250	*2,523.50*	C25W42D250	*4,097.50*

With electronic trip unit MicroLogic 5.2 E (LSI protection, energy meter)



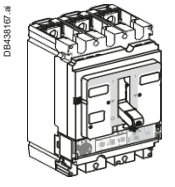
ComPacT NSX100HB2 (100 kA at 500 V - 100 kA at 690 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2,OSN**	**Price (S$)**
40 A	C10W35E040	*2,921.00*	C10W45E040	*3,442.00*
100 A	C10W35E100	*2,921.00*	C10W45E100	*3,442.00*
ComPacT NSX250HB2 (100 kA at 500 V - 100 kA at 690 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d, 4d, 3d + N/2, OSN**	**Price (S$)**
100 A	C25W35E100	*4,347.00*	C25W45E100	*5,118.50*
160 A	C25W35E160	*4,347.00*	C25W45E160	*5,349.00*
250 A	C25W35E250	*4,347.00*	C25W45E250	*5,536.00*

With magnetic trip unit MA



ComPacT NSX100HB2 (100 kA at 500 V - 100 kA at 690 V)		
Rating	**3P 3d**	**Price (S$)**
MA12.5	C10W3MA013	*1,078.00*
MA25	C10W3MA025	*1,078.00*
MA50	C10W3MA050	*1,078.00*
MA100	C10W3MA100	*1,078.00*
ComPacT NSX250HB2 (100 kA at 500 V - 100 kA at 690 V)		
Rating	**3P 3d**	**Price (S$)**
MA150	C25W3MA150	*2,440.00*
MA220	C25W3MA220	*2,440.00*

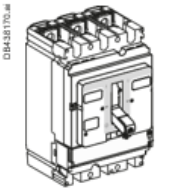
With electronic trip unit MicroLogic 2.2 M (LSOI motor protection)



ComPacT NSX100HB2 (100 kA at 500 V - 100 kA at 690 V)		
Rating	**3P 3d**	**Price (S$)**
25 A	C10W32M025	*1,375.50*
50 A	C10W32M050	*1,375.50*
100 A	C10W32M100	*1,375.50*
ComPacT NSX250HB2 (100 kA at 500 V - 100 kA at 690 V)		
Rating	**3P 3d**	**Price (S$)**
150 A	C25W32M150	*2,738.50*
220 A	C25W32M220	*2,738.50*

ComPacT NSX100/250HB2

With thermal-magnetic trip unit TM-D



ComPacT NSX100NA						
Rating	**2P**	**Price (S$)**	**3P**	**Price (S$)**	**4P**	**Price (S$)**
100 A	C102100S	*375.00*	C103100S	*332.00*	C104100S	*445.50*
ComPacT NSX160NA						
Rating	**2P**	**Price (S$)**	**3P**	**Price (S$)**	**4P**	**Price (S$)**
160 A	C162160S	*556.00*	C163160S	*533.00*	C164160S	*719.50*
ComPacT NSX250NA						
Rating	**2P**	**Price (S$)**	**3P**	**Price (S$)**	**4P**	**Price (S$)**
250 A	C252250S	*671.50*	C253250S	*797.00*	C254250S	*1,204.50*

B

unit price (excl. GST in Singapore Dollars)

Trip Unit Accessories & Installation and Connection

External neutral CT for 3 pole breaker with MicroLogic 5/6

		Price (S$)
25-100 A	LV429521	*410.00*
150-250 A	LV430563	*410.00*

24 V DC wiring accessory for MicroLogic 5/6

		Price (S$)
24 V DC power supply connector	LV434210	*155.00*

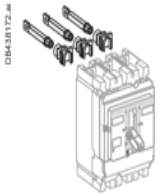
ZSI wiring accessory for NS630NW with NSX

		Price (S$)
ZSI module	LV434212	*626.50*

External power supply module (24 V DC - 1 A), class 4

		Price (S$)
24-30 V DC	LV454440	*901.00*
48-60 V DC	LV454441	*901.00*
100-125 V DC	LV454442	*901.00*
110-130 V AC	LV454443	*625.00*
200-240 V AC	LV454444	*505.00*

Fixed/RC device = fixed/FC device + rear connection kit



Short RC kit

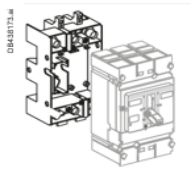
			Price (S$)
Kit 3P	3 x	LV429235	70.00
Kit 4P	4 x	LV429235	70.00

Mixed RC kit

				Price (S$)
Kit 3P	Short RCs	2 x	LV429235	70.00
	Long RCs	1 x	LV429236	100.00
Kit 4P	Short RCs	2 x	LV429235	70.00
	Long RCs	2 x	LV429236	100.00

Plug-in version = fixed/FC device + plug-in kit

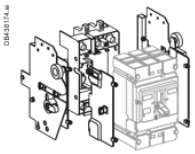
Kit for ComPacT NSX



	2P (3P)	Price (S$)	3P	Price (S$)	4P	Price (S$)
Plug-in kit	LV429288	281.50	LV429289	369.50	LV429290	472.00
Comprising:						
Base	= 1 x LV429265	150.50	= 1 x LV429266	204.00	= 1 x LV429267	271.00
Power connections	+ 2 x LV429268	70.00	+ 3 x LV429268	105.00	+ 4 x LV429268	140.00
Short terminal shields	+ 2 x LV429515	41.00	+ 2 x LV429515	41.00	+ 2 x LV429516	41.00
Safety trip interlock	+ 1 x LV429270	22.00	+ 1 x LV429270	22.00	+ 1 x LV429270	22.00

Withdrawable version = fixed/FC device + withdrawable kit

Kit for ComPacT NSX



	2P (3P)	Price (S$)	3P	Price (S$)	4P	Price (S$)
		674.00		762.00		864.50
Plug-in kit	1 x LV429288	281.50	1 x LV429289	369.50	1 x LV429290	472.00
	+		+		+	
Chassis side plates	1 x LV429282	292.50	1 x LV429282	292.50	1 x LV429282	292.50
for base	+		+		+	
Chassis side plates	1 x LV429283	100.00	1 x LV429283	100.00	1 x LV429283	100.00

unit price (excl. GST in Singapore Dollars)

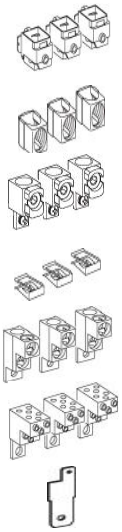
B

Accessories and Auxiliaries

Rear connections

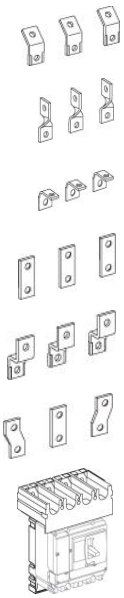
		Price (S$)
2 short	LV429235	70.00
2 long	LV429236	100.00

Bare cable connectors



				Price (S$)
Steel connectors	1 x (1.5 to 95 mm²) ; y 160 A	Set of 3	LV429242	36.50
		Set of 4	LV429243	47.00
Aluminium connectors	1 x (25 to 95 mm²) ; y 250 A	Set of 3	LV429227	78.50
		Set of 4	LV429228	104.50
	1 x (120 to 185 mm²) ; y 250 A	Set of 3	LV429259	78.50
		Set of 4	LV429260	104.50
Clips for connectors		Set of 10	LV429241	31.00
Aluminium connectors for 2 cables [1]	2 x (50 to 120 mm²) ; y 250 A	Set of 3	LV429218	136.50
		Set of 4	LV429219	177.50
Aluminium connectors [1] for 6 cables	6 x (1.5 to 35 mm²) ; y 250 A	Set of 3	LV429248	232.00
		Set of 4	LV429249	309.00
6.35 mm voltage tap for aluminium connectors for 1 or 2 cables		Set of 10	LV429348	42.50

Terminal extensions



			Price (S$)
45° terminal extension [1]	Set of 3	LV429223	65.00
	Set of 4	LV429224	66.00
Edgewise terminal extensions [1]	Set of 3	LV429308	61.00
	Set of 4	LV429309	78.50
Right-angle terminal extensions [1]	Set of 3	LV429250	37.50
	Set of 4	LV429261	50.00
	Set of 5	LV429262	67.50
Straight terminal extensions [1]	Set of 3	LV429263	41.50
	Set of 4	LV429264	54.00
Double-L terminal extensions [1]	Set of 3	LV429221	67.50
	Set of 4	LV429222	72.50
Spreaders from 35 to 45 mm pitch [1]	3P	LV431563	42.50
	4P	LV431564	56.50
One-piece spreader from 35 to 45 mm pitch	3P	LV431060	189.00
Front alignment base (for one-piece spreader)	4P	LV431061	242.50
	3P/4P	LV431064	80.00

[1] Supplied with 2 or 3 interphase barriers.

Accessories and Auxiliaries
ComPacT NSX100/160/250

unit price (excl. GST in Singapore Dollars)

B

Accessories and Auxiliaries

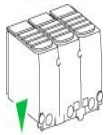
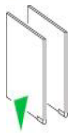
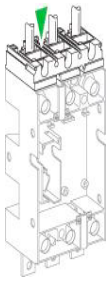
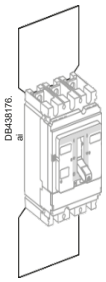
Crimp lugs for copper cable [1]

			Price (S$)
For cable 120 mm²	Set of 3	LV429252	*94.50*
	Set of 4	LV429256	*126.50*
For cable 150 mm²	Set of 3	LV429253	*113.50*
	Set of 4	LV429257	*152.00*
For cable 185 mm²	Set of 3	LV429254	*136.50*
	Set of 4	LV429258	*182.00*

Crimp lugs for aluminium cable [1]

			Price (S$)
For cable 150 mm²	Set of 3	LV429504	*262.00*
	Set of 4	LV429505	*284.50*
For cable 185 mm²	Set of 3	LV429506	*313.50*
	Set of 4	LV429507	*314.50*

Insulation accessories

			Price (S$)
1 short terminal shield for breaker or plug-in base	3P	LV429515	*20.50*
	4P	LV429516	*20.50*
 1 long terminal shield for breaker or plug-in base	3P	LV429517	*25.50*
	4P	LV429518	*31.50*
 Interphase barriers for breaker or plug-in base	Set of 6	LV429329	*26.50*
 Connection adapter for plug-in base	3P	LV429306	*23.50*
	4P	LV429307	*31.50*
 2 insulating screens for breaker (45 mm pitch)	3P	LV429330	*40.00*
	4P	LV429331	*35.00*

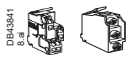
[1] Supplied with 2 or 3 interphase barriers.

Accessories and Auxiliaries
ComPacT NSX100/160/250

unit price (excl. GST in Singapore Dollars)

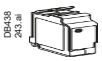
Accessories and Auxiliaries

Auxiliary contacts (wired, screwless)



		Price (S$)
OF or SD or SDE or SDV screwless type	29450	*51.50*
OF or SD or SDE or SDV low level screw type	29452	*72.50*
SDE adapter, mandatory for trip unit TM, MA or MicroLogic 2	LV429451	*23.50*

Auxiliary contacts (wireless)



		Price (S$)
OF or SD or SDE or SDE wireless	LV429454	*452.50*

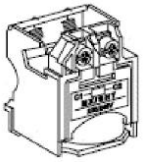
SDx output module for MicroLogic

		Price (S$)
SDx module 24/415 V AC/DC	LV429532	*358.50*

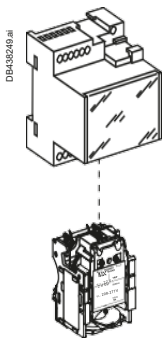
SDTAM contactor tripping module (early-break thermal fault signal) for MicroLogic 2.2 M/6.2 E-M

		Price (S$)
SDTAM 24/415 V AC/DC overload fault indication	LV429424	*267.50*

Voltage releases



	Voltage	MX (shunt)	Price (S$)	MN (undervoltage)	Price (S$)
AC	24 V 50/60 Hz	LV429384	*135.00*	LV429404	*183.50*
	48 V 50/60 Hz	LV429385	*135.00*	LV429405	*183.50*
	110-130 V 50/60 Hz	LV429386	*135.00*	LV429406	*183.50*
	220-240 V 50/60 Hz and 208-277 V 60 Hz	LV429387	*135.00*	LV429407	*183.50*
	380-415 V 50 Hz and 440-480 V 60 Hz	LV429388	*135.00*	LV429408	*183.50*
	525 V 50 Hz and 600 V 60 Hz	LV429389	*135.00*	LV429409	*314.00*
DC	12 V	LV429382	*135.00*	LV429402	*183.50*
	24 V	LV429390	*135.00*	LV429410	*183.50*
	30 V	LV429391	*135.00*	LV429411	*314.00*
	48 V	LV429392	*135.00*	LV429412	*183.50*
	60 V	LV429383	*172.50*	LV429403	*241.50*
	125 V	LV429393	*135.00*	LV429413	*183.50*
	250 V	LV429394	*135.00*	LV429414	*183.50*



			Price (S$)
MN 48 V 50/60 Hz with fixed time delay			
Composed of:	MN 48 V DC	LV429412	*183.50*
	Delay unit 48 V 50/60 Hz	LV429426	*401.50*
MN 220-240 V 50/60 Hz with fixed time delay			
Composed of:	MN 250 V DC	LV429414	*183.50*
	Delay unit 220-240 V 50/60 Hz	LV429427	*285.50*
MN 48 V DC/AC 50/60 Hz with adjustable time delay			
Composed of:	MN 48 V DC	LV429412	*183.50*
	Delay unit 48 V DC/AC 50/60 Hz	33680	*385.50*
MN 110-130 V DC/AC 50/60 Hz with adjustable time delay			
Composed of:	MN 125 V DC	LV429413	*183.50*
	Delay unit 100-130 V DC/AC 50/60 Hz	33681	*385.50*
MN 220-250 V DC/AC 50/60 Hz with adjustable time delay			
Composed of:	MN 250 V DC	LV429414	*183.50*
	Delay unit 200-250 V DC/AC 50/60 Hz	33682	*385.50*

Accessories and Auxiliaries
ComPacT NSX100/160/250

unit price (excl. GST in Singapore Dollars)

B

Accessories and Auxiliaries

Motor mechanism module supplied with SDE adapter

	Voltage	MT100/160	Price (S$)	MT250	Price (S$)
AC	48-60 V 50/60 Hz	LV429440	*1,360.00*	LV431548	*1,822.00*
	110-130 V 50/60 Hz	LV429433	*739.00*	LV431540	*983.50*
	220-240 V 50/60 Hz and 208-277 V 60 Hz	LV429434	*739.00*	LV431541	*983.50*
	380-415 V 50/60 Hz and 440-480 V 60 Hz	LV429435	*739.00*	LV431542	*983.50*
DC	24-30 V	LV429436	*860.00*	LV431543	*1,227.50*
	48-60 V	LV429437	*860.00*	LV431544	*1,227.50*
	110-130 V	LV429438	*860.00*	LV431545	*1,227.50*
	250 V	LV429439	*860.00*	LV431546	*1,227.50*

Communicating motor mechanism module supplied with SDE adapter

				Price (S$)
Motor mechanism module	MTc 100/160	220-240 V 50/60 Hz	LV429441	*1,398.50*
	MTc 250	220-240 V 50/60 Hz	LV431549	*1,383.50*
Breaker and Status Communication Module	BSCM+		LV434220	*440.00*
Interface module, Modbus SL HUB	Daisy chain for Modbus SL devices		LV434224	*462.00*
Modbus cable	Wire length L = 0.35 m		LV434221	*130.00*
	Wire length L = 1.3 m		LV434222	*150.00*
	Wire length L = 3 m		LV434223	*170.00*
NSX cord	Wire length L = 0.35 m		LV434200	*152.00*
	Wire length L = 1.3 m		LV434201	*176.50*
	Wire length L = 3 m		LV434202	*183.50*
	U > 480 V AC wire length L = 0.35 m		LV434204	*866.50*

+ VigiPact Add-on protection and alarm modules

VigiPacT Add-on protection

	3P	Price (S$)	4P	Price (S$)
NSX100/160 (200 to 440 V)	LV429488	*833.50*	LV429489	*877.50*
NSX250 (200 to 440 V)	LV429492	*1,276.50*	LV429493	*1,344.00*
NSX100/160 (440 to 550 V)	LV429490	*875.00*	LV429491	*890.50*
NSX250 (440 to 550 V)	LV429494	*1,295.50*	LV429495	*1,295.50*
Connection for a 4P Vigi on a 3P breaker			LV429214	*103.50*

VigiPacT Add-on alarm

	3P	Price (S$)	4P	Price (S$)
200 to 440 V AC	LV429498	*919.50*	LV429499	*919.50*
Connection for a 4P insulation monitoring module on a 3P breaker			LV429214	*103.50*

Accessories and Auxiliaries
ComPacT NSX100/160/250

unit price (excl. GST in Singapore Dollars)

Accessories and Auxiliaries

PowerTag NSX

Rating (A)	250	Price (S$)
3P	LV434020	*1,352.00*
3P + N	LV434021	*1,685.00*

Rotary handles

Direct rotary handle

		Price (S$)
With black handle	LV429337T	*90.00*
With red handle on yellow front	LV429339T	*97.50*
MCC conversion accessory	LV429341T	*92.50*
CNOMO conversion accessory	LV429342T	*135.00*

Extended rotary handle

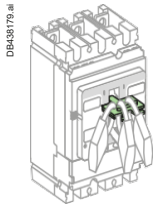
		Price (S$)
With black handle	LV429338T	*146.00*
With red handle on yellow front	LV429340T	*159.00*
With telescopic handle for withdrawable device	LV429343T	*320.00*
Open door shaft operator	LV426937	*61.00*

Accessories for direct or extended rotary handle

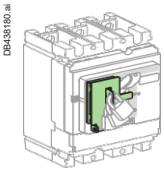
			Price (S$)
Indication auxiliary	*1 early-break contact*	LV429345	*153.00*
	2 early-make contacts	LV429346	*153.00*

Locks

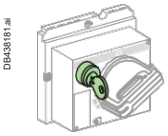
Toggle locking device for 1 to 3 padlocks



		Price (S$)
By removable device	29370	*22.00*
By fixed device for 3P-4P (open or close position)	LV429371	*48.50*

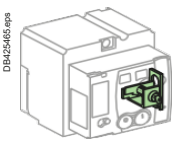


Locking of rotary handle



			Price (S$)
Keylock adapter (keylock not included)		LV429344	*31.50*
Keylock (keylock adapter not included)	Ronis 1351B.500	41940	*109.50*
	Profalux KS5 B24 D4Z	42888	*199.00*

Locking of motor mechanism module



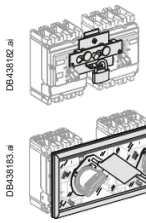
	Price (S$)
Keylock adapter + Ronis keylock (special)	LV429449	*104.50*

Accessories and Auxiliaries
ComPacT NSX100/160/250

unit price (excl. GST in Singapore Dollars)

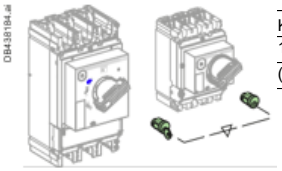
Accessories and Auxiliaries

Mechanical interlocking for circuit breakers



		Price (S$)
With toggles	LV429354T	*277.00*
With rotary handles	LV429369T	*346.50*

Interlocking with key (2 keylocks / 1 key) for rotary handles



			Price (S$)
Keylock kit (keylock not included) [1]		LV429344	*31.50*
1 set of 2 keylocks	Ronis 1351B.500	41950	*224.50*
(1 key only, keylock kit not included)	Profalux KS5 B24 D4Z	42878	*587.50*

Installation accessories

Front-panel escutcheons

		Price (S$)
IP30 escutcheon for all control types	LV429525	*34.00*
IP30 trip unit access escutcheon for toggle	LV429526	*36.50*
IP30 escutcheon for VigiPacT add-on	LV429527	*46.50*
IP40 escutcheon for all control types	LV429317	*62.00*
IP40 escutcheon for VigiPacT add-on	LV429316	*28.50*
IP40 escutcheon for VigiPacT add-on	LV429318	*109.50*

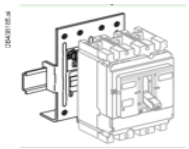
IP43 rubber toggle cover

		Price (S$)
1 toggle cover	LV429319[2]	*152.00*

Lead-sealing accessories

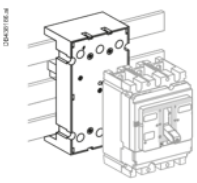
		Price (S$)
Bag of accessories	LV429375	*40.00*

Din rail adapter



		Price (S$)
1 adapter	LV429305	*82.00*

60 mm plate



		Price (S$)
Plate 3P ComPacT NSX100/250 IEC	LV429372	*251.75*

[1] For only 1 device.

[2] Applicable with old front cover only. Need to order LV429313, toggle extension to be compatible for IP43 rubber cover.

Accessories and Auxiliaries
ComPacT NSX100/160/250

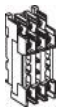
unit price (excl. GST in Singapore Dollars)

Accessories and Auxiliaries

Insulation accessories

			Price (S$)
1 connection adapter for plug-in base	3P	LV429306	23.50
	4P	LV429307	31.50

Auxiliary connections



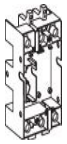
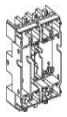
LV429273 *LV429274*

LV429275 *LV429272*

		Price (S$)
1 9-wire fixed connector (for base)	LV429273	64.50
1 9-wire moving connector (for circuit breaker)	LV429274	42.50
1 support for 2 moving connectors	LV429275	20.50
9-wire manual auxiliary connector (fixed + moving)	LV429272	144.50

Plug-in base accessories

LV429276 *LV429271*

LV429265 *LV429267*

LV429268 *LV429515*

LV429516 *LV429270*

			Price (S$)
2 long insulated right angle terminal extensions	Set of 2	LV429276	112.00
2 IP40 shutters for base		LV429271	62.00
Base	2P (3P base)	LV429265	150.50
	3P	LV429266	204.00
Base	4P	LV429267	271.00
2 power connections	2/3/4P	LV429268	35.00
1 short terminal shield	2/3P	LV429515	20.50
1 short terminal shield	4P	LV429516	20.50
1 safety trip interlock	2/3/4P	LV429270	22.00

Chassis accessories

LV429284 *LV429285*

LV429286 *LV429287*

				Price (S$)
Escutcheon collar		Toggle	LV429284[1]	56.00
Escutcheon collar		VigiPacT add-on	LV429285	74.00
Locking kit (keylock not included)			LV429286	127.50
Keylock (keylock adapter not included)	Ronis 1351B.500		41940	109.50
	Profalux KS5 B24 D4Z		42888	199.00
2 carriage switches (connected/disconnected position indication)			LV429287	104.50

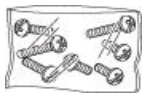
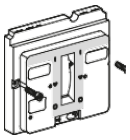
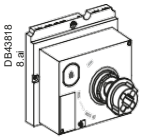
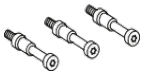
[1] Need to order LV434435, NSX front cover to be compatible for escutcheon collar for toggle

Accessories and Auxiliaries
ComPacT NSX100/160/250

unit price (excl. GST in Singapore Dollars)

B

Accessories and Auxiliaries

				Price (S$)
	5 spare toggle extensions (NSX250)		LV429313	*55.00*
	Bag of screws		LV429312	*18.00*
	12 snap-in nuts (fixed/FC)	M6 for NSX100N/H/L	LV429234	*60.00*
		M8 for NSX160/250N/H/L	LV430554	*60.00*
	NS retrofit escutcheon	Small cut-out	LV429528	*20.50*
	IP40 toggle escutcheon	ComPacT NS type/small cut-out	29315	*22.00*
	1 set of 10 identification labels		LV429226	*23.50*
	1 base for extended rotary handle		LV429502	*113.50*
	Torque limiting screws (set of 12)	3P/4P ComPacT NSX100-250	LV429513	*45.50*
	LCD display for electronic trip unit	MicroLogic 5	LV429483	*417.30*
		MicroLogic 6	LV429484	*403.00*
		MicroLogic 6 E-M	LV429486	*403.00*
	5 transparent covers for trip unit	TM, MA, NA	LV429481	*68.00*
		MicroLogic 2	LV429481	*68.00*
		MicroLogic 5/6	LV429478	*56.50*

Visible break disconnect function

See catalog "ComPacT INV products (visible break)" and the associated accessories.
The visible break disconnection function is compatible with fixed front-connected/rear-connected ComPacT

Accessories and Auxiliaries
ComPacT NSX100/160/250

unit price (excl. GST in Singapore Dollars)

Accessories and Auxiliaries

			Price (S$)
IFE	Ethernet interface for LV breaker	LV434001	901.50
	Ethernet interface for LV breakers and gateway	LV434002	1,366.00

IFM Modbus-SL interface module	LV434000	424.50
Modbus SL HUB	LV434224	462.00

I/O application module	LV434063	895.00

Monitoring and control (remote operation)

Circuit breaker accessories

			Price (S$)
Breaker Status Control Module	BSCM+ [1]	LV434220	440.00

ULP display module [2]

		Price (S$)
Switchboard front display module FDM121	TRV00121	584.00
FDM mounting accessory (diameter 22 mm)	TRV00128	31.50

Ethernet display module

		Price (S$)
Switchboard front display module FDM128	LV434128	1,673.50

ULP wiring accessories

		Price (S$)
Modbus SL cord L = 0.35 m	LV434221	130.00
Modbus SL cord L = 1.3 m	LV434222	150.00
Modbus SL cord L = 3 m	LV434223	170.00
NSX cord L = 0.35 m	LV434200	152.00
NSX cord L = 1.3 m	LV434201	176.50
NSX cord L = 3 m	LV434202	183.50
NSX cord for U > 480 V AC L = 1.3 m	LV434204	866.50

10 stacking connectors for communication interface modules	TRV00217	382.50

2 Modbus line terminators	VW3A8306DRC	[3]	29.15

Connector Modbus adaptor LV434211	LV434211	201.00

5 RJ45 connectors female/female	TRV00870	126.00

10 ULP line terminators	TRV00880	56.50

10 RJ45/RJ45 male cord L = 0.3 m	TRV00803	103.00
10 RJ45/RJ45 male cord L = 0.6 m	TRV00806	143.50
5 RJ45/RJ45 male cord L = 1 m	TRV00810	94.00
5 RJ45/RJ45 male cord L = 2 m	TRV00820	155.00
5 RJ45/RJ45 male cord L = 3 m	TRV00830	199.00
1 RJ45/RJ45 male cord L = 5 m	TRV00850	61.00

[1] SDE adapter mandatory for trip unit TM, MA or MicroLogic 2 (LV429451).

[2] For measurement display with MicroLogic E or status display with BSCM.

[3] www.schneider-electric.com..

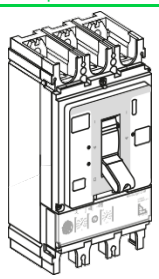
Complete Fixed Device
ComPacT NSX400/630F (36 kA 380/415 V)

unit price (excl. GST in Singapore Dollars)

B

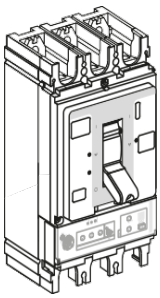
Complete Fixed Device

Electronic trip unit MicroLogic 2.3 (LSOI protection)



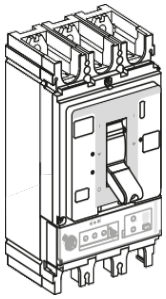
		3P 3d	Price (S$)	4P 3d, 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400F (36 kA at 380/415 V)	400 A	C40F3 + C4032D400 + (2X)LV432490	*1,315.50*	C40F4 + C4042D400 + (2X)LV432491	*1,872.50*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630F (36 kA at 380/415 V)	630 A	C63F3 + C6332D630 + (2X)LV432492	*1,693.50*	C63F4 + C6342D630 + (2X)LV432493	*2,795.00*

Electronic trip unit MicroLogic Vigi 4.3 (LSoIR protection) ≤440 VAC



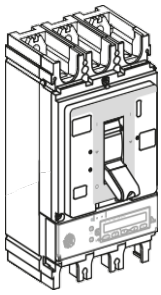
		3P 3d	Price (S$)	4P 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400F (36 kA at 380/415 V)	400 A	C40F3 + C4034V400 + (2X)LV432490	*3,567.50*	C40F4 + C4044V400 + (2X)LV432491	*4,085.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630F (36 kA at 380/415 V)	570 A	C63F3 + C6334V570 + (2X)LV432492	*4,185.50*	C63F4 + C6344V570 + (2X)LV432493	*4,668.50*

Electronic trip unit MicroLogic Vigi 4.3 (LSoIR protection + Earth Leakage Alarm) ≤440 VAC



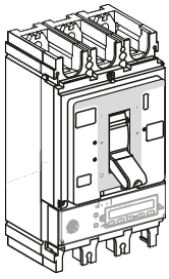
		3P 3d	Price (S$)	4P 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400F (36 kA at 380/415 V)	400 A	C40F3 + C4034A400 + (2X)LV432490	*3,651.50*	C40F4 + C4044A400 + (2X)LV432491	*4,174.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630F (36 kA at 380/415 V)	570 A	C63F3 + C6334A570 + (2X)LV432492	*4,276.50*	C63F4 + C6344A570 + (2X)LV432493	*4,763.50*

Electronic trip unit Micrologic 5.3 E (LSI protection, energy meter)



		3P 3d	Price (S$)	4P 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400F (36 kA at 380/415 V)	400 A	C40F3 + C4035E400 + (2X)LV432490	*2,442.00*	C40F4 + C4045E400 + (2X)LV432491	*3,792.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630F (36 kA at 380/415 V)	630 A	C63F3 + C6335E630 + (2X)LV432492	*2,849.00*	C63F4 + C6345E630 + (2X)LV432493	*4,270.50*

Electronic trip unit Micrologic 6.3 E (LSIG protection, energy meter)



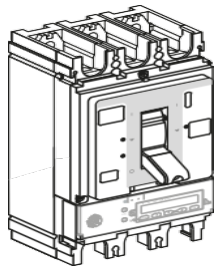
		3P 3d	Price (S$)	4P 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400F (36 kA at 380/415 V)	400 A	C40F3 + C4036E400 + (2X)LV432490	*3,177.00*	C40F4 + C4046E400 + (2X)LV432491	*3,792.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630F (36 kA at 380/415 V)	630 A	C63F3 + C6336E630 + (2X)LV432492	*4,011.50*	C63F4 + C6346E630 + (2X)LV432493	*4,517.50*

Complete Fixed Device
ComPacT NSX400/630F (36 kA 380/415 V)

unit price (excl. GST in Singapore Dollars)

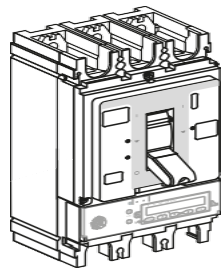
Complete Fixed Device

With electronic trip unit MicroLogic Vigi 7.3 E (LSIR protection) ≤440 VAC



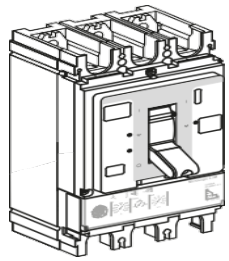
		3P 3d	Price (S$)	4P 3d, 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400F (36 kA at 380/415 V)	400 A	C40F3 + C4037E400 + (2X)LV432490	*4,425.50*	C40F4 + C4047E400 + (2X)LV432491	*4,978.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630F (36 kA at 380/415 V)	630 A	C63F3 + C6337E570 + (2X)LV432492	*5,115.50*	C63F4 + C6347E570 + (2X)LV432493	*5,635.50*

With electronic trip unit MicroLogic Vigi 7.3 E AL (LSI protection + earth leakage alarm) ≤440 VAC



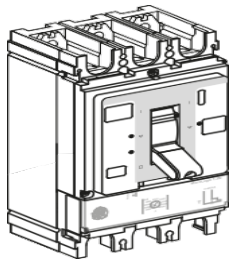
		3P 3d	Price (S$)	4P 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400F (36 kA at 380/415 V)	400 A	C40F3 + C4037A400 + (2X)LV432490	*4,481.50*	C40F4 + C4047A400 + (2X)LV432491	*5,037.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630F (36 kA at 380/415 V)	570 A	C63F3 + C6337A570 + (2X)LV432492	*5,178.00*	C63F4 + C6347A570 + (2X)LV432493	*5,700.00*

Electronic trip unit MicroLogic 1.3 M (I motor protection)



		3P 3d	Price (S$)
ComPacT NSX400F 1.3 M (36 kA at 380/415V)	320 A	C40F31M320	*1,445.50*
ComPacT NSX630F 1.3 M (36 kA at 380/415V)	500 A	C63F31M500	*1,918.50*

Electronic trip unit MicroLogic 2.3 M (LSOI motor protection)



		3P 3d	Price (S$)
ComPacT NSX400F 2.3 M (36 kA at 380/415V)	320 A	C40F32M320	*1,738.50*
ComPacT NSX630F 2.3 M (36 kA at 380/415V)	500 A	C40F32M320	*1,738.50*

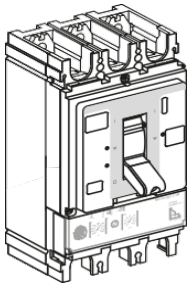
Complete Fixed Device
ComPacT NSX400/630N (50 kA 380/415 V)

unit price (excl. GST in Singapore Dollars)

B

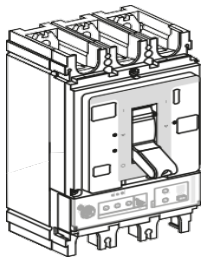
Complete Fixed Device

Electronic trip unit MicroLogic 2.3 (LSOI protection)



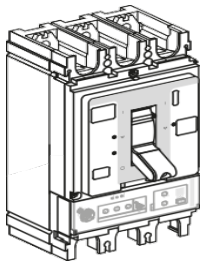
		3P 3d	Price (S$)	4P 3d, 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400N (50 kA at 380/415 V)	400 A	C40N3 + C4032D400 + (2X)LV432490	*1,379.50*	C40N4 + C4042D400 + (2X)LV432491	*2,366.50*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630N (50 kA at 380/415 V)	630 A	C63N3 + C6332D630 + (2X)LV432492	*1,991.00*	C63N4 + C6342D630 + (2X)LV432493	*3,300.50*

Electronic trip unit MicroLogic Vigi 4.3 (LSoIR protection) ≤440 VAC



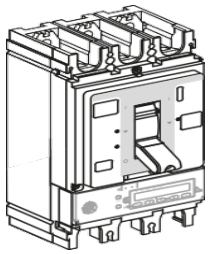
		3P 3d	Price (S$)	4P 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400N (50 kA at 380/415 V)	400 A	C40N3 + C4034V400 + (2X)LV432490	*3,631.50*	C40N4 + C4044V400 + (2X)LV432491	*4,579.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630N (50 kA at 380/415 V)	570 A	C63N3 + C6334V570 + (2X)LV432492	*4,483.00*	C63N4 + C6344V570 + (2X)LV432493	*5,174.00*

Electronic trip unit MicroLogic Vigi 4.3 (LSoIR protection + Earth Leakage Alarm) ≤440 VAC



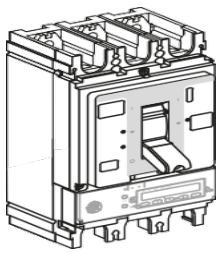
		3P 3d	Price (S$)	4P 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400N (50 kA at 380/415 V)	400 A	C40N3 + C4034A400 + (2X)LV432490	*3,715.50*	C40N4 + C4044A400 + (2X)LV432491	*4,668.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630N (50 kA at 380/415 V)	570 A	C63N3 + C6334A570 + (2X)LV432492	*4,574.00*	C63N4 + C6344A570 + (2X)LV432493	*5,269.00*

Electronic trip unit Micrologic 5.3 E (LSI protection, energy meter)



		3P 3d	Price (S$)	4P 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400N (50 kA at 380/415 V)	400 A	C40N3 + C4035E400 + (2X)LV432490	*2,506.00*	C40N4 + C4045E400 + (2X)LV432491	*4,286.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630N (50 kA at 380/415 V)	630 A	C63N3 + C6335E630 + (2X)LV432492	*3,146.50*	C63N4 + C6345E630 + (2X)LV432493	*4,776.00*

Electronic trip unit Micrologic 6.3 E (LSIG protection, energy meter)



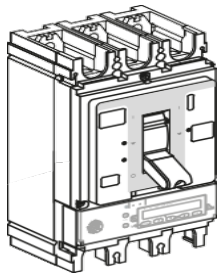
		3P 3d	Price (S$)	4P 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400N (50 kA at 380/415 V)	400 A	C40N3 + C4036E400 + (2X)LV432490	*3,241.00*	C40N4 + C4046E400 + (2X)LV432491	*4,286.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630N (50 kA at 380/415 V)	630 A	C63N3 + C6336E630 + (2X)LV432492	*4,309.00*	C63N4 + C6346E630 + (2X)LV432493	*5,023.00*

Complete Fixed Device
ComPacT NSX400/630N (50 kA 380/415 V)

unit price (excl. GST in Singapore Dollars)

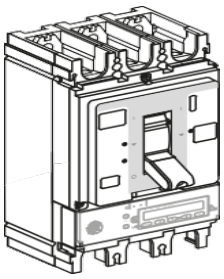
Complete Fixed Device

With electronic trip unit MicroLogic Vigi 7.3 E (LSIR protection) ≤440 VAC



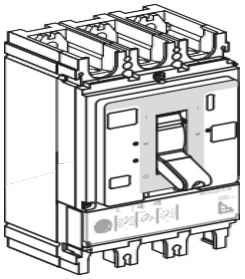
		3P 3d	Price (S$)	4P 3d, 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400N (50 kA at 380/415 V)	400 A	C40N3 + C4037E400 + (2X)LV432490	*4,489.50*	C40N4 + C4047E400 + (2X)LV432491	*5,472.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630N (50 kA at 380/415 V)	630 A	C63N3 + C6337E570 + (2X)LV432492	*5,413.00*	C63N4 + C6347E570 + (2X)LV432493	*6,141.00*

With electronic trip unit MicroLogic Vigi 7.3 E AL (LSI protection + earth leakage alarm) ≤440 VAC



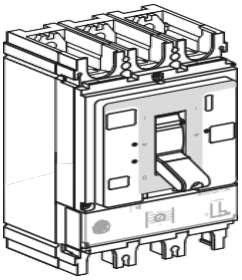
		3P 3d	Price (S$)	4P 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400N (50 kA at 380/415 V)	400 A	C40N3 + C4037A400 + (2X)LV432490	*4,545.50*	C40N4 + C4047A400 + (2X)LV432491	*5,531.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630N (50 kA at 380/415 V)	570 A	C63N3 + C6337A570 + (2X)LV432492	*5,475.50*	C63N4 + C6347A570 + (2X)LV432493	*6,205.50*

Electronic trip unit MicroLogic 1.3 M (I motor protection)



	3P 3d	Price (S$)
ComPacT NSX400N 1.3 M (50 kA at 380/415V) 320 A	C40N31M320	*1,508.00*
ComPacT NSX630N 1.3 M (50 kA at 380/415V) 500 A	C63N31M500	*2,216.50*

Electronic trip unit MicroLogic 2.3 M (LSOI motor protection)



	3P 3d	Price (S$)
ComPacT NSX400N 2.3 M (50 kA at 380/415V) 320 A	C40N32M320	*1,802.00*
ComPacT NSX630N 2.3 M (50 kA at 380/415V) 500 A	C40N32M320	*1,802.00*

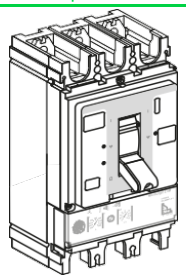
Complete Fixed Device
ComPacT NSX400/630H (70 kA 380/415 V)

unit price (excl. GST in Singapore Dollars)

B

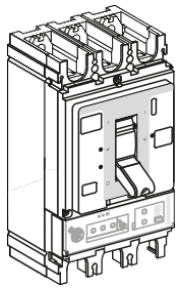
Complete Fixed Device

Electronic trip unit MicroLogic 2.3 (LSOI protection)



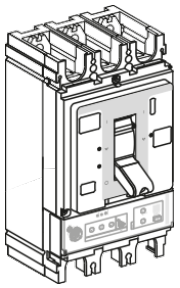
		3P 3d	Price (S$)	4P 3d, 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400H (70 kA at 380/415 V)	400 A	C40H3 + C4032D400 + (2X)LV432490	*1,730.50*	C40H4 + C4042D400 + (2X)LV432491	*2,837.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630H (70 kA at 380/415 V)	630 A	C63H3 + C6332D630 + (2X)LV432492	*2,316.50*	C63H4 + C6342D630 + (2X)LV432493	*3,892.50*

Electronic trip unit MicroLogic Vigi 4.3 (LSoIR protection) ≤440 VAC



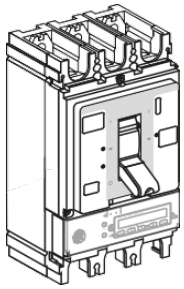
		3P 3d	Price (S$)	4P 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400H (70 kA at 380/415 V)	400 A	C40H3 + C4034V400 + (2X)LV432490	*3,982.50*	C40H4 + C4044V400 + (2X)LV432491	*5,049.50*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630H (70 kA at 380/415 V)	570 A	C63H3 + C6334V570 + (2X)LV432492	*4,808.50*	C63H4 + C6344V570 + (2X)LV432493	*5,766.00*

Electronic trip unit MicroLogic Vigi 4.3 (LSoIR protection + Earth Leakage Alarm) ≤440 VAC



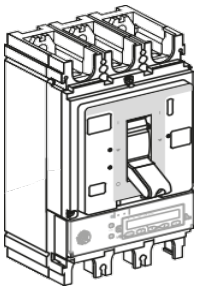
		3P 3d	Price (S$)	4P 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400H (70 kA at 380/415 V)	400 A	C40H3 + C4034A400 + (2X)LV432490	*4,066.50*	C40H4 + C4044A400 + (2X)LV432491	*5,138.50*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630H (70 kA at 380/415 V)	570 A	C63H3 + C6334A570 + (2X)LV432492	*4,899.50*	C63H4 + C6344A570 + (2X)LV432493	*5,861.00*

Electronic trip unit Micrologic 5.3 E (LSI protection, energy meter)



		3P 3d	Price (S$)	4P 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400H (70 kA at 380/415 V)	400 A	C40H3 + C4035E400 + (2X)LV432490	*2,857.00*	C40H4 + C4045E400 + (2X)LV432491	*4,756.50*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630H (70 kA at 380/415 V)	630 A	C63H3 + C6335E630 + (2X)LV432492	*3,472.00*	C63H4 + C6345E630 + (2X)LV432493	*5,368.00*

Electronic trip unit Micrologic 6.3 E (LSIG protection, energy meter)



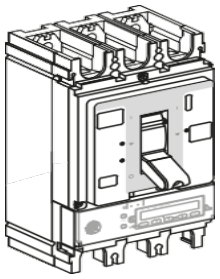
		3P 3d	Price (S$)	4P 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400H (70 kA at 380/415 V)	400 A	C40H3 + C4036E400 + (2X)LV432490	*3,592.00*	C40H4 + C4046E400 + (2X)LV432491	*4,756.50*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630H (70 kA at 380/415 V)	630 A	C63H3 + C6336E630 + (2X)LV432492	*4,634.50*	C63H4 + C6346E630 + (2X)LV432493	*5,615.00*

Complete Fixed Device
ComPacT NSX400/630H (70 kA 380/415 V)

unit price (excl. GST in Singapore Dollars)

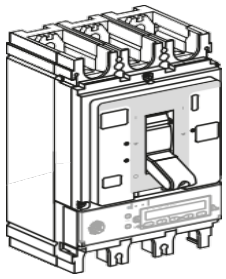
Complete Fixed Device

With electronic trip unit MicroLogic Vigi 7.3 E (LSIR protection) ≤440 VAC



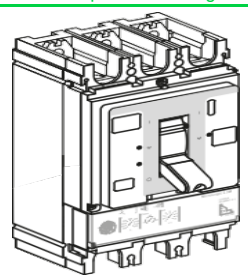
		3P 3d	Price (S$)	4P 3d, 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400H (70 kA at 380/415 V)	400 A	C40H3 + C4037E400 + (2X)LV432490	*4,840.50*	C40H4 + C4047E400 + (2X)LV432491	*5,942.50*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630H (70 kA at 380/415 V)	630 A	C63H3 + C6337E570 + (2X)LV432492	*5,738.50*	C63H4 + C6347E570 + (2X)LV432493	*6,733.00*

With electronic trip unit MicroLogic Vigi 7.3 E AL (LSI protection + earth leakage alarm) ≤440 VAC



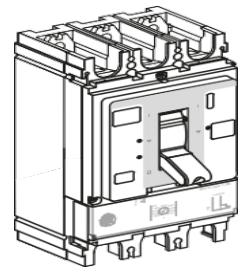
		3P 3d	Price (S$)	4P 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400H (70 kA at 380/415 V)	400 A	C40H3 + C4037A400 + (2X)LV432490	*4,896.50*	C40H4 + C4047A400 + (2X)LV432491	*6,001.50*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630H (70 kA at 380/415 V)	570 A	C63H3 + C6337A570 + (2X)LV432492	*5,801.00*	C63H4 + C6347A570 + (2X)LV432493	*6,797.50*

Electronic trip unit MicroLogic 1.3 M (I motor protection)



		3P 3d	Price (S$)
ComPacT NSX400H 1.3 M (70 kA at 380/415V)	320 A	C40H31M320	*1,859.50*
ComPacT NSX630H 1.3 M (70 kA at 380/415V)	500 A	C63H31M500	*2,350.50*

Electronic trip unit MicroLogic 2.3 M (LSOI motor protection)



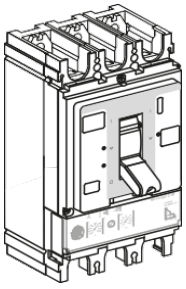
		3P 3d	*Price (S$)*
ComPacT NSX400H 2.3 M (70 kA at 380/415V)	320 A	C40H32M320	*2,153.50*
ComPacT NSX630H 2.3 M (70 kA at 380/415V)	500 A	C40H32M320	*2,153.50*

Complete Fixed Device
ComPacT NSX400/630S (100 kA 380/415 V)

unit price (excl. GST in Singapore Dollars)

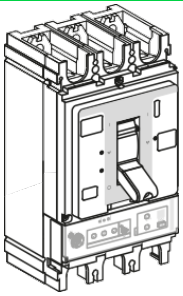
Complete Fixed Device

Electronic trip unit MicroLogic 2.3 (LSOI protection)



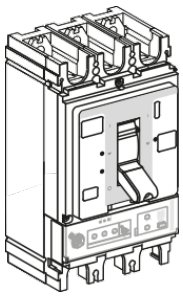
		3P 3d	Price (S$)	4P 3d, 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400S (100 kA at 380/415 V)	400 A	C40S3 + C4032D400 + (2X)LV432490	*2,072.50*	C40S4 + C4042D400 + (2X)LV432491	*3,432.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630S (100 kA at 380/415 V)	630 A	C63S3 + C6332D630 + (2X)LV432492	*2,887.50*	C63S4 + C6342D630 + (2X)LV432493	*4,745.00*

Electronic trip unit MicroLogic Vigi 4.3 (LSoIR protection) ≤440 VAC



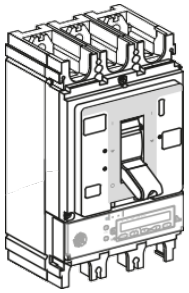
		3P 3d	Price (S$)	4P 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400S (100 kA at 380/415 V)	400 A	C40S3 + C4034V400 + (2X)LV432490	*4,324.50*	C40S4 + C4044V400 + (2X)LV432491	*5,644.50*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630S (100 kA at 380/415 V)	570 A	C63S3 + C6334V570 + (2X)LV432492	*5,379.50*	C63S4 + C6344V570 + (2X)LV432493	*6,618.50*

Electronic trip unit MicroLogic Vigi 4.3 (LSoIR protection + Earth Leakage Alarm) ≤440 VAC



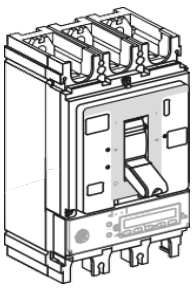
		3P 3d	Price (S$)	4P 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400S (100 kA at 380/415 V)	400 A	C40S3 + C4034A400 + (2X)LV432490	*4,408.50*	C40S4 + C4044A400 + (2X)LV432491	*5,733.50*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630S (100 kA at 380/415 V)	570 A	C63S3 + C6334A570 + (2X)LV432492	*5,470.50*	C63S4 + C6344A570 + (2X)LV432493	*6,713.50*

Electronic trip unit Micrologic 5.3 E (LSI protection, energy meter)



		3P 3d	Price (S$)	4P 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400S (100 kA at 380/415 V)	400 A	C40S3 + C4035E400 + (2X)LV432490	*3,199.00*	C40S4 + C4045E400 + (2X)LV432491	*5,351.50*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630S (100 kA at 380/415 V)	630 A	C63S3 + C6335E630 + (2X)LV432492	*4,043.00*	C63S4 + C6345E630 + (2X)LV432493	*6,220.50*

Electronic trip unit Micrologic 6.3 E (LSIG protection, energy meter)



		3P 3d	Price (S$)	4P 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400S (100 kA at 380/415 V)	400 A	C40S3 + C4036E400 + (2X)LV432490	*3,934.00*	C40S4 + C4046E400 + (2X)LV432491	*5,351.50*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630S (100 kA at 380/415 V)	630 A	C63S3 + C6336E630 + (2X)LV432492	*5,205.50*	C63S4 + C6346E630 + (2X)LV432493	*6,467.50*

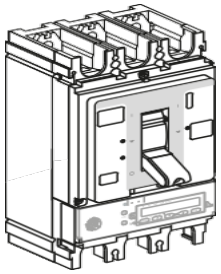
Complete Fixed Device
ComPacT NSX400/630S (100 kA 380/415 V)

unit price (excl. GST in Singapore Dollars)

B

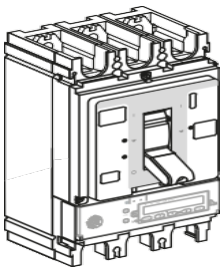
Complete Fixed Device

With electronic trip unit MicroLogic Vigi 7.3 E (LSIR protection) ≤440 VAC



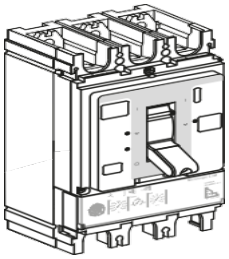
		3P 3d	Price (S$)	4P 3d, 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400S (100 kA at 380/415 V)	400 A	C40S3 + C4037E400 + (2X)LV432490	*5,182.50*	C40S4 + C4047E400 + (2X)LV432491	*6,537.50*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630S (100 kA at 380/415 V)	570 A	C63S3 + C6337E570 + (2X)LV432492	*6,309.50*	C63S4 + C6347E570 + (2X)LV432493	*7,585.50*

With electronic trip unit MicroLogic Vigi 7.3 E AL (LSI protection + earth leakage alarm) ≤440 VAC



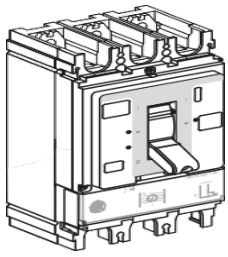
		3P 3d	Price (S$)	4P 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400S (100 kA at 380/415 V)	400 A	C40S3 + C4037A400 + (2X)LV432490	*5,238.50*	C40S4 + C4047A400 + (2X)LV432491	*6,596.50*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630S (100 kA at 380/415 V)	570 A	C63S3 + C6337A570 + (2X)LV432492	*6,372.00*	C63S4 + C6347A570 + (2X)LV432493	*7,650.00*

Electronic trip unit MicroLogic 1.3 M (I motor protection)



		3P 3d	Price (S$)
ComPacT NSX400S 1.3 M (100 kA at 380/415V)	320 A	C40S3 + C4031M320	*2,202.50*
ComPacT NSX630S 1.3 M (100 kA at 380/415V)	500 A	C63S3 + C6331M500	*3,113.50*

Electronic trip unit MicroLogic 2.3 M (LSOI motor protection)



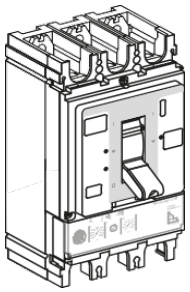
		3P 3d	Price (S$)
ComPacT NSX400S 2.3 M (100 kA at 380/415V)	320 A	C40S3 + C4032M320	*2,496.00*
ComPacT NSX630S 2.3 M (100 kA at 380/415V)	500 A	C63S3 + C6332M500	*3,301.00*

Complete Fixed Device
ComPacT NSX400/630L (150 kA 380/415 V)

unit price (excl. GST in Singapore Dollars)

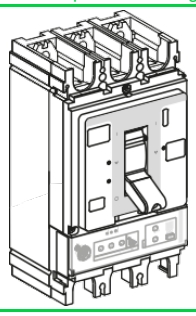
Complete Fixed Device

Electronic trip unit MicroLogic 2.3 (LSOI protection)



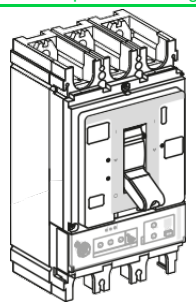
		3P 3d	Price (S$)	4P 3d, 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400L (150 kA at 380/415 V)	400 A	C40L3 + C4032D400 + (2X)LV432490	*2,507.00*	C40L4 + C4042D400 + (2X)LV432491	*4,116.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630L (150 kA at 380/415 V)	630 A	C63L3 + C6332D630 + (2X)LV432492	*3,490.50*	C63L4 + C6342D630 + (2X)LV432493	*5,558.50*

Electronic trip unit MicroLogic Vigi 4.3 (LSoIR protection) ≤440 VAC



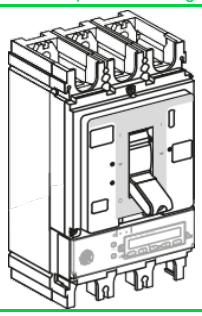
		3P 3d	Price (S$)	4P 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400L (150 kA at 380/415 V)	400 A	C40L3 + C4034V400 + (2X)LV432490	*4,759.00*	C40L4 + C4044V400 + (2X)LV432491	*6,328.50*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630L (150 kA at 380/415 V)	570 A	C63L3 + C6334V570 + (2X)LV432492	*5,982.50*	C63L4 + C6344V570 + (2X)LV432493	*7,432.00*

Electronic trip unit MicroLogic Vigi 4.3 (LSoIR protection + Earth Leakage Alarm) ≤440 VAC



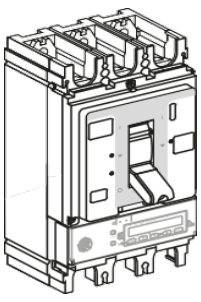
		3P 3d	Price (S$)	4P 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400L (150 kA at 380/415 V)	400 A	C40L3 + C4034A400 + (2X)LV432490	*4,843.00*	C40L4 + C4044A400 + (2X)LV432491	*6,417.50*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630L (150 kA at 380/415 V)	570 A	C63L3 + C6334A570 + (2X)LV432492	*6,073.50*	C63L4 + C6344A570 + (2X)LV432493	*7,527.00*

Electronic trip unit Micrologic 5.3 E (LSI protection, energy meter)



		3P 3d	Price (S$)	4P 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400L (150 kA at 380/415 V)	400 A	C40L3 + C4035E400 + (2X)LV432490	*3,633.50*	C40L4 + C4045E400 + (2X)LV432491	*6,035.50*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630L (150 kA at 380/415 V)	630 A	C63L3 + C6335E630 + (2X)LV432492	*4,646.00*	C63L4 + C6345E630 + (2X)LV432493	*7,034.00*

Electronic trip unit Micrologic 6.3 E (LSIG protection, energy meter)



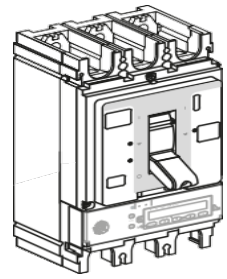
		3P 3d	Price (S$)	4P 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400L (150 kA at 380/415 V)	400 A	C40L3 + C4036E400 + (2X)LV432490	*4,368.50*	C40L4 + C4046E400 + (2X)LV432491	*6,035.50*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630L (150 kA at 380/415 V)	630 A	C63L3 + C6336E630 + (2X)LV432492	*5,808.50*	C63L4 + C6346E630 + (2X)LV432493	*7,281.00*

Complete Fixed Device
ComPacT NSX400/630L (150 kA 380/415 V)

unit price (excl. GST in Singapore Dollars)

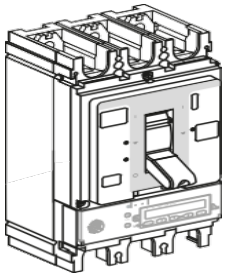
Complete Fixed Device

With electronic trip unit MicroLogic Vigi 7.3 E (LSIR protection) ≤440 VAC



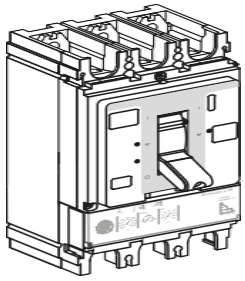
		3P 3d	Price (S$)	4P 3d, 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400L (150 kA at 380/415 V)	400 A	C40L3 + C4037E400 + (2X)LV432490	*5,617.00*	C40L4 + C4047E400 + (2X)LV432491	*7,221.50*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630L (150 kA at 380/415 V)	570 A	C63L3 + C6337E570 + (2X)LV432492	*6,912.50*	C63L4 + C6347E570 + (2X)LV432493	*8,399.00*

With electronic trip unit MicroLogic Vigi 7.3 E AL (LSI protection + earth leakage alarm) ≤440 VAC



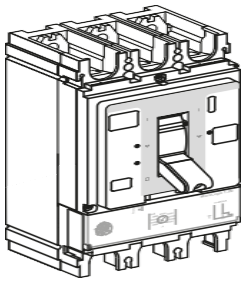
		3P 3d	Price (S$)	4P 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX400L (150 kA at 380/415 V)	400 A	C40L3 + C4037A400 + (2X)LV432490	*5,673.00*	C40L4 + C4047A400 + (2X)LV432491	*7,280.50*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
ComPacT NSX630L (150 kA at 380/415 V)	570 A	C63L3 + C6337A570 + (2X)LV432492	*6,975.00*	C63L4 + C6347A570 + (2X)LV432493	*8,463.50*

Electronic trip unit MicroLogic 1.3 M (I motor protection)



		3P 3d	Price (S$)
ComPacT NSX400L 1.3 M (150 kA at 380/415V)	320 A	C40L3 + C4031M320	*2,637.00*
ComPacT NSX630L 1.3 M (150 kA at 380/415V)	500 A	C63L3 + C6331M500	*3,716.50*

Electronic trip unit MicroLogic 2.3 M (LSOI motor protection)



		3P 3d	Price (S$)
ComPacT NSX400L 2.3 M (150 kA at 380/415V)	320 A	C40L3 + C4032M320	*2,930.50*
ComPacT NSX630L 2.3 M (150 kA at 380/415V)	500 A	C63L3 + C6332M500	*3,904.00*

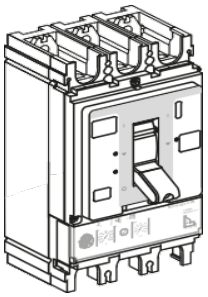
Complete Fixed Device
ComPacT NSX400/630R(200 kA 380/415 V - 45 kA 690 V)

unit price (excl. GST in Singapore Dollars)

B

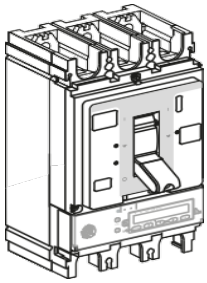
Complete Fixed Device

Electronic trip unit MicroLogic 2.3 (LSOI protection)



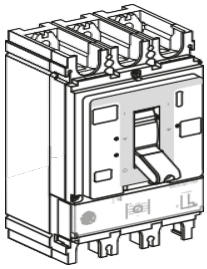
		3P 3d	Price (S$)	4P 3d, 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
NSX400R (200 kA at 380/415 V - 45 kA at 690 V)	400 A	C40R32D400 + (2X)LV432490	*2,782.00*	C40R42D400 + (2X)LV432491	*4,500.50*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
NSX630R (200 kA at 380/415 V - 45 kA at 690 V)	630 A	C63R32D630 + (2X)LV432492	*3,714.00*	C63R42D630 + (2X)LV432493	*5,797.00*

Electronic trip unit MicroLogic 5.3 E (LSI protection, energy meter)



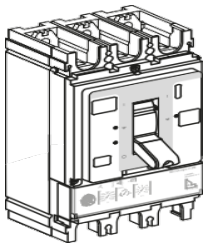
		3P 3d	Price (S$)	4P 3d, 4d, 3d + N/2, 3d + OSN	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
NSX400R (200 kA at 380/415 V - 45 kA at 690 V)	400 A	C40R35E400 + (2X)LV432490	*4,361.50*	C40R45E400 + (2X)LV432491	*5,871.50*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
NSX630R (200 kA at 380/415 V - 45 kA at 690 V)	630 A	C63R35E630 + (2X)LV432492	*5,387.00*	C63R45E630 + (2X)LV432493	*7,124.00*

Electronic trip unit MicroLogic 1.3 M (I motor protection)



		3P 3d	Price (S$)
NSX400R (200 kA at 380/415 V - 45 kA at 690 V)	320 A	C40R31M320	*2,797.00*
NSX630R (200 kA at 380/415 V - 45 kA at 690 V)	500 A	C63R31M500	*3,740.00*

Electronic trip unit MicroLogic 2.3 M (LSOI motor protection)



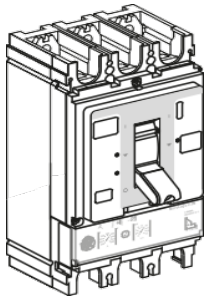
		3P 3d	Price (S$)
NSX400R (200 kA at 380/415 V - 45 kA at 690 V)	320 A	C40R32M320	*2,952.50*
NSX630R (200 kA at 380/415 V - 45 kA at 690 V)	500 A	C63R32M500	*3,899.50*

Complete Fixed Device
ComPacT NSX400/630HB1 (85 kA 500 V - 75 kA 690 V)

unit price (excl. GST in Singapore Dollars)

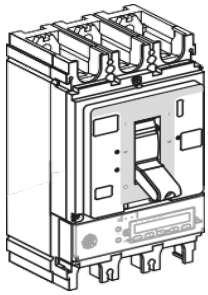
Complete Fixed Device

Electronic trip unit MicroLogic 2.3 (LSOI protection)



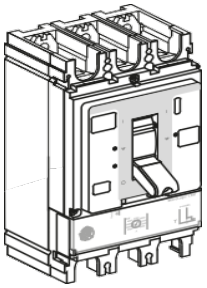
		3P 3d	Price (S$)	4P 3d, 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
NSX400HB1 (85 kA at 500 V - 75 kA at 690 V)	400 A	C40V32D400 + (2X)LV432490	*3,299.00*	C40V42D400 + (2X)LV432491	*4,920.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
NSX630HB1 (85 kA at 500 V - 75 kA at 690 V)	630 A	C63V32D630 + (2X)LV432492	*4,300.00*	C63V42D630 + (2X)LV432493	*6,722.50*

Electronic trip unit MicroLogic 5.3 E (LSI protection, energy meter)



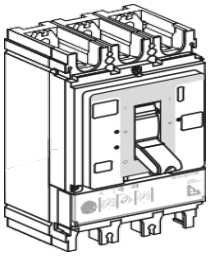
		3P 3d	Price (S$)	4P 3d, 4d, 3d + N/2, 3d + OSN	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
NSX400HB1 (85 kA at 500 V - 75 kA at 690 V)	400 A	C40V35E400 + (2X)LV432490	*4,593.50*	C40V45E400 + (2X)LV432491	*7,128.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
NSX630HB1 (85 kA at 500 V - 75 kA at 690 V)	630 A	C63V35E630 + (2X)LV432492	*5,716.00*	C63V45E630 + (2X)LV432493	*8,930.50*

Electronic trip unit MicroLogic 1.3 M (I motor protection)



		3P 3d	Price (S$)
NSX400HB1 (85 kA at 500 V - 75 kA at 690 V)	320 A	C40V31M320	*3,091.00*
NSX630HB1 (85 kA at 500 V - 75 kA at 690 V)	500 A	C63V31M500	*4,058.50*

Electronic trip unit MicroLogic 2.3 M (LSOI motor protection)



		3P 3d	Price (S$)
NSX400HB1 (85 kA at 500 V - 75 kA at 690 V)	320 A	C40V32M320	*3,327.50*
NSX630HB1 (85 kA at 500 V - 75 kA at 690 V)	500 A	C63V32M500	*4,208.50*

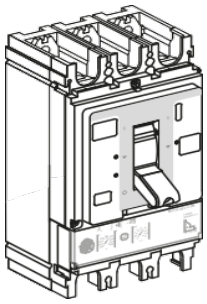
Complete Fixed Device
ComPacT NSX400/630HB2(85 kA 500 V - 100 kA 690 V)

unit price (excl. GST in Singapore Dollars)

B

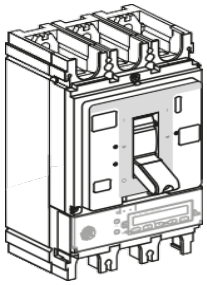
Complete Fixed Device

Electronic trip unit MicroLogic 2.3 (LSOI protection)



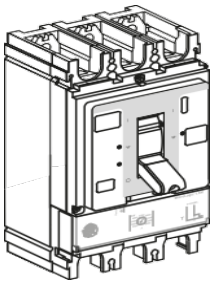
		3P 3d	Price (S$)	4P 3d, 4d, 3d + N/2	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
NSX400HB2 (85 kA at 500 V - 100 kA at 690 V)	400 A	C40W32D400 + (2X)LV432490	*3,839.00*	C40W42D400 + (2X)LV432491	*6,001.00*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
NSX630HB2 (85 kA at 500 V - 100 kA at 690 V)	630 A	C63W32D630 + (2X)LV432492	*4,867.50*	C63W42D630 + (2X)LV432493	*8,200.00*

Electronic trip unit MicroLogic 5.3 E (LSI protection, energy meter)



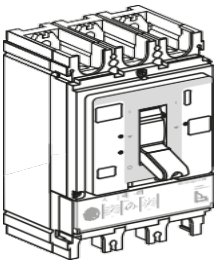
		3P 3d	Price (S$)	4P 3d, 4d, 3d + N/2, 3d + OSN	Price (S$)
Fixed/FC device with 52.5 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
NSX400HB2 (85 kA at 500 V - 100 kA at 690 V)	400 A	C40W35E400 + (2X)LV432490	*5,224.50*	C40W45E400 + (2X)LV432491	*8,006.50*
Fixed/FC device with 70 mm pitch = fixed/FC device with 45 mm pitch + spreaders					
NSX630HB2 (85 kA at 500 V - 100 kA at 690 V)	630 A	C63W35E630 + (2X)LV432492	*6,588.00*	C63W45E630 + (2X)LV432493	*9,742.00*

Electronic trip unit MicroLogic 1.3 M (I motor protection)



		3P 3d	Price (S$)
NSX400HB2 (85 kA at 500 V - 100 kA at 690 V)	320 A	C40W31M320	*3,642.50*
NSX630HB2 (85 kA at 500 V - 100 kA at 690 V)	500 A	C63W31M500	*4,931.00*

Electronic trip unit MicroLogic 2.3 M (LSOI motor protection)



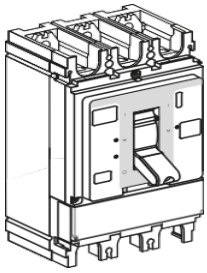
		3P 3d	Price (S$)
NSX400HB2 (85 kA at 500 V - 100 kA at 690 V)	320 A	C40W32M320	*3,739.00*
NSX630HB2 (85 kA at 500 V - 100 kA at 690 V)	500 A	C63W32M500	*5,081.00*

ComPacT NSX400/630NA & ComPacT NSX400K (10 KA - 1000V AC)
Trip Unit Accessories

unit price (excl. GST in Singapore Dollars)

ComPacT NSX400/630NA & ComPacT NSX400K (10 KA - 1000V AC)

With NA switch-disconnector unit with spreaders



	3P	Price (S$)	4P	Price (S$)
ComPacT NSX400 NA	C403400S + (2X)LV432490	*1,281.50*	C404400S + (2X)LV432491	*1,733.00*
ComPacT NSX630 NA	C633630S + (2X)LV432492	*1,916.50*	C634630S + (2X)LV432493	*2,633.00*

Trip unit accessories

External neutral CT for 3 pole breaker with MicroLogic 5/6

		Price (S$)
400-630 A	LV432575	*812.50*

24 V DC wiring accessory for MicroLogic 5/6

		Price (S$)
24 V DC power supply connector	LV434210	*155.00*

ZSI accessory for NS630b-NW with NSX

		Price (S$)
ZSI module	LV434212	*626.50*

External power supply module (24 V DC - 1 A), class 4

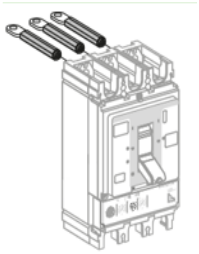
		Price (S$)
24-30 V DC	LV454440	*901.00*
48-60 V DC	LV454441	*901.00*
100-125 V DC	LV454442	*901.00*
110-130 V AC	LV454443	*625.00*
200-240 V AC	LV454444	*505.00*

unit price (excl. GST in Singapore Dollars)

B

Installation and Connection

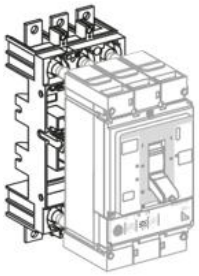
Mixed RC kit



				Price (S$)
Kit 3P	Short RCs	*2 x*	LV432475	*119.50*
	Long RCs	*1 x*	LV432476	*192.50*
Kit 4P	Short RCs	*2 x*	LV432475	*119.50*
	Long RCs	*2 x*	LV432476	*192.50*

Plug-in version = fixed/FC device + plug-in kit

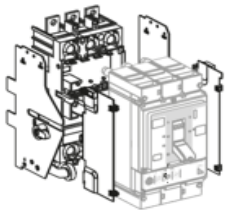
Kit for ComPacT NSX



	3P	Price (S$)	4P	Price (S$)
Plug-in kit	LV432538	*809.00*	LV432539	*961.50*
Comprising:				
Base	= 1 x LV432516		= 1 x LV432517	
Power connections	+ 3 x LV432518		+ 4 x LV432518	
Short terminal shields	+ 2 x LV432591		+ 2 x LV432592	
Safety trip interlock	+ 1 x LV432520		+ 1 x LV432520	

Withdrawable version = fixed/FC device + withdrawable kit

Kit for ComPacT NSX



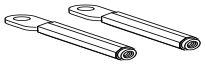
	3P	Price (S$)	4P	Price (S$)
Plug-in kit	Kit for ComPacT NSX	*1,274.00*	Kit for ComPacT NSX	*1,426.50*
	=		=	
	1 x LV432538		1 x LV432539	
	+		+	
Chassis side plates for base	1 x LV432532		1 x LV432532	
	+		+	
Chassis side plates for breaker	1 x LV432533		1 x LV432533	

Accessories and Auxiliaries
ComPacT NSX400/630

unit price (excl. GST in Singapore Dollars)

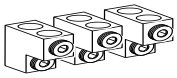
Accessories and Auxiliaries

Rear connections



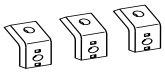
		Price (S$)
2 short	LV432475	119.50
2 long	LV432476	192.50

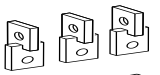
Bare cable connectors (1)

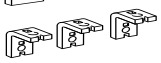


				Price (S$)
Aluminium connectors	1 x (35 to 300 mm²)	Set of 3	LV432479	144.50
		Set of 4	LV432480	193.50
Aluminium connectors for 2 cables	2 x (35 to 300 mm²)	Set of 3	LV432481	302.00
		Set of 4	LV432482	375.00
6.35 mm voltage tap for aluminium connectors for 1 or 2 cables		Set of 10	LV429348	42.50

Terminal extensions (1)

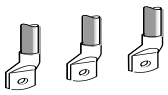






				Price (S$)
45° terminal extensions		Set of 3	LV432586	149.00
		Set of 4	LV432587	198.00
Edgewise terminal extensior		Set of 3	LV432486	267.50
		Set of 4	LV432487	354.00
Right-angle terminal extensi		Set of 3	LV432484	133.00
		Set of 4	LV432485	181.00
Spreaders	52.5 mm	3P	LV432490	74.50
		4P	LV432491	104.50
	70 mm	3P	LV432492	112.00
		4P	LV432493	149.00

Crimp lugs for copper cable (1)



			Price (S$)
For cable 240 mm²	Set of 3	LV432500	165.00
	Set of 4	LV432501	218.00
For cable 300 mm²	Set of 3	LV432502	231.50
	Set of 4	LV432503	252.00

Supplied with 2 or 3 interphase barriers

Crimp lugs for aluminium cable (1)

			Price (S$)
For cable 240 mm²	Set of 3	LV432504	377.00
	Set of 4	LV432505	406.50
For cable 300 mm²	Set of 3	LV432506	643.00
	Set of 4	LV432507	700.50

(1) Supplied with 2 or 3 interphase barriers.

unit price (excl. GST in Singapore Dollars)

B

Accessories and Auxiliaries

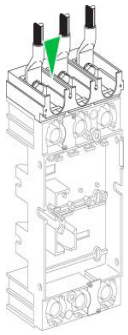
			Price (S$)
Short terminal shield, 45 mm (1 piece)	3P	LV432591	*23.50*
	4P	LV432592	*34.00*

Short terminal shield > 500 V (1 piece)	3P	LV433693	*83.00*
	4P	LV433694	*94.50*

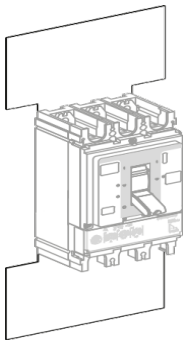
Long terminal shield, 45 mm (1 piece)	3P	LV432593	*48.50*
	4P	LV432594	*62.00*

Long terminal shield for spreaders, 52.5 mm (1 piece) (supplied with insulating plate)	3P	LV432595	*83.00*
	4P	LV432596	*101.00*

Interphase barriers	Set of 6	LV432570	*38.00*



Connection adapter for plug-in base	3P	LV432584	*45.50*
	4P	LV432585	*56.50*



2 insulating screens (70 mm pitch)	3P	LV432578	*50.50*
	4P	LV432579	*75.00*

ComPacT NSX400/630
Accessories and Auxiliaries

unit price (excl. GST in Singapore Dollars)

Accessories and Auxiliaries

Auxiliary contacts (wired, screwless)

		Price (S$)
OF or SD or SDE or SDV screwless type	29450	*51.50*
OF or SD or SDE or SDV low level screw type	29452	*72.50*
SDE adapter, mandatory for trip unit TM, MA or MicroLogic 2	LV429451	*23.50*

Auxiliary contacts (wireless)

		Price (S$)
OF or SD or SDE or SDE wireless	LV429454	*452.50*

SDx output module for MicroLogic

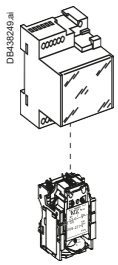
		Price (S$)
SDx module 24/415 V AC/DC	LV429532	*358.50*

SDTAM contactor tripping module (early-break thermal fault signal) for MicroLogic 2.2 M/6.2 E-M

		Price (S$)
SDTAM 24/415 V AC/DC overload fault indication	LV429424	*267.50*

Voltage releases

	Voltage	MX (shunt)	Price (S$)	MN (undervoltage)	Price (S$)
AC	24 V 50/60 Hz	LV429384	*135.00*	LV429404	*183.50*
	48 V 50/60 Hz	LV429385	*135.00*	LV429405	*183.50*
	110-130 V 50/60 Hz	LV429386	*135.00*	LV429406	*183.50*
	220-240 V 50/60 Hz and 208-277 V 60 Hz	LV429387	*135.00*	LV429407	*183.50*
	380-415 V 50 Hz and 440-480 V 60 Hz	LV429388	*135.00*	LV429408	*183.50*
	525 V 50 Hz and 600 V 60 Hz	LV429389	*135.00*	LV429409	*314.00*
DC	12 V	LV429382	*135.00*	LV429402	*183.50*
	24 V	LV429390	*135.00*	LV429410	*183.50*
	30 V	LV429391	*135.00*	LV429411	*314.00*
	48 V	LV429392	*135.00*	LV429412	*183.50*
	60 V	LV429383	*172.50*	LV429403	*241.50*
	125 V	LV429393	*135.00*	LV429413	*183.50*
	250 V	LV429394	*135.00*	LV429414	*183.50*



			Price (S$)
MN 48 V 50/60 Hz with fixed time delay			
Composed of:	MN 48 V DC	LV429412	*183.50*
	Delay unit 48 V 50/60 Hz	LV429426	*401.50*
MN 220-240 V 50/60 Hz with fixed time delay			
Composed of:	MN 250 V DC	LV429414	*183.50*
	Delay unit 220-240 V 50/60 Hz	LV429427	*285.50*
MN 48 V DC/AC 50/60 Hz with adjustable time delay			
Composed of:	MN 48 V DC	LV429412	*183.50*
	Delay unit 48 V DC/AC 50/60 Hz	33680	*385.50*
MN 110-130 V DC/AC 50/60 Hz with adjustable time delay			
Composed of:	MN 125 V DC	LV429413	*183.50*
	Delay unit 100-130 V DC/AC 50/60 Hz	33681	*385.50*
MN 220-250 V DC/AC 50/60 Hz with adjustable time delay			
Composed of:	MN 250 V DC	LV429414	*183.50*
	Delay unit 200-250 V DC/AC 50/60 Hz	33682	*385.50*

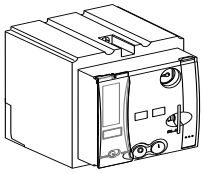
ComPacT NSX400/630
Accessories and Auxiliaries

unit price (excl. GST in Singapore Dollars)

B

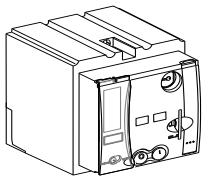
Accessories and Auxiliaries

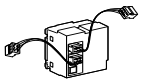
Motor mechanism module



	Voltage	MT400-630	Price (S$)
AC	48-60 V 50/60 Hz	LV432639	*1,556.00*
	110-130 V 50/60 Hz	LV432640	*1,556.00*
	220-240 V 50/60 Hz and 208-277 V 60 Hz	LV432641	*1,556.00*
	380-415 V 50 Hz	LV432642	*1,556.00*
	440-480 V 60 Hz	LV432647	*1,701.00*
DC	24-30 V	LV432643	*1,701.00*
	48-60 V	LV432644	*1,701.00*
	110-130 V	LV432645	*1,701.00*
	250 V	LV432646	*1,701.00*
Operation counter		LV432648	*397.00*

Communicating motor mechanism module





			Price (S$)
Motor mechanism module	MTc 400/630	220-240 V 50/60 Hz	LV432652	*2,522.50*
+				
Breaker status Communication Module	BSCM+		LV434220	*440.00*
+				
NSX cord	Modbus SL cord L = 0.35 m		LV434221	*130.00*
	Modbus SL cord L = 1.3 m		LV434222	*150.00*
	Modbus SL cord L = 3 m		LV434223	*170.00*
	U > 480 V AC wire length L = 0.35 m		LV434204	*866.50*

Indication and measurement modules

PowerTag NSX

Rating (A)	630	Price (S$)
3P	LV434022	*2,572.00*
3P+N	LV434023	*2,931.00*

+ VigiPact Add-on protection and alarm modules

VigiPacT Add-on protection

	3P	Price (S$)	4P	Price (S$)
200 to 440 V	LV432464	*1,474.00*	LV432465	*1,727.50*
440 to 550 V	LV432466	*1,474.00*	LV432467	*1,727.50*
Connection for a 4P Vigi on a 3P breaker			LV432457	*343.00*

VigiPacT Add-on Alarm

	3P	Price (S$)	4P	Price (S$)
200 to 440 V AC	LV432469	*1,426.00*	LV432470	*1,505.50*
Connection for a 4P insulation monitoring module on a 3P breaker			LV432457	*343.00*

ComPacT NSX400/630
Accessories and Auxiliaries

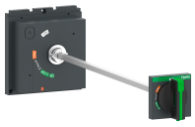
unit price (excl. GST in Singapore Dollars)

Accessories and Auxiliaries

Direct rotary handle

		Price (S$)
With black handle	LV432597T	*140.50*
With red handle on yellow front	LV432599T	*163.50*
MCC conversion accessory	LV432606T	*130.50*
CNOMO conversion accessory	LV432602T	*202.00*

Extended rotary handle



		Price (S$)
With black handle	LV432598T	*216.50*
With red handle on yellow front	LV432600T	*232.00*
With telescopic handle for withdrawable device	LV432603T	*364.50*

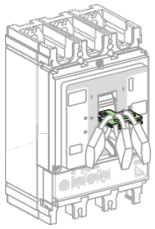
Open door shaft operator	LV426937	*61.00*

Accessories for direct or extended rotary handle

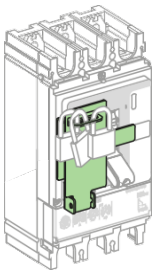
			Price (S$)
Indication auxiliary	1 early-break contact	LV432605	*285.50*
	2 early-make contacts	LV429346	*153.00*

Locks

Toggle locking device for 1 to 3 padlocks

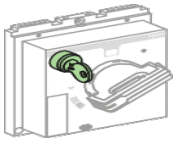


		Price (S$)
By removable device	29370	*22.00*



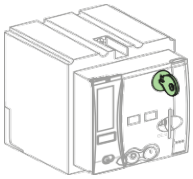
By fixed device for 3P, 4P (open or close position)	LV432631	*70.00*

Locking of rotary handle



			Price (S$)
Keylock adapter (keylock not included)		LV432604	*48.50*
Keylock (keylock adapter not included)	Ronis 1351B.500	41940	*109.50*
	Profalux KS5 B24 D4Z	42888	*199.00*

Locking of motor mechanism module



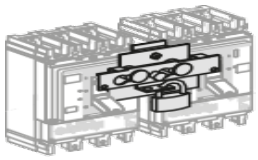
			Price (S$)
Keylock adapter (keylock not included)		LV432649	*52.50*
Keylock (keylock adapter not included)	Ronis 1351B.500	41940	*109.50*
	Profalux KS5 B24 D4Z	42888	*199.00*

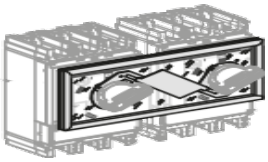
unit price (excl. GST in Singapore Dollars)

B

Accessories and Auxiliaries

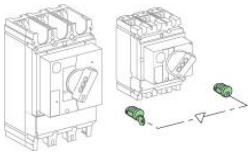
Mechanical interlocking for circuit breakers





		Price (S$)
With toggles	LV432614T	*424.00*
With rotary handles	LV432621T	*419.50*

Interlocking with key (2 keylocks / 1 key) for rotary handles



			Price (S$)
Keylock kit (keylock not included) (1)		LV432604	*48.50*
1 set of 2 keylocks	Ronis 1351B.500	41950	*224.50*
(1 key only, keylock kit not included)	Profalux KS5 B24 D4Z	42878	*587.50*

Installation accessories

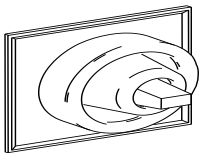
Front-panel escutcheons

IP30

IP40

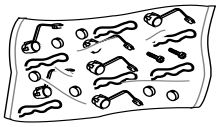
		Price (S$)
IP30 escutcheon for all control types	LV432557	*40.00*
IP30 trip unit access escutcheon for toggle	LV432559	*43.50*
IP30 escutcheon for VigiPacT add-on	LV429527	*46.50*
IP40 escutcheon for all control types	LV432558	*70.00*
IP40 escutcheon for VigiPacT add-on	LV429316	*28.50*
IP40 escutcheon for VigiPacT add-on	LV429318	*109.50*

IP43 rubber toggle cover



		Price (S$)
1 toggle cover	LV432560(2)	*159.00*

Lead-sealing accessories



		Price (S$)
Bag of accessories	LV429375	*40.00*

(1) For only 1 device.

(2) Need to order LV432553, toggle extension to be compatible for IP43 rubber cover.

ComPacT NSX400/630
Accessories and Auxiliaries

unit price (excl. GST in Singapore Dollars)

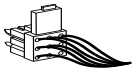
Accessories and Auxiliaries

Insulation accessories

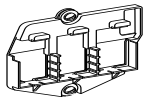
			Price (S$)
Connection adapter for plug-in base	3P	LV432584	*45.50*
	4P	LV432585	*56.50*

Auxiliary connections

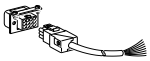
		Price (S$)
1 9-wire fixed connector (for base)	LV429273	*64.50*



1 9-wire moving connector (for circuit breaker)	LV432523	*53.00*

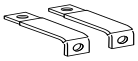


1 support for 3 moving connectors	LV432525	*26.50*



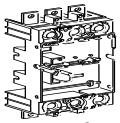
9-wire manual auxiliary connector (fixed + moving)	LV429272	*144.50*

Plug-in base accessories

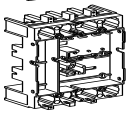


			Price (S$)
Long insulated right angle terminal extensions	Set of 2	LV432526	*204.00*

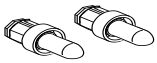
2 IP40 shutters for base	LV432521	*56.50*



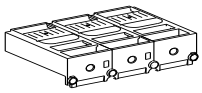
Base	3P	LV432516	*532.00*



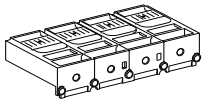
Base	4P	LV432517	*597.50*



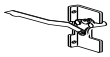
Power connections	3/4P	LV432518	*68.00*



Short terminal shields	3P	LV432591	*23.50*
Short terminal shield > 500 V (1 piece)	3P	LV433683	*174.00*

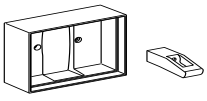


Short terminal shields	4P	LV432592	*34.00*
Short terminal shield > 500 V (1 piece)	4P	LV433684	*POA*

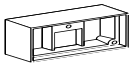


Safety trip interlock	3/4P	LV432520	*28.00*

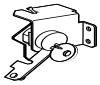
Chassis accessories



			Price (S$)
Escutcheon collar	Toggle	LV432534[1]	*76.00*



Escutcheon collar	VigiPacT add-on	LV429285	*74.00*



Locking kit (keylock not included)		LV429286	*127.50*
Keylock (keylock adapter not included)	Ronis 1351B.500	41940	*109.50*
	Profalux KS5 B24 D4Z	42888	*199.00*

2 carriage switches (connected/disconnected position indication)	LV429287	*104.50*

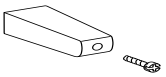
[1] Need to order LV434436, NSX front cover to be compatible for escutcheon collar for toggle.

ComPacT NSX400/630
Accessories and Auxiliaries

unit price (excl. GST in Singapore Dollars)

B

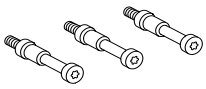
Accessories and Auxiliaries



			Price (S$)
5 spare toggle extensions		LV432553	*77.00*

Bag of screws		LV432552	*22.00*

ComPacT NS retrofit escutcheon	Small cut-out	LV432571	*40.00*

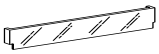


Torque limiting screws (set of 12)	3P/4P ComPacT NSX400-630	LV432513	*56.50*

1 set of 10 identification labels		LV429226	*23.50*

1 base for extended rotary handle		LV432498	*557.00*

LCD display for electronic trip unit	MicroLogic 5	LV429483	*417.30*
	MicroLogic 6	LV429484	*403.00*
	MicroLogic E-M	LV429486	*403.00*



5 transparent covers for electronic trip unit	MicroLogic 5/6	LV432459	*60.00*
	MicroLogic 2	LV432461	*91.00*

[1] Need to order LV432553, NSX front cover to be compatible for escutcheon collar for toggle.

Communication option

			Price (S$)
IFE	Ethernet interface for LV breaker	LV434001	*901.50*
	Ethernet interface for LV breakers and gateway	LV434002	*1,366.00*

IFM Modbus-SL interface module	LV434000	*424.50*
Modbus SL HUB	LV434224	*462.00*

I/O application module	LV434063	*895.00*

ComPacT NSX400/630
Accessories and Auxiliaries

unit price (excl. GST in Singapore Dollars)

Accessories and Auxiliaries

Circuit breaker accessories

			Price (S$)
Breaker Status Control Module	BSCM+ [1]	LV434220	440.00

ULP display module [2]

		Price (S$)
Switchboard front display module FDM121	TRV00121	584.00
FDM mounting accessory (diameter 22 mm)	TRV00128	31.50

Ethernet display module

		Price (S$)
Switchboard front display module FDM128	LV434128	1,673.50

ULP wiring accessories

			Price (S$)
	Modbus SL cord L = 0.35 m	LV434221	130.00
	Modbus SL cord L = 1.3 m	LV434222	150.00
	Modbus SL cord L = 3 m	LV434223	170.00
	NSX cord L = 0.35 m	LV434200	152.00
	NSX cord L = 1.3 m	LV434201	176.50
	NSX cord L = 3 m	LV434202	183.50
	NSX cord for U > 480 V AC L = 1.3 m	LV434204	866.50
	10 stacking connectors for communication interface modules	TRV00217	382.50
	2 Modbus line terminators	VW3A8306DRC [3]	29.15
	Connector Modbus adaptor LV434211	LV434211	201.00
	5 RJ45 connectors female/female	TRV00870	126.00
	10 ULP line terminators	TRV00880	56.50
	10 RJ45/RJ45 male cord L = 0.3 m	TRV00803	103.00
	10 RJ45/RJ45 male cord L = 0.6 m	TRV00806	143.50
	5 RJ45/RJ45 male cord L = 1 m	TRV00810	94.00
	5 RJ45/RJ45 male cord L = 2 m	TRV00820	155.00
	5 RJ45/RJ45 male cord L = 3 m	TRV00830	199.00
	1 RJ45/RJ45 male cord L = 5 m	TRV00850	61.00

[1] SDE adapter mandatory for trip unit TM, MA or MicroLogic 2 (LV429451).

[2] For measurement display with MicroLogic E or status display with BSCM.

[3] www.schneider-electric.com..

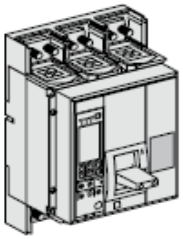
NS630b to NS1600
Fixed version, manually operated

unit price (excl. GST in Singapore Dollars)

B

Front-connected circuit breaker with Micrologic 2.0 control unit

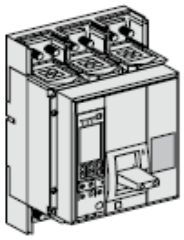
Complete device included:
Basic manually operated circuit breaker with front connectors and micrologic control unit.



ComPact NS type N (Icu = 50kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	C063N320FM	*3,195.00*	C063N420FM	*4,104.00*
NS800	C080N320FM	*3,494.50*	C080N420FM	*4,423.00*
NS1000	C100N320FM	*3,889.00*	C100N420FM	*5,221.00*
NS1250	C125N320FM	*4,955.50*	C125N420FM	*7,206.00*
NS1600	C160N320FM	*7,844.00*	C160N420FM	*11,603.50*
ComPact NS type H (Icu = 70kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	C063H320FM	*3,513.00*	C063H420FM	*7,566.50*
NS800	C080H320FM	*3,973.50*	C080H420FM	*6,178.00*
NS1000	C100H320FM	*5,250.50*	C100H420FM	*8,093.00*
NS1250	C125H320FM	*7,099.00*	C125H420FM	*11,355.50*
NS1600	C160H320FM	*11,834.50*	C160H420FM	*18,154.50*
ComPact NS type L (Icu = 150kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	C063L320FM	*6,938.00*	C063L420FM	*14,841.00*
NS800	C080L320FM	*8,375.50*	C080L420FM	*15,123.50*
NS1000	C100L320FM	*11,407.00*	C100L420FM	*16,941.50*

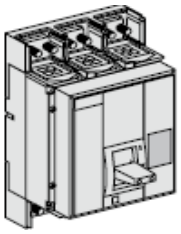
Front-connected circuit breaker with Micrologic 5.0 control unit

Complete device included:
Basic manually operated circuit breaker with front connectors and micrologic control unit.



ComPact NS type N (Icu = 50kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	C063N350FM	*3,852.00*	C063N450FM	*4,761.00*
NS800	C080N350FM	*4,151.50*	C080N450FM	*5,080.00*
NS1000	C100N350FM	*4,546.00*	C100N450FM	*5,878.00*
NS1250	C125N350FM	*5,612.50*	C125N450FM	*7,863.00*
NS1600	C160N350FM	*8,501.00*	C160N450FM	*12,260.50*
ComPact NS type H (Icu = 70kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	C063H350FM	*4,170.00*	C063H450FM	*8,223.50*
NS800	C080H350FM	*4,630.50*	C080H450FM	*6,835.00*
NS1000	C100H350FM	*5,907.50*	C100H450FM	*8,750.00*
NS1250	C125H350FM	*7,756.00*	C125H450FM	*12,012.50*
NS1600	C160H350FM	*12,491.50*	C160H450FM	*18,811.50*
ComPact NS type L (Icu = 150kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS800	C080L350FM	*9,032.50*	C080L450FM	*15,780.50*
NS1000	C100L350FM	*12,064.00*	C100L450FM	*17,598.50*

Front-connected switch-disconnector



ComPact NS type NA				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	C063S3NAFM	*3,334.50*	C063S4NAFM	*4,202.50*
NS800	C080S3NAFM	*3,643.50*	C080S4NAFM	*4,549.00*
NS1000	C100S3NAFM	*3,951.50*	C100S4NAFM	*5,322.00*
NS1250	C125S3NAFM	*4,988.50*	C125S4NAFM	*7,268.50*
NS1600	C160S3NAFM	*7,886.00*	C160S4NAFM	*11,544.00*

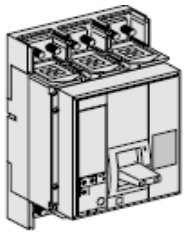
Note: connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately from page B65 to B69

NS630b to NS1600
Fixed version, manually operated

unit price (excl. GST in Singapore Dollars)

Front-connected circuit breaker with Micrologic 2.0A control unit

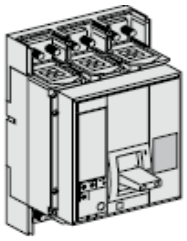
Complete device included:
Basic manually operated circuit breaker with front connectors and micrologic control unit.



ComPact NS type N (Icu = 50kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	C063N32AFM	*3,710.00*	C063N42AFM	*4,619.00*
NS800	C080N32AFM	*4,009.50*	C080N42AFM	*4,938.00*
NS1000	C100N32AFM	*4,404.00*	C100N42AFM	*5,736.00*
NS1250	C125N32AFM	*5,470.50*	C125N42AFM	*7,721.00*
NS1600	C160N32AFM	*8,359.00*	C160N42AFM	*12,118.50*
ComPact NS type H (Icu = 70kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS800	C080H32AFM	*4,488.50*	C080H42AFM	*6,693.00*
NS1000	C100H32AFM	*5,765.50*	C100H42AFM	*8,608.00*
NS1250	C125H32AFM	*7,614.00*	C125H42AFM	*11,870.50*
NS1600	C160H32AFM	*12,349.50*	C160H42AFM	*18,669.50*

Front-connected circuit breaker with Micrologic 5.0 A control unit

Complete device included:
Basic manually operated circuit breaker with front connectors and micrologic control unit.



ComPact NS type N (Icu = 50kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	C063N35AFM	*4,401.50*	C063N45AFM	*5,310.50*
NS800	C080N35AFM	*4,701.00*	C080N45AFM	*5,629.50*
NS1000	C100N35AFM	*5,095.50*	C100N45AFM	*6,427.50*
NS1250	C125N35AFM	*6,162.00*	C125N45AFM	*8,412.50*
NS1600	C160N35AFM	*9,050.50*	C160N45AFM	*12,810.00*
ComPact NS type H (Icu = 70kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS800	C080H35AFM	*5,180.00*	C080H45AFM	*7,384.50*
NS1000	C100H35AFM	*6,457.00*	C100H45AFM	*9,299.50*
NS1250	C125H35AFM	*8,305.50*	C125H45AFM	*12,562.00*
NS1600	C160H35AFM	*13,041.00*	C160H45AFM	*19,361.00*
ComPact NS type L (Icu = 150kA at 220/415V)				
Rating	**3P**	**Price (S$)**		
NS800	C080L35AFM	*9,582.00*		
NS1000	C100L35AFM	*12,613.50*		

Upgrade options for Micrologic control units

Price adder to circuit breaker fitted with Micrologic 2.0A control unit		Price (S$)
"ammeter" A		
Micrologic 6.0 A	selective + earth-fault protection	*1,327.30*
Micrologic 7.0 A	selective + earth-leakage protection	*1,687.00*
"Energy Meter" E		
Micrologic 2.0 E	Long time + Instantaneous	*1,683.50*
Micrologic 5.0 E	selective protection	*2,406.50*
"power meter" P		
Micrologic 5.0 P	selective protection	*2,498.60*
Micrologic 6.0 P	selective + earth-fault protection	*5,749.10*
Micrologic 7.0 P	selective + earth-leakage protection	*3,686.80*

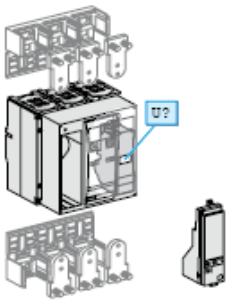
Note: connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately from page B65 to B69

NS630b to NS1600
Fixed version, electrically operated

unit price (excl. GST in Singapore Dollars)

Front-connected circuit breaker with Micrologic 2.0 control unit

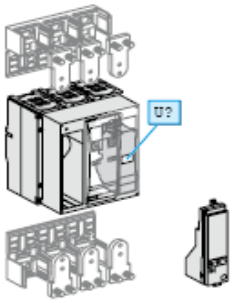
Complete device included:
Basic electrically operated circuit breaker with front connectors, micrologic control unit and motorized mechanism (1).



ComPact NS type N (Icu = 50kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	33460E	*6,508.00*	33463E	*7,766.00*
NS800	33466E	*6,670.50*	33469E	*7,927.50*
NS1000	33472E	*6,832.50*	33475E	*8,252.00*
NS1250	33478E	*7,555.50*	33480E	*9,598.00*
NS1600	33482E	*9,922.50*	33484E	*13,073.00*
ComPact NS type H (Icu = 70kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	33461E	*7,916.00*	33464E	*8,089.50*
NS800	33467E	*6,995.50*	33470E	*9,820.00*
NS1000	33473E	*8,129.50*	33476E	*10,279.00*
NS1250	33479E	*9,501.50*	33481E	*12,815.00*
NS1600	33483E	*12,964.00*	33485E	*21,081.50*
ComPact NS type L (Icu = 150kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	33462E	*12,689.00*	33465E	*11,583.50*
NS800	33468E	*13,078.50*	33471E	*14,075.50*
NS1000	33474E	*15,387.00*	33477E	*21,963.50*

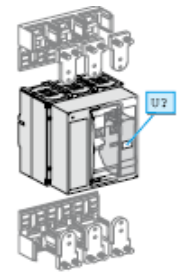
Front-connected circuit breaker with Micrologic 5.0 control unit

Complete device included:
Basic electrically operated circuit breaker with front connectors, micrologic control unit and motorized mechanism (1).



ComPact NS type N (Icu = 50kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	33546E	*7,147.00*	33549E	*8,404.50*
NS800	33552E	*7,309.00*	33555E	*8,566.00*
NS1000	33558E	*7,471.50*	33561E	*8,891.00*
NS1250	33564E	*8,195.00*	33566E	*10,236.50*
NS1600	33568E	*10,561.50*	33570E	*13,709.00*
ComPact NS type H (Icu = 70kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	33547E	*8,554.50*	33550E	*8,729.00*
NS800	33553E	*7,634.00*	33556E	*10,459.00*
NS1000	33559E	*8,768.50*	33562E	*10,917.50*
NS1250	33565E	*10,140.50*	33567E	*13,451.00*
NS1600	33569E	*13,605.50*	33571E	*21,723.00*
ComPact NS type L (Icu = 150kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	33548E	*13,336.50*	33551E	*12,225.00*
NS800	33554E	*13,714.50*	33557E	*14,717.00*
NS1000	33560E	*16,023.00*	33563E	*22,599.50*

Front-connected switch-disconnector



Rating	3P	Price (S$)	4P	Price (S$)
NS630b	33486E	*7,874.00*	33491E	*9,460.00*
NS800	33487E	*6,729.00*	33492E	*7,922.00*
NS1000	33488E	*6,880.00*	33493E	*8,226.50*
NS1250	33489E	*7,594.00*	33494E	*9,532.00*
NS1600	33490E	*9,836.00*	33495E	*13,285.00*

Note: The characteristics of the motor mechanism module for electrical operation are specified separately by selecting a reference number from below table.

(1) The characteristics of the motor mechanism module for electrical operation are specified separately by selecting a reference number from below table.

Motor mechanism module *(Order separately is prohibited)*

AC 50/60 Hz			DC		
	Standard	**Communicating**		**Standard**	**Communicating**
48 V	33691	33698	24-30 V	33690	33697
100-130 V	33687	33694	48-60 V	33691	33698
220-240 V	33688	33695	100-130 V	33692	33699
380-415 V	33689	33696	200-250 V	33693	33700

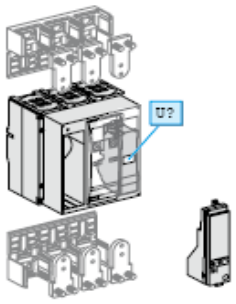
Note: connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately from page B65 to B69

NS630b to NS1600
Fixed version, electrically operated

unit price (excl. GST in Singapore Dollars)

Front-connected circuit breaker with Micrologic 2.0A control unit

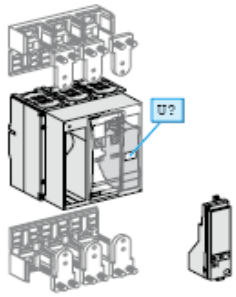
Complete device included:
Basic motorised operated circuit breaker with front connectors, micrologic control unit and motorized mechanism (1).



ComPact NS type N (Icu = 50kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	33223E	*7,009.00*	33227E	*8,266.50*
NS800	33233E	*7,171.00*	33237E	*8,428.00*
NS1000	33243E	*7,333.50*	33247E	*8,753.00*
NS1250	33253E	*8,057.00*	33257E	*10,098.50*
NS1600	33263E	*10,423.50*	33267E	*13,571.00*
ComPact NS type H (Icu = 70kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	33228E	*8,417.00*	33229E	*8,591.00*
NS800	33238E	*7,496.00*	33239E	*10,321.00*
NS1000	33248E	*8,630.50*	33249E	*10,779.50*
NS1250	33258E	*10,002.50*	33259E	*13,313.50*
NS1600	33268E	*13,468.00*	33269E	*21,585.50*
ComPact NS type L (Icu = 150kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	33497E	*13,199.00*	33500E	*12,082.00*
NS800	33498E	*13,577.00*	33501E	*14,579.50*
NS1000	33499E	*15,885.50*	33502E	*22,462.00*

Front-connected circuit breaker with Micrologic 5.0 A control unit

Complete device included:
Basic motorised operated circuit breal with front connectors, micrologic control unit and motorized mechanism (1).



ComPact NS type N (Icu = 50kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	33323E	*7,682.00*	33327E	*8,939.50*
NS800	33333E	*7,844.50*	33337E	*9,101.00*
NS1000	33343E	*8,006.50*	33347E	*9,426.00*
NS1250	33353E	*8,730.00*	33357E	*10,771.50*
NS1600	33363E	*11,096.50*	33367E	*14,247.00*
ComPact NS type H (Icu = 70kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	33328E	*9,090.00*	33329E	*9,264.00*
NS800	33338E	*8,169.00*	33339E	*10,994.00*
NS1000	33348E	*9,303.50*	33349E	*11,453.00*
NS1250	33358E	*10,675.50*	33359E	*13,989.50*
NS1600	33368E	*14,138.50*	33369E	*22,256.00*
ComPact NS type L (Icu = 150kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	33516E	*13,863.50*	33519E	*12,757.50*
NS800	33517E	*14,253.00*	33520E	*15,249.50*
NS1000	33518E	*16,561.50*	33521E	*23,138.00*

Upgrade options for Micrologic control units

Price adder to circuit breaker fitted with Micrologic 2.0A control unit		Price (S$)
"ammeter" A		
Micrologic 6.0 A	selective + earth-fault protection	*1,547.50*
Micrologic 7.0 A	selective + earth-leakage protection	*1,687.00*
"Energy Meter" E		
Micrologic 2.0 E	Long time + Instantaneous	*1,205.50*
Micrologic 5.0 E	selective protection	*1,890.00*
"power meter" P		
Micrologic 5.0 P	selective protection	*2,843.00*
Micrologic 6.0 P	selective + earth-fault protection	*5,909.50*
Micrologic 7.0 P	selective + earth-leakage protection	*3,964.00*

(1) The characteristics of the motor mechanism module for electrical operation are specified separately by selecting a reference number from below table.

Motor mechanism module

AC 50/60 Hz			**DC**		
	Standard	**Communicating**		**Standard**	**Communicating**
48 V	33691	33698	24-30 V	33690	33697
100-130 V	33687	33694	48-60 V	33691	33698
220-240 V	33688	33695	100-130 V	33692	33699
380-415 V	33689	33696	200-250 V	33693	33700

Note: connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately from page B65 to B69

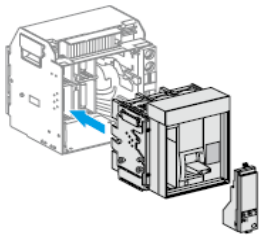
NS630b to NS1600
Withdrawable version, manually operated

unit price (excl. GST in Singapore Dollars)

B

Rear-connected circuit breaker with Micrologic 2.0 control unit

Complete device included:
Basic withdrawable manually operated circuit breaker with rear horizontal connectors and micrologic control unit Safety shutter is included



ComPact NS type N (Icu = 50kA at 220/415V)

Rating	Description	3P	Price (S$)	4P	Price (S$)
NS630b	TOTAL		*5,846.50*		*7,714.50*
	Basic Frame	C063N3WM	*3,081.50*	C063N4WM	*4,165.50*
	Micrologic	C20WM	*576.00*	C20WM	*576.00*
	Chassis w/o connections	33722	*1,631.00*	33725	*2,274.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*
NS800	TOTAL		*5,901.00*		*7,734.00*
	Basic Frame	C080N3WM	*3,136.00*	C080N4WM	*4,185.00*
	Micrologic	C20WM	*576.00*	C20WM	*576.00*
	Chassis w/o connections	33722	*1,631.00*	33725	*2,274.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*
NS1000	TOTAL		*6,205.00*		*6,205.00*
	Basic Frame	C100N3WM	*3,440.00*	C100N3WM	*3,440.00*
	Micrologic	C20WM	*576.00*	C20WM	*576.00*
	Chassis w/o connections	33722	*1,631.00*	33722	*1,631.00*
	Top Horizontal Rear connection	33731	*226.00*	33731	*226.00*
	Bottom Horizontal Rear connection	33732	*226.00*	33732	*226.00*
	Front Cover	C33152	*106.00*	C33152	*106.00*
NS1250	TOTAL		*6,507.50*		*8,341.50*
	Basic Frame	C125N3WM	*3,742.50*	C125N4WM	*4,792.50*
	Micrologic	C20WM	*576.00*	C20WM	*576.00*
	Chassis w/o connections	33722	*1,631.00*	33725	*2,274.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*
NS1600	TOTAL		*8,700.50*		*11,831.50*
	Basic Frame	C160N3WM	*5,250.00*	C160N4WM	*7,982.50*
	Micrologic	C20WM	*576.00*	C20WM	*576.00*
	Chassis w/o connections	33723	*2,316.50*	33726	*2,574.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*

ComPact NS type H (Icu = 70kA at 220/415V)

Rating	Description	3P	Price (S$)	4P	Price (S$)
NS630b	TOTAL		*7,109.00*		*8,979.50*
	Basic Frame	C063H3WM	*4,344.00*	C063H4WM	*5,430.50*
	Micrologic	C20WM	*576.00*	C20WM	*576.00*
	Chassis w/o connections	33722	*1,631.00*	33725	*2,274.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*
NS800	TOTAL		*6,356.50*		*8,189.00*
	Basic Frame	C080H3WM	*3,591.50*	C080H4WM	*4,640.00*
	Micrologic	C20WM	*576.00*	C20WM	*576.00*
	Chassis w/o connections	33722	*1,631.00*	33725	*2,274.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*

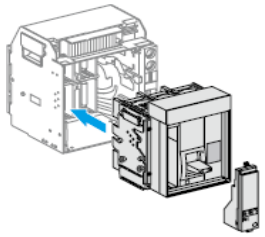
Note: connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately from page B65 to B69

NS630b to NS1600
Withdrawable version, manually operated

unit price (excl. GST in Singapore Dollars)

Rear-connected circuit breaker with Micrologic 2.0 control unit

Complete device included:
Basic withdrawable manually operated circuit breaker with rear horizontal connectors and micrologic control unit Safety shutter is included



ComPact NS type H (Icu = 70kA at 220/415V)

Rating	Description	3P	Price (S$)	4P	Price (S$)
NS1000	TOTAL		*6,660.50*		*10,496.50*
	Basic Frame	C100H3WM	*3,895.50*	C100H4WM	*6,947.50*
	Micrologic	C20WM	*576.00*	C20WM	*576.00*
	Chassis w/o connections	33722	*1,631.00*	33725	*2,274.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*
NS1250	TOTAL		*6,963.50*		*8,797.00*
	Basic Frame	C125H3WM	*4,198.50*	C125H4WM	*5,248.00*
	Micrologic	C20WM	*576.00*	C20WM	*576.00*
	Chassis w/o connections	33722	*1,631.00*	33725	*2,274.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*
NS1600	TOTAL		*12,353.00*		*15,475.00*
	Basic Frame	C160H3WM	*8,902.50*	C160H4WM	*11,626.00*
	Micrologic	C20WM	*576.00*	C20WM	*576.00*
	Chassis w/o connections	33723	*2,316.50*	33726	*2,574.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*

ComPact NS type L (Icu = 150kA at 220/415V)

Rating	Description	3P	Price (S$)	4P	Price (S$)
NS630b	TOTAL		*9,251.00*		*13,565.50*
	Basic Frame	C063L3WM	*5,800.50*	C063L4WM	*9,716.50*
	Micrologic	C20WM	*576.00*	C20WM	*576.00*
	Chassis w/o connections	33723	*2,316.50*	33726	*2,574.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*
NS800	TOTAL		*9,705.00*		*13,439.50*
	Basic Frame	C080L3WM	*6,254.50*	C080L4WM	*9,590.50*
	Micrologic	C20WM	*576.00*	C20WM	*576.00*
	Chassis w/o connections	33723	*2,316.50*	33726	*2,574.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*
NS1000	TOTAL		*12,196.50*		*20,325.50*
	Basic Frame	C100L3WM	*8,746.00*	C100L4WM	*16,476.50*
	Micrologic	C20WM	*576.00*	C20WM	*576.00*
	Chassis w/o connections	33723	*2,316.50*	33726	*2,574.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*

Note: connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately from page B65 to B69

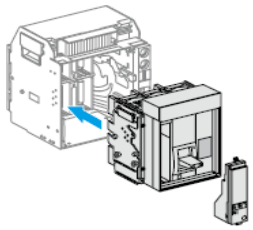
NS630b to NS1600
Withdrawable version, manually operated

unit price (excl. GST in Singapore Dollars)

B

Rear-connected circuit breaker with Micrologic 5.0 control unit

Complete device included:
Basic withdrawable manually operated circuit breaker with rear horizontal connectors and micrologic control unit Safety shutter is included



ComPact NS type N (Icu = 50kA at 220/415V)

Rating	Description	3P	Price (S$)	4P	Price (S$)
NS630b	TOTAL		*6,485.50*		*8,353.50*
	Basic Frame	C063N3WM	*3,081.50*	C063N4WM	*4,165.50*
	Micrologic	C50WM	*1,215.00*	C50WM	*1,215.00*
	Chassis w/o connections	33722	*1,631.00*	33725	*2,274.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*
NS800	TOTAL		*6,540.00*		*8,373.00*
	Basic Frame	C080N3WM	*3,136.00*	C080N4WM	*4,185.00*
	Micrologic	C50WM	*1,215.00*	C50WM	*1,215.00*
	Chassis w/o connections	33722	*1,631.00*	33725	*2,274.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*
NS1000	TOTAL		*6,844.00*		*8,676.50*
	Basic Frame	C100N3WM	*3,440.00*	C100N4WM	*4,488.50*
	Micrologic	C50WM	*1,215.00*	C50WM	*1,215.00*
	Chassis w/o connections	33722	*1,631.00*	33725	*2,274.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*
NS1250	TOTAL		*7,146.50*		*8,980.50*
	Basic Frame	C125N3WM	*3,742.50*	C125N4WM	*4,792.50*
	Micrologic	C50WM	*1,215.00*	C50WM	*1,215.00*
	Chassis w/o connections	33722	*1,631.00*	33725	*2,274.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*
NS1600	TOTAL		*9,339.50*		*12,470.50*
	Basic Frame	C160N3WM	*5,250.00*	C160N4WM	*7,982.50*
	Micrologic	C50WM	*1,215.00*	C50WM	*1,215.00*
	Chassis w/o connections	33723	*2,316.50*	33726	*2,574.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*

ComPact NS type H (Icu = 70kA at 220/415V)

Rating	Description	3P	Price (S$)	4P	Price (S$)
NS630b	TOTAL		*7,748.00*		*9,618.50*
	Basic Frame	C063H3WM	*4,344.00*	C063H4WM	*5,430.50*
	Micrologic	C50WM	*1,215.00*	C50WM	*1,215.00*
	Chassis w/o connections	33722	*1,631.00*	33725	*2,274.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*
NS800	TOTAL		*6,995.50*		*8,828.00*
	Basic Frame	C080H3WM	*3,591.50*	C080H4WM	*4,640.00*
	Micrologic	C50WM	*1,215.00*	C50WM	*1,215.00*
	Chassis w/o connections	33722	*1,631.00*	33725	*2,274.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*

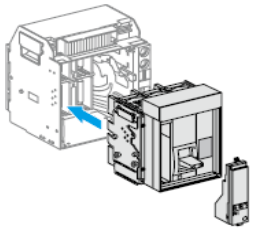
Note: connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately from page B65 to B69

NS630b to NS1600
Withdrawable version, manually operated

unit price (excl. GST in Singapore Dollars)

Rear-connected circuit breaker with Micrologic 5.0 control unit

Complete device included:
Basic withdrawable manually operated circuit breaker with rear horizontal connectors and micrologic control unit Safety shutter is included



ComPact NS type H (Icu = 70kA at 220/415V)

Rating	Description	3P	Price (S$)	4P	Price (S$)
NS1000	TOTAL		*7,299.50*		*11,135.50*
	Basic Frame	C100H3WM	*3,895.50*	C100H4WM	*6,947.50*
	Micrologic	C50WM	*1,215.00*	C50WM	*1,215.00*
	Chassis w/o connections	33722	*1,631.00*	33725	*2,274.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*
NS1250	TOTAL		*7,602.50*		*9,436.00*
	Basic Frame	C125H3WM	*4,198.50*	C125H4WM	*5,248.00*
	Micrologic	C50WM	*1,215.00*	C50WM	*1,215.00*
	Chassis w/o connections	33722	*1,631.00*	33725	*2,274.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*
NS1600	TOTAL		*12,992.00*		*16,114.00*
	Basic Frame	C160H3WM	*8,902.50*	C160H4WM	*11,626.00*
	Micrologic	C50WM	*1,215.00*	C50WM	*1,215.00*
	Chassis w/o connections	33723	*2,316.50*	33726	*2,574.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*

ComPact NS type L (Icu = 150kA at 220/415V)

Rating	Description	3P	Price (S$)	4P	Price (S$)
NS630b	TOTAL	Total	*9,890.00*	Total	*14,204.50*
	Basic Frame	C063L3WM	*5,800.50*	C063L4WM	*9,716.50*
	Micrologic	C50WM	*1,215.00*	C50WM	*1,215.00*
	Chassis w/o connections	33723	*2,316.50*	33726	*2,574.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*
NS800	TOTAL	Total	*10,344.00*	Total	*14,078.50*
	Basic Frame	C080L3WM	*6,254.50*	C080L4WM	*9,590.50*
	Micrologic	C50WM	*1,215.00*	C50WM	*1,215.00*
	Chassis w/o connections	33723	*2,316.50*	33726	*2,574.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*
NS1000	TOTAL	Total	*12,835.50*	Total	*20,964.50*
	Basic Frame	C100L3WM	*8,746.00*	C100L4WM	*16,476.50*
	Micrologic	C50WM	*1,215.00*	C50WM	*1,215.00*
	Chassis w/o connections	33723	*2,316.50*	33726	*2,574.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*

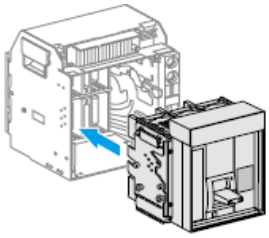
Note: connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately from page B65 to B69

NS630b to NS1600
Withdrawable version, manually operated

unit price (excl. GST in Singapore Dollars)

B

Rear-connected switch-disconnector



Rating	Description	3P	Price (S$)	4P	Price (S$)
NS630b	TOTAL		6,528.50		9,109.50
	Basic Frame	C063S3WM	4,339.50	C063S4WM	6,136.50
	Chassis w/o connections	33722	1,631.00	33725	2,274.00
	Top Horizontal Rear connection	33731	226.00	33737	296.50
	Bottom Horizontal Rear connection	33732	226.00	33738	296.50
	Front Cover	C33152	106.00	C33152	106.00
NS800	TOTAL		7,222.00		8,099.50
	Basic Frame	C080S3WM	5,033.00	C080S4WM	5,126.50
	Chassis w/o connections	33722	1,631.00	33725	2,274.00
	Top Horizontal Rear connection	33731	226.00	33737	296.50
	Bottom Horizontal Rear connection	33732	226.00	33738	296.50
	Front Cover	C33152	106.00	C33152	106.00
NS1000	TOTAL		7,528.00		8,403.50
	Basic Frame	C100S3WM	5,339.00	C100S4WM	5,430.50
	Chassis w/o connections	33722	1,631.00	33725	2,274.00
	Top Horizontal Rear connection	33731	226.00	33737	296.50
	Bottom Horizontal Rear connection	33732	226.00	33738	296.50
	Front Cover	C33152	106.00	C33152	106.00
NS1250	TOTAL		6,873.50		8,707.50
	Basic Frame	C125S3WM	4,684.50	C125S4WM	5,734.50
	Chassis w/o connections	33722	1,631.00	33725	2,274.00
	Top Horizontal Rear connection	33731	226.00	33737	296.50
	Bottom Horizontal Rear connection	33732	226.00	33738	296.50
	Front Cover	C33152	106.00	C33152	106.00
NS1600	TOTAL		9,066.00		12,191.00
	Basic Frame	C160S3WM	6,191.50	C160S4WM	8,918.00
	Chassis w/o connections	33723	2,316.50	33726	2,574.00
	Top Horizontal Rear connection	33731	226.00	33737	296.50
	Bottom Horizontal Rear connection	33732	226.00	33738	296.50
	Front Cover	C33152	106.00	C33152	106.00

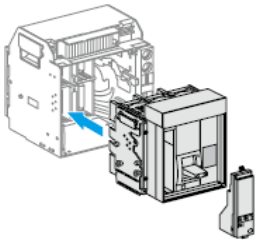
Note: connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately from page B65 to B69

NS630b to NS1600
Withdrawable version, manually operated

unit price (excl. GST in Singapore Dollars)

Rear-connected circuit breaker with Micrologic 2.0 A control unit

Complete device included:
Basic withdrawable manually operated circuit breaker with rear horizontal connectors and micrologic control unit Safety shutter is included



ComPact NS type N (Icu = 50kA at 220/415V)

Rating	Description	3P	Price (S$)	4P	Price (S$)
NS630b	TOTAL		6,893.50		8,761.50
	Basic Frame	C063N3WM	3,081.50	C063N4WM	4,165.50
	Micrologic	C2AWM	1,623.00	C2AWM	1,623.00
	Chassis w/o connections	33722	1,631.00	33725	2,274.00
	Top Horizontal Rear connection	33731	226.00	33737	296.50
	Bottom Horizontal Rear connection	33732	226.00	33738	296.50
	Front Cover	C33152	106.00	C33152	106.00
NS800	TOTAL		6,948.00		8,781.00
	Basic Frame	C080N3WM	3,136.00	C080N4WM	4,185.00
	Micrologic	C2AWM	1,623.00	C2AWM	1,623.00
	Chassis w/o connections	33722	1,631.00	33725	2,274.00
	Top Horizontal Rear connection	33731	226.00	33737	296.50
	Bottom Horizontal Rear connection	33732	226.00	33738	296.50
	Front Cover	C33152	106.00	C33152	106.00
NS1000	TOTAL		7,252.00		9,084.50
	Basic Frame	C100N3WM	3,440.00	C100N4WM	4,488.50
	Micrologic	C2AWM	1,623.00	C2AWM	1,623.00
	Chassis w/o connections	33722	1,631.00	33725	2,274.00
	Top Horizontal Rear connection	33731	226.00	33737	296.50
	Bottom Horizontal Rear connection	33732	226.00	33738	296.50
	Front Cover	C33152	106.00	C33152	106.00
NS1250	TOTAL		7,554.50		9,388.50
	Basic Frame	C125N3WM	3,742.50	C125N4WM	4,792.50
	Micrologic	C2AWM	1,623.00	C2AWM	1,623.00
	Chassis w/o connections	33722	1,631.00	33725	2,274.00
	Top Horizontal Rear connection	33731	226.00	33737	296.50
	Bottom Horizontal Rear connection	33732	226.00	33738	296.50
	Front Cover	C33152	106.00	C33152	106.00
NS1600	TOTAL		9,747.50		12,878.50
	Basic Frame	C160N3WM	5,250.00	C160N4WM	7,982.50
	Micrologic	C2AWM	1,623.00	C2AWM	1,623.00
	Chassis w/o connections	33723	2,316.50	33726	2,574.00
	Top Horizontal Rear connection	33731	226.00	33737	296.50
	Bottom Horizontal Rear connection	33732	226.00	33738	296.50
	Front Cover	C33152	106.00	C33152	106.00

ComPact NS type H (Icu = 70kA at 220/415V)

Rating	Description	3P	Price (S$)	4P	Price (S$)
NS630b	TOTAL		8,156.00		10,026.50
	Basic Frame	C063H3WM	4,344.00	C063H4WM	5,430.50
	Micrologic	C2AWM	1,623.00	C2AWM	1,623.00
	Chassis w/o connections	33722	1,631.00	33725	2,274.00
	Top Horizontal Rear connection	33731	226.00	33737	296.50
	Bottom Horizontal Rear connection	33732	226.00	33738	296.50
	Front Cover	C33152	106.00	C33152	106.00
NS800	TOTAL		7,403.50		9,236.00
	Basic Frame	C080H3WM	3,591.50	C080H4WM	4,640.00
	Micrologic	C2AWM	1,623.00	C2AWM	1,623.00
	Chassis w/o connections	33722	1,631.00	33725	2,274.00
	Top Horizontal Rear connection	33731	226.00	33737	296.50
	Bottom Horizontal Rear connection	33732	226.00	33738	296.50
	Front Cover	C33152	106.00	C33152	106.00

Note: connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately from page B65 to B69

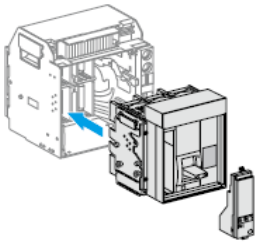
NS630b to NS1600
Withdrawable version, manually operated

unit price (excl. GST in Singapore Dollars)

B

Rear-connected circuit breaker with Micrologic 2.0 A control unit

Complete device included:
Basic withdrawable manually operated circuit breaker with rear horizontal connectors and micrologic control unit Safety shutter is included



ComPact NS type H (Icu = 70kA at 220/415V)

Rating	Description	3P	Price (S$)	4P	Price (S$)
NS1000	TOTAL		*7,707.50*		*11,543.50*
	Basic Frame	C100H3WM	*3,895.50*	C100H4WM	*6,947.50*
	Micrologic	C2AWM	*1,623.00*	C2AWM	*1,623.00*
	Chassis w/o connections	33722	*1,631.00*	33725	*2,274.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*
NS1250	TOTAL		*8,010.50*		*9,844.00*
	Basic Frame	C125H3WM	*4,198.50*	C125H4WM	*5,248.00*
	Micrologic	C2AWM	*1,623.00*	C2AWM	*1,623.00*
	Chassis w/o connections	33722	*1,631.00*	33725	*2,274.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*
NS1600	TOTAL		*13,400.00*		*16,522.00*
	Basic Frame	C160H3WM	*8,902.50*	C160H4WM	*11,626.00*
	Micrologic	C2AWM	*1,623.00*	C2AWM	*1,623.00*
	Chassis w/o connections	33723	*2,316.50*	33726	*2,574.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*

ComPact NS type L (Icu = 150kA at 220/415V)

Rating	Description	3P	Price (S$)	4P	Price (S$)
NS630b	TOTAL	Total	*10,298.00*	Total	*14,612.50*
	Basic Frame	C063L3WM	*5,800.50*	C063L4WM	*9,716.50*
	Micrologic	C2AWM	*1,623.00*	C2AWM	*1,623.00*
	Chassis w/o connections	33723	*2,316.50*	33726	*2,574.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*
NS800	TOTAL	Total	*10,752.00*	Total	*14,486.50*
	Basic Frame	C080L3WM	*6,254.50*	C080L4WM	*9,590.50*
	Micrologic	C2AWM	*1,623.00*	C2AWM	*1,623.00*
	Chassis w/o connections	33723	*2,316.50*	33726	*2,574.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*
NS1000	TOTAL	Total	*13,243.50*	Total	*21,372.50*
	Basic Frame	C100L3WM	*8,746.00*	C100L4WM	*16,476.50*
	Micrologic	C2AWM	*1,623.00*	C2AWM	*1,623.00*
	Chassis w/o connections	33723	*2,316.50*	33726	*2,574.00*
	Top Horizontal Rear connection	33731	*226.00*	33737	*296.50*
	Bottom Horizontal Rear connection	33732	*226.00*	33738	*296.50*
	Front Cover	C33152	*106.00*	C33152	*106.00*

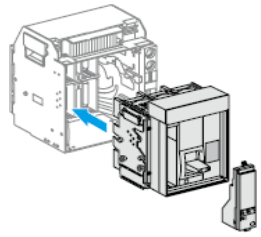
Note: connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately from page B65 to B69

NS630b to NS1600
Withdrawable version, manually operated

unit price (excl. GST in Singapore Dollars)

Rear-connected circuit breaker with Micrologic 5.0 A control unit

Complete device included:
Basic withdrawable manually operated circuit breaker with rear horizontal connectors and micrologic control unit Safety shutter is included



ComPact NS type N (Icu = 50kA at 220/415V)

Rating	Description	3P	Price (S$)	4P	Price (S$)
NS630b	TOTAL	Total	6,887.50	Total	8,755.50
	Basic Frame	C063N3WM	3,081.50	C063N4WM	4,165.50
	Micrologic	C5AWM	1,617.00	C5AWM	1,617.00
	Chassis w/o connections	33722	1,631.00	33725	2,274.00
	Top Horizontal Rear connection	33731	226.00	33737	296.50
	Bottom Horizontal Rear connection	33732	226.00	33738	296.50
	Front Cover	C33152	106.00	C33152	106.00
NS800	TOTAL	Total	6,942.00	Total	8,775.00
	Basic Frame	C080N3WM	3,136.00	C080N4WM	4,185.00
	Micrologic	C5AWM	1,617.00	C5AWM	1,617.00
	Chassis w/o connections	33722	1,631.00	33725	2,274.00
	Top Horizontal Rear connection	33731	226.00	33737	296.50
	Bottom Horizontal Rear connection	33732	226.00	33738	296.50
	Front Cover	C33152	106.00	C33152	106.00
NS1000	TOTAL	Total	7,246.00	Total	9,078.50
	Basic Frame	C100N3WM	3,440.00	C100N4WM	4,488.50
	Micrologic	C5AWM	1,617.00	C5AWM	1,617.00
	Chassis w/o connections	33722	1,631.00	33725	2,274.00
	Top Horizontal Rear connection	33731	226.00	33737	296.50
	Bottom Horizontal Rear connection	33732	226.00	33738	296.50
	Front Cover	C33152	106.00	C33152	106.00
NS1250	TOTAL	Total	7,548.50	Total	9,382.50
	Basic Frame	C125N3WM	3,742.50	C125N4WM	4,792.50
	Micrologic	C5AWM	1,617.00	C5AWM	1,617.00
	Chassis w/o connections	33722	1,631.00	33725	2,274.00
	Top Horizontal Rear connection	33731	226.00	33737	296.50
	Bottom Horizontal Rear connection	33732	226.00	33738	296.50
	Front Cover	C33152	106.00	C33152	106.00
NS1600	TOTAL	Total	9,741.50	Total	12,872.50
	Basic Frame	C160N3WM	5,250.00	C160N4WM	7,982.50
	Micrologic	C5AWM	1,617.00	C5AWM	1,617.00
	Chassis w/o connections	33723	2,316.50	33726	2,574.00
	Top Horizontal Rear connection	33731	226.00	33737	296.50
	Bottom Horizontal Rear connection	33732	226.00	33738	296.50
	Front Cover	C33152	106.00	C33152	106.00

ComPact NS type H (Icu = 70kA at 220/415V)

Rating	Description	3P	Price (S$)	4P	Price (S$)
NS630b	TOTAL	Total	8,150.00	Total	10,020.50
	Basic Frame	C063H3WM	4,344.00	C063H4WM	5,430.50
	Micrologic	C5AWM	1,617.00	C5AWM	1,617.00
	Chassis w/o connections	33722	1,631.00	33725	2,274.00
	Top Horizontal Rear connection	33731	226.00	33737	296.50
	Bottom Horizontal Rear connection	33732	226.00	33738	296.50
	Front Cover	C33152	106.00	C33152	106.00
NS800	TOTAL	Total	7,397.50	Total	9,230.00
	Basic Frame	C080H3WM	3,591.50	C080H4WM	4,640.00
	Micrologic	C5AWM	1,617.00	C5AWM	1,617.00
	Chassis w/o connections	33722	1,631.00	33725	2,274.00
	Top Horizontal Rear connection	33731	226.00	33737	296.50
	Bottom Horizontal Rear connection	33732	226.00	33738	296.50
	Front Cover	C33152	106.00	C33152	106.00

Note: connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately from page B65 to B69

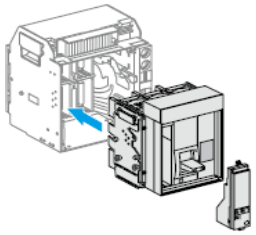
NS630b to NS1600
Withdrawable version, manually operated

unit price (excl. GST in Singapore Dollars)

B

Rear-connected circuit breaker with Micrologic 5.0 A control unit

Complete device included:
Basic withdrawable manually operated circuit breaker with rear horizontal connectors and micrologic control unit Safety shutter is included



ComPact NS type H (Icu = 70kA at 220/415V)

Rating	Description	3P	Price (S$)	4P	Price (S$)
NS1000	TOTAL	Total	7,701.50	Total	11,537.50
	Basic Frame	C100H3WM	3,895.50	C100H4WM	6,947.50
	Micrologic	C5AWM	1,617.00	C5AWM	1,617.00
	Chassis w/o connections	33722	1,631.00	33725	2,274.00
	Top Horizontal Rear connection	33731	226.00	33737	296.50
	Bottom Horizontal Rear connection	33732	226.00	33738	296.50
	Front Cover	C33152	106.00	C33152	106.00
NS1250	TOTAL	Total	8,004.50	Total	9,838.00
	Basic Frame	C125H3WM	4,198.50	C125H4WM	5,248.00
	Micrologic	C5AWM	1,617.00	C5AWM	1,617.00
	Chassis w/o connections	33722	1,631.00	33725	2,274.00
	Top Horizontal Rear connection	33731	226.00	33737	296.50
	Bottom Horizontal Rear connection	33732	226.00	33738	296.50
	Front Cover	C33152	106.00	C33152	106.00
NS1600	TOTAL	Total	13,394.00	Total	16,516.00
	Basic Frame	C160H3WM	8,902.50	C160H4WM	11,626.00
	Micrologic	C5AWM	1,617.00	C5AWM	1,617.00
	Chassis w/o connections	33723	2,316.50	33726	2,574.00
	Top Horizontal Rear connection	33731	226.00	33737	296.50
	Bottom Horizontal Rear connection	33732	226.00	33738	296.50
	Front Cover	C33152	106.00	C33152	106.00

ComPact NS type L (Icu = 150kA at 220/415V)

Rating	Description	3P	Price (S$)	4P	Price (S$)
NS630b	TOTAL	Total	10,292.00	Total	14,606.50
	Basic Frame	C063L3WM	5,800.50	C063L4WM	9,716.50
	Micrologic	C5AWM	1,617.00	C5AWM	1,617.00
	Chassis w/o connections	33723	2,316.50	33726	2,574.00
	Top Horizontal Rear connection	33731	226.00	33737	296.50
	Bottom Horizontal Rear connection	33732	226.00	33738	296.50
	Front Cover	C33152	106.00	C33152	106.00
NS800	TOTAL	Total	10,746.00	Total	14,480.50
	Basic Frame	C080L3WM	6,254.50	C080L4WM	9,590.50
	Micrologic	C5AWM	1,617.00	C5AWM	1,617.00
	Chassis w/o connections	33723	2,316.50	33726	2,574.00
	Top Horizontal Rear connection	33731	226.00	33737	296.50
	Bottom Horizontal Rear connection	33732	226.00	33738	296.50
	Front Cover	C33152	106.00	C33152	106.00
NS1000	TOTAL	Total	13,237.50	Total	21,366.50
	Basic Frame	C100L3WM	8,746.00	C100L4WM	16,476.50
	Micrologic	C5AWM	1,617.00	C5AWM	1,617.00
	Chassis w/o connections	33723	2,316.50	33726	2,574.00
	Top Horizontal Rear connection	33731	226.00	33737	296.50
	Bottom Horizontal Rear connection	33732	226.00	33738	296.50
	Front Cover	C33152	106.00	C33152	106.00

Upgrade options for Micrologic control units

Price adder to circuit breaker fitted with Micrologic 2.0A control unit		Price (S$)
"ammeter" A		
Micrologic 6.0 A	selective + earth-fault protection	1,059.40
Micrologic 7.0 A	selective + earth-leakage protection	1,059.40
"Energy Meter" E		
Micrologic 2.0 E	Long time + Instantaneous	1,027.00
Micrologic 5.0 E	selective protection	1,557.00
"power meter" P		
Micrologic 5.0 P	selective protection	1,619.10
Micrologic 6.0 P	selective + earth-fault protection	2,609.70
Micrologic 7.0 P	selective + earth-leakage protection	4,969.80

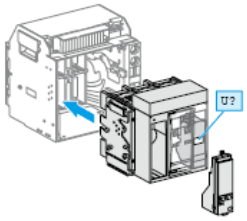
Note: connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately from page B65 to B69

NS630b to NS1600
Withdrawable version, electrically operated

unit price (excl. GST in Singapore Dollars)

Rear-connected circuit breaker with Micrologic 2.0 control unit

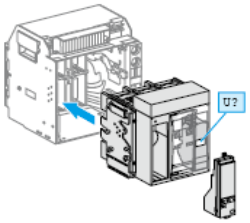
Complete device included:
Basic withdrawable electrically operated circuit breaker with rear connectors, micrologic control unit and motorized mechanism (1). Safety shutter is included



ComPact NS type N (Icu = 50kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	33460EW	*10,729.00*	33463EW	*10,986.00*
NS800	33466EW	*9,457.50*	33469EW	*11,290.00*
NS1000	33472EW	*9,760.00*	33475EW	*11,595.00*
NS1250	33478EW	*10,215.50*	33480EW	*12,053.00*
NS1600	33482EW	*11,193.50*	33484EW	*12,654.50*
ComPact NS type H (Icu = 70kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	33461EW	*10,955.00*	33464EW	*11,139.00*
NS800	33467EW	*9,608.00*	33470EW	*11,442.00*
NS1000	33473EW	*11,887.00*	33476EW	*14,167.00*
NS1250	33479EW	*10,368.50*	33481EW	*12,202.00*
NS1600	33483EW	*11,543.50*	33485EW	*15,736.50*
ComPact NS type L (Icu = 150kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	33462EW	*12,706.00*	33465EW	*14,253.00*
NS800	33468EW	*12,992.50*	33471EW	*14,602.50*
NS1000	33474EW	*16,504.50*	33477EW	*18,062.50*

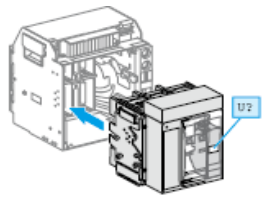
Rear-connected circuit breaker with Micrologic 5.0 control unit

Complete device included:
Basic withdrawable electrically operated circuit breaker with rear connectors, micrologic control unit and motorized mechanism (1). Safety shutter is included



ComPact NS type N (Icu = 50kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	33546EW	*11,368.00*	33549EW	*11,629.50*
NS800	33552EW	*10,096.00*	33555EW	*11,933.00*
NS1000	33558EW	*10,398.50*	33561EW	*12,236.50*
NS1250	33564EW	*10,854.00*	33566EW	*12,689.00*
NS1600	33568EW	*11,835.50*	33570EW	*13,290.50*
ComPact NS type H (Icu = 70kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	33547EW	*11,595.00*	33550EW	*11,778.00*
NS800	33553EW	*10,247.00*	33556EW	*12,082.00*
NS1000	33559EW	*12,528.50*	33562EW	*14,803.00*
NS1250	33565EW	*11,007.00*	33567EW	*12,849.50*
NS1600	33569EW	*12,179.00*	33571EW	*16,384.00*
ComPact NS type L (Icu = 150kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	33548EW	*13,348.00*	33551EW	*14,889.00*
NS800	33554EW	*13,634.50*	33557EW	*15,244.00*
NS1000	33560EW	*17,146.00*	33563EW	*18,698.50*

Rear-connected switch-disconnector



Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	33486EW	*9,228.50*	33491EW	*11,351.50*
NS800	33487EW	*11,053.50*	33492EW	*11,658.00*
NS1000	33488EW	*11,424.50*	33493EW	*11,961.50*
NS1250	33489EW	*11,898.50*	33494EW	*14,064.00*
NS1600	33490EW	*12,941.00*	33495EW	*14,728.50*

Note: The characteristics of the motor mechanism module for electrical operation are specified separately by selecting a reference number from below table.

(1) The characteristics of the motor mechanism module for electrical operation are specified separately by selecting a reference number from below table.

Motor mechanism module

AC 50/60 Hz			**DC**		
	Standard	**Communicating**		**Standard**	**Communicating**
48 V	33831	33838	24-30 V	33830	33837
100-130 V	33827	33834	48-60 V	33831	33838
220-240 V	33828	33835	100-130 V	33832	33839
380-415 V	33829	33836	200-250 V	33833	33840

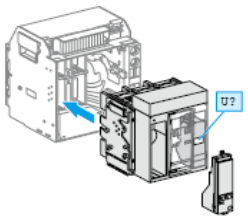
Note: connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately from page B65 to B69

NS630b to NS1600
Withdrawable version, electrically operated

unit price (excl. GST in Singapore Dollars)

Rear-connected circuit breaker with Micrologic 2.0A control unit

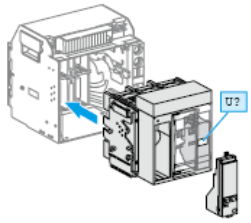
Complete device included:
Basic withdrawable electrically operated circuit breaker with rear connectors, micrologic control unit and motorized mechanism (1). Safety shutter is included



ComPact NS type N (Icu = 50kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	33223EW	*11,778.00*	33227EW	*12,036.00*
NS800	33233EW	*10,503.50*	33237EW	*12,339.50*
NS1000	33243EW	*10,806.50*	33247EW	*12,649.00*
NS1250	33253EW	*11,262.00*	33257EW	*13,101.50*
NS1600	33263EW	*12,242.00*	33267EW	*13,405.00*
ComPact NS type H (Icu = 70kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	33228EW	*12,001.50*	33229EW	*12,190.50*
NS800	33238EW	*10,655.00*	33239EW	*12,488.50*
NS1000	33248EW	*12,935.50*	33249EW	*15,209.50*
NS1250	33258EW	*11,415.00*	33259EW	*13,250.50*
NS1600	33268EW	*12,591.50*	33269EW	*16,785.00*
ComPact NS type L (Icu = 150kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	33497EW	*13,754.50*	33500EW	*15,295.50*
NS800	33498EW	*14,041.00*	33501EW	*15,650.50*
NS1000	33499EW	*17,552.50*	33502EW	*19,105.00*

Rear-connected circuit breaker with Micrologic 5.0 A control unit

Complete device included:
Basic withdrawable electrically operated circuit breaker with rear connectors, micrologic control unit and motorized mechanism (1). Safety shutter is included



ComPact NS type N (Icu = 50kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	33323EW	*11,772.50*	33327EW	*12,030.50*
NS800	33333EW	*10,498.50*	33337EW	*12,334.00*
NS1000	33343EW	*10,801.00*	33347EW	*12,643.00*
NS1250	33353EW	*11,256.00*	33357EW	*13,096.00*
NS1600	33363EW	*12,236.50*	33367EW	*13,691.50*
ComPact NS type H (Icu = 70kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	33328EW	*11,996.00*	33329EW	*12,185.00*
NS800	33338EW	*10,649.00*	33339EW	*12,483.00*
NS1000	33348EW	*12,929.50*	33349EW	*15,209.50*
NS1250	33358EW	*11,409.00*	33359EW	*13,244.50*
NS1600	33368EW	*12,586.00*	33369EW	*16,779.50*
ComPact NS type L (Icu = 150kA at 220/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS630b	33516EW	*13,749.00*	33519EW	*15,290.00*
NS800	33517EW	*14,035.00*	33520EW	*15,645.00*
NS1000	33518EW	*17,547.00*	33521EW	*19,099.50*

Upgrade options for Micrologic control units

Price adder to circuit breaker fitted with Micrologic 2.0A control unit		Price (S$)
"ammeter" A		
Micrologic 6.0 A	selective + earth-fault protection	*1,987.00*
Micrologic 7.0 A	selective + earth-leakage protection	*1,987.00*
"Energy Meter" E		
Micrologic 2.0 E	Long time + Instantaneous	*681.00*
Micrologic 5.0 E	selective protection	*1,365.00*
"power meter" P		
Micrologic 5.0 P	selective protection	*2,515.00*
Micrologic 6.0 P	selective + earth-fault protection	*3,449.50*
Micrologic 7.0 P	selective + earth-leakage protection	*5,676.00*

(1) The characteristics of the motor mechanism module for electrical operation are specified separately by selecting a reference number from below table.

Motor mechanism module

AC 50/60 Hz			DC		
	Standard	**Communicating**		**Standard**	**Communicating**
48 V	33831	33838	24-30 V	33830	33837
100-130 V	33827	33834	48-60 V	33831	33838
220-240 V	33828	33835	100-130 V	33832	33839
380-415 V	33829	33836	200-250 V	33833	33840

Note: connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately from page B65 to B69

NS630b to NS1600
Accessories for fixed devices

unit price (excl. GST in Singapore Dollars)

Connections for circuit breakers and switch-disconnectors

Rear connection

		3P	Price (S$)	4P	Price (S$)
Vertical	Top	33604	*282.00*	33614	*381.00*
	Bottom	33605	*282.00*	33615	*381.00*
Horizontal	Top	33606	*282.00*	33616	*381.00*
	Bottom	33607	*282.00*	33617	*381.00*

Connection accessories

	Front connection		Price (S$)	Rear connection	Price (S$)
Interphase barriers					
	3P/4P top (3 parts)	33646	*48.00*	33648	*77.50*
	3P/4P bottom (3 parts)	33646	*48.00*	33648	*77.50*
Spreaders					
	3P	33622	*341.50*	33622	*341.50*
	4P	33623	*459.50*	33623	*459.50*
Bare-cable connectors + 1 connector shield for 4 cables (240 mm2)					
	3P (3 parts)	33640	*494.50*		
	4P (4 parts)	33641	*656.50*		
1 long connection shield					
	3P	33628	*94.00*		
	4P	33629	*122.50*		
Vertical-connection adapters					
	3P (3 parts)	33642	*617.00*		
	4P (4 parts)	33643	*768.00*		
Cable lug adapters					
	3P (3 parts)	33644	*372.00*		
	4P (4 parts)	33645	*498.50*		
Arc chute screen					
	4P	33597	*66.00*		

Electrical auxiliaries

OF On/Off indication contacts

	6 A - 240 V	Price (S$)	Low level	Price (S$)
OF, ON/OFF indication contacts	33108	*51.50*	33109	*76.50*
SD, trip indication contact for manually operated devices	33004	*65.00*	33008	*95.00*
SDE, fault indication contact operated devices	33011	*67.50*		

Up to 3 OF, 1 SD and 1 SDE can be connected (the SDE contact is standard for electrically operated devices).

Instantaneous voltage releases (1)

Voltage	MX (shunt)	Price (S$)	MN (undervoltage)	Price (S$)	MN Delay unit (2) R (non-adjustable)	Price (S$)	Rr (adjustable)	Price (S$)
12 V DC	33658	*217.50*						
24-30 V DC, 24V AC	33659	*204.00*	33668	*217.50*				
48-60 V DC, 48V AC (2)	33660	*217.50*	33669	*217.50*			33680	*385.50*
100-130 V AC/DC	33661	*227.50*	33670	*217.50*	33684	*493.00*	33681	*385.50*
200-250 V AC/DC	33662	*202.00*	33671	*202.00*	33685	*355.00*	33682	*385.50*
240-277 V AC	33663	*217.50*						
380-480 V AC	33664	*217.50*	33673	*217.50*			33683	*385.50*

(1) Discount code 12 applies.

(2) Except 33680 is 48/609 V AC/DC

Installation accessories

ref. 33717

ref. 33718

			Price (S$)
Escutcheon (small cut-out) for manually operated device with toggle		33717	*44.00*
Escutcheon for:	- device with toggle (large cutout)		
	- device with rotary handle	33718	*59.00*
	- electrically operated device		

NS630b to NS1600
Accessories for withdrawable devices

unit price (excl. GST in Singapore Dollars)

B

Connection accessories (both front and rear connections)

Interphase barriers for rear-connected chassis

		Price (S$)
3P/4P (3 parts)	33768	*80.50*

Spreaders for front-connected and rear-connected chassis

		Price (S$)
3P (3 parts)	33622	*341.50*
4P (4 parts)	33623	*459.50*

Chassis accessories

Auxiliary terminal shield (CB)

		Price (S$)
3P	33763	*137.50*
4P	33764	*136.00*

Safety shutters (VO)

		Price (S$)
3P	33765	*258.05*
4P	33766	*601.90*

Electrical auxiliaries

OF On/Off indication contact

	6 A - 240 V	Price (S$)	Low level	Price (S$)
OF, ON/OFF indication contacts	33801	*74.50*	33804	*169.00*
SD trip indication contact for manually operated devices	33800	*88.00*	33803	*169.00*
SDE fault indication contact operated devices	33799	*108.50*		

Up to 3 OF, 1 SD and 1 SDE can be connected (the SDE contact is standard for electrically operated devices).

CE, CD, CT carriage switches

	Low level	Price (S$)
6 A - 240 V	33170	*69.50*
Low level	33171	*69.50*

Up to 3 CE, 1 CT, 2 CD per device

Instantaneous voltage releases

Voltage	MX (shunt)	Price (S$)	MN (undervoltage)	Price (S$)	MN Delay unit R (non-adjustable)	Price (S$)	Rr (adjustable)	Price (S$)
12 V DC	33809	*271.50*						
24-30 V DC, 24V AC	33810	*264.00*	33819	*264.00*				
48-60 V DC, 48V AC (1)	33811	*252.00*	33820	*359.50*			33680	*385.50*
100-130 V AC/DC	33812	*252.00*	33821	*252.00*	33684	*493.00*	33681	*385.50*
200-250 V AC/DC	33813	*252.00*	33822	*252.00*	33685	*355.00*	33682	*385.50*
240-277 V AC	33814	*373.00*						
380-480 V AC	33815	*264.00*	33824	*264.00*			33683	*385.50*

(1) Except 33680 is 48/609 V AC/DC

Auxiliary terminals for chassis alone

		Price (S$)
6 wire terminal (10 parts)	47072	*588.00*

NS630b to NS1600
Accessories for withdrawable devices

unit price (excl. GST in Singapore Dollars)

Chassis locking

"Disconnected" position locking

By Profalux keylocks	Reference	Price (S$)
1 lock with 1 key + adaptation kit	33773	*252.00*
2 locks 1 key + adaptation kit	33774	*501.00*
2 locks 2 different keys + adaptation kit	33775	*501.00*

By Ronis keylocks		Price (S$)
1 lock with 1 key + adaptation kit	33776	*345.00*

Door interlock

		Price (S$)
Right side of chassis (VPECD)	33786	*221.00*
Left side of chassis (VPECG)	33787	*221.00*

Racking interlock (VPOC)

		Price (S$)
	33788	*284.70*

Mismatch protection (VDC)

		Price (S$)
	33767	*364.50*

Installation accessories

Escutcheon

		Price (S$)
	33857	*81.50*

Transparent cover for escutcheon

		Price (S$)
	33859	*656.50*

NS630b to NS1600
Accessories for fixed and withdrawable devices

unit price (excl. GST in Singapore Dollars)

B

Locking for manually operated devices

Fixed toggle locking system

		Price (S$)
Locking by 3 padlocks	32631	*69.00*

Rotary handle for manually operated devices

Devices with direct rotary handles

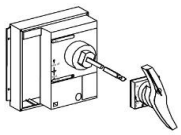
			Price (S$)
Handle and front	Black handle and black front	33863	*263.00*
Conversion accessory	CNOMO	33866	*205.40*

Locking by keylocks		Ronis	Price (S$)	Profalux	Price (S$)
	OFF position	33870	*122.50*	33869	*234.65*
	OFF and ON positions	33872	*234.65*		
Keylock kit (without keylocks)		33868	*36.50*	33868	*36.50*

Mechanical interlocking

		Price (S$)
For 2 devices with extended rotary handles	33890	*399.00*

Devices with extended rotary handles



			Price (S$)
Handle and front	Black handle and black front	33878	*373.50*
	Red handle and yellow front	33879	*502.00*
	Telescopic shaft for Rotary handle	33197	*259.90*
	33878+33197 for telescopic rotary handle		

Control accessories

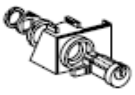
2 advanced indication contacts (6 A - 240 V)		Fixed	Price (S$)	Withdrawable	Price (S$)
	Early break			33884	*220.35*
	Early make	33883	*269.75*	33885	*220.35*

Locking and accessories for electrically operated devices

Pushbutton locking

		Price (S$)
By transparent cover + padlocks	33897	*98.00*

Locking in OFF position



By Ronis keylocks + BPFE support

		Price (S$)
1 lock with 1 key + adaptation kit	33903	*431.50*
2 locks 1 key + adapation kit	33905	*1,031.55*

Operation counter CDM

		Price (S$)
Operation counter CDM	33895	*418.00*

Removable toggle locking system

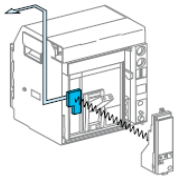
E59562

		Price (S$)
Locking by 3 padlocks	44936	*37.50*

NS630b to NS1600
Accessories for fixed and withdrawable devices

unit price (excl. GST in Singapore Dollars)

Communications options



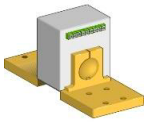
For fixed devices	Manually operated	Price (S$)	Electrically operated	Price (S$)
Modbus COM	33702	*1,213.50*	33708	*1,716.00*
For drawout devices	**Manually operated**		**Electrically operated**	
		Price (S$)		**Price (S$)**
Modbus COM	33842	*1,265.00*	33848	*1,803.00*
+ chassis				
		Price (S$)		**Price (S$)**
Modbus	LV434063	*895.00*	LV434063	*895.00*

Accessories for Micrologic control units

Long-time rating plug (enhanced accuracy by limiting the setting range)

			Price (S$)
Standard	0.4 to 1 x Ir	33542	*52.50*
Low setting	0.4 to 0.8 x Ir	33543	*99.45*
High setting	0.8 to 1 x Ir	33544	*99.45*
Without long-time protection	OFF	33545	*99.45*

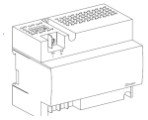
External sensor



External sensor for neutral + earth-fault protection (TCE)			
			Price (S$)
CT rating: 400/1600 A		33576	*1,264.00*

Source ground return (SGR) earth fault protection			
			Price (S$)
External sensor (SGR)		33579	*1,489.00*

External power supply module



Voltage		Price (S$)
24-30 V DC	LV454440	*901.00*
48-60 V DC	LV454441	*901.00*
100-125 V DC	LV454442	*901.00*
110-130 V AC	LV454443	*625.00*
200-240 V AC	LV454444	*505.00*

Test equipment

Mini test kit

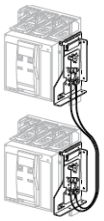
		Price (S$)
Hand held test kit (HHTK)	33594	*2,459.63*

Mechanical interlocking for source changeover

Interlocking using connecting rods for ComPact electrically operated devices

		Price (S$)
Complete assembly with 2 adaptation fixtures + rods		
2 ComPact fixed devices	33910	*1,816.10*
2 ComPact withdrawable devices	33913	*2,612.50*

Interlocking using cables for ComPact electrically operated devices



		Price (S$)
Complete assembly with 2 adaptation fixtures + cables		
2 ComPact fixed devices	33911	*1,182.00*
2 ComPact withdrawable devices	33914	*1,182.00*
1 ComPact fixed + 1 ComPact withdrawable device	33915	*1,262.50*

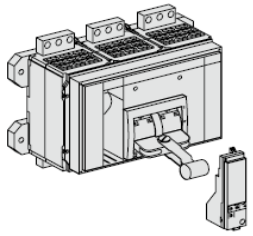
NS1600b to NS3200
Accessories for fixed and withdrawable devices

unit price (excl. GST in Singapore Dollars)

B

Circuit breaker with Micrologic 2.0 control unit

Complete device included:
Basic manually operated circuit breaker with front connectors and micrologic control unit.



ComPact NS type N (Icu = 85/70kA at 220/415V)

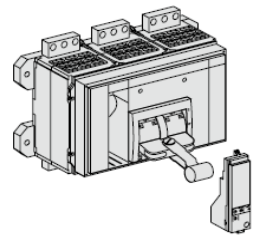
Rating	Description	3P	Price (S$)	4P	Price (S$)
NS1600b	TOTAL		*10,185.00*		*21,259.00*
	Micrologic 2.0	C20FM	*212.00*	C20FM	*212.00*
	Basic Frame	C16bN3FM	*9,973.00*	C16bN4FM	*21,047.00*
NS2000	TOTAL		*10,337.00*		*17,633.00*
	Micrologic 2.0	C20FM	*212.00*	C20FM	*212.00*
	Basic Frame	C200N3FM	*10,125.00*	C200N4FM	*17,421.00*
NS2500	TOTAL		*10,488.50*		*17,782.00*
	Micrologic 2.0	C20FM	*212.00*	C20FM	*212.00*
	Basic Frame	C250N3FM	*10,276.50*	C250N4FM	*17,570.00*
NS3200	TOTAL		*10,641.00*		*17,936.50*
	Micrologic 2.0	C20FM	*212.00*	C20FM	*212.00*
	Basic Frame	C320N3FM	*10,429.00*	C320N4FM	*17,724.50*

ComPact NS type H (Icu = 125/85kA at 220/415V)

Rating	Description	3P	Price (S$)	4P	Price (S$)
NS1600b	TOTAL		*11,047.50*		*18,996.50*
	Micrologic 2.0	C20FM	*212.00*	C20FM	*212.00*
	Basic Frame	C16bH3FM	*10,835.50*	C16bH4FM	*18,784.50*
NS2000	TOTAL		*12,007.50*		*19,145.00*
	Micrologic 2.0	C20FM	*212.00*	C20FM	*212.00*
	Basic Frame	C200H3FM	*11,795.50*	C200H4FM	*18,933.00*
NS2500	TOTAL		*15,112.00*		*23,493.50*
	Micrologic 2.0	C20FM	*212.00*	C20FM	*212.00*
	Basic Frame	C250H3FM	*14,900.00*	C250H4FM	*23,281.50*
NS3200	TOTAL		*16,200.50*		*18,354.50*
	Micrologic 2.0	C20FM	*212.00*	C20FM	*212.00*
	Basic Frame	C320H3FM	*15,988.50*	C320H4FM	*18,142.50*

Circuit breaker with Micrologic 5.0 control unit

Complete device included:
Basic manually operated circuit breaker with front connectors and micrologic control unit.



ComPact NS type N (Icu = 85/70kA at 220/415V)

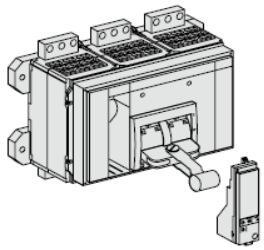
Rating	Description	3P	Price (S$)	4P	Price (S$)
NS1600b	TOTAL		*10,842.00*		*21,916.00*
	Micrologic 5.0	C50FM	*869.00*	C50FM	*869.00*
	Basic Frame	C16bN3FM	*9,973.00*	C16bN4FM	*21,047.00*
NS2000	TOTAL		*10,994.00*		*18,290.00*
	Micrologic 5.0	C50FM	*869.00*	C50FM	*869.00*
	Basic Frame	C200N3FM	*10,125.00*	C200N4FM	*17,421.00*
NS2500	TOTAL		*11,145.50*		*18,439.00*
	Micrologic 5.0	C50FM	*869.00*	C50FM	*869.00*
	Basic Frame	C250N3FM	*10,276.50*	C250N4FM	*17,570.00*
NS3200	TOTAL		*11,298.00*		*18,593.50*
	Micrologic 5.0	C50FM	*869.00*	C50FM	*869.00*
	Basic Frame	C320N3FM	*10,429.00*	C320N4FM	*17,724.50*

Note: connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately.

NS1600b to NS3200
Fixed version, manually operated

unit price (excl. GST in Singapore Dollars)

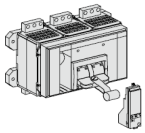
Circuit breaker with Micrologic 5.0 control unit



ComPact NS type H (Icu = 125/85kA at 220/415V)					
Rating	**Description**	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS1600b	TOTAL		*11704.50*		*19653.50*
	Micrologic 5.0	C50FM	*869.00*	C50FM	*869.00*
	Basic Frame	C16bH3FM	*10,835.50*	C16bH4FM	*18,784.50*
NS2000	TOTAL		*12664.50*		*19802.00*
	Micrologic 5.0	C50FM	*869.00*	C50FM	*869.00*
	Basic Frame	C200H3FM	*11,795.50*	C200H4FM	*18,933.00*
NS2500	TOTAL		*15769.00*		*24150.50*
	Micrologic 5.0	C50FM	*869.00*	C50FM	*869.00*
	Basic Frame	C250H3FM	*14,900.00*	C250H4FM	*23,281.50*
NS3200	TOTAL		*16857.50*		*19011.50*
	Micrologic 5.0	C50FM	*869.00*	C50FM	*869.00*
	Basic Frame	C320H3FM	*15,988.50*	C320H4FM	*18,142.50*

Front connected circuit breaker with Micrologic 2.0A control unit

Complete device included:
Basic manually operated circuit breaker with front connectors and micrologic control unit.



ComPact NS type N (Icu = 85/70kA at 220/415V)					
Rating	**Description**	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS1600b	TOTAL		*10700.00*		*21,774.00*
	Micrologic 2.0 A	C2AFM	*727.00*	C2AFM	*727.00*
	Basic Frame	C16bN3FM	*9,973.00*	C16bN4FM	*21,047.00*
NS2000	TOTAL		*10852.00*		*18,148.00*
	Micrologic 2.0 A	C2AFM	*727.00*	C2AFM	*727.00*
	Basic Frame	C200N3FM	*10,125.00*	C200N4FM	*17,421.00*
NS2500	TOTAL		*11003.50*		*18,297.00*
	Micrologic 2.0 A	C2AFM	*727.00*	C2AFM	*727.00*
	Basic Frame	C250N3FM	*10,276.50*	C250N4FM	*17,570.00*
NS3200	TOTAL		*11156.00*		*18,451.50*
	Micrologic 2.0 A	C2AFM	*727.00*	C2AFM	*727.00*
	Basic Frame	C320N3FM	*10,429.00*	C320N4FM	*17,724.50*
ComPact NS type H (Icu = 125/85kA at 220/415V)					
Rating	**Description**	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS1600b	TOTAL		*11562.50*		*19,511.50*
	Micrologic 2.0 A	C2AFM	*727.00*	C2AFM	*727.00*
	Basic Frame	C16bH3FM	*10,835.50*	C16bH4FM	*18,784.50*
NS2000	TOTAL		*12522.50*		*19,660.00*
	Micrologic 2.0 A	C2AFM	*727.00*	C2AFM	*727.00*
	Basic Frame	C200H3FM	*11,795.50*	C200H4FM	*18,933.00*
NS2500	TOTAL		*15627.00*		*24,008.50*
	Micrologic 2.0 A	C2AFM	*727.00*	C2AFM	*727.00*
	Basic Frame	C250H3FM	*14,900.00*	C250H4FM	*23,281.50*
NS3200	TOTAL		*16715.50*		*18,869.50*
	Micrologic 2.0 A	C2AFM	*727.00*	C2AFM	*727.00*
	Basic Frame	C320H3FM	*15,988.50*	C320H4FM	*18,142.50*

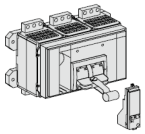
Note: connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately.

NS1600b to NS3200
Fixed version, manually operated

unit price (excl. GST in Singapore Dollars)

Front connected circuit breaker with Micrologic 5.0A control unit

Complete device included:
Basic manually operated circuit breaker with front connectors and micrologic control unit.



ComPact NS type N (Icu = 85/70kA at 220/415V)					
Rating	**Description**	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS1600b	TOTAL		*11391.50*		*22,465.50*
	Micrologic 5.0 A	C5AFM	*1,418.50*	C5AFM	*1,418.50*
	Basic Frame	C16bN3FM	*9,973.00*	C16bN4FM	*21,047.00*
NS2000	TOTAL		*11543.50*		*18,839.50*
	Micrologic 5.0 A	C5AFM	*1,418.50*	C5AFM	*1,418.50*
	Basic Frame	C200N3FM	*10,125.00*	C200N4FM	*17,421.00*
NS2500	TOTAL		*11695.00*		*18,988.50*
	Micrologic 5.0 A	C5AFM	*1,418.50*	C5AFM	*1,418.50*
	Basic Frame	C250N3FM	*10,276.50*	C250N4FM	*17,570.00*
NS3200	TOTAL		*11847.50*		*19,143.00*
	Micrologic 5.0 A	C5AFM	*1,418.50*	C5AFM	*1,418.50*
	Basic Frame	C320N3FM	*10,429.00*	C320N4FM	*17,724.50*
ComPact NS type H (Icu = 125/85kA at 220/415V)					
Rating	**Description**	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS1600b	TOTAL		*12254.00*		*20,203.00*
	Micrologic 5.0 A	C5AFM	*1,418.50*	C5AFM	*1,418.50*
	Basic Frame	C16bH3FM	*10,835.50*	C16bH4FM	*18,784.50*
NS2000	TOTAL		*13214.00*		*20,351.50*
	Micrologic 5.0 A	C5AFM	*1,418.50*	C5AFM	*1,418.50*
	Basic Frame	C200H3FM	*11,795.50*	C200H4FM	*18,933.00*
Rating	**Description**	**3P**	**Price (S$)**	**4P**	**Price (S$)**
NS2500	TOTAL		*16318.50*		*24,700.00*
	Micrologic 5.0 A	C5AFM	*1,418.50*	C5AFM	*1,418.50*
	Basic Frame	C250H3FM	*14,900.00*	C250H4FM	*23,281.50*
NS3200	TOTAL		*17407.00*		*19,561.00*
	Micrologic 5.0 A	C5AFM	*1,418.50*	C5AFM	*1,418.50*
	Basic Frame	C320H3FM	*15,988.50*	C320H4FM	*18,142.50*

Note: connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately.

Upgrade options for Micrologic control units

Price adder to circuit breaker fitted with Micrologic 2.0A control unit		**Price (S$)**
Micrologic 6.0 A	selective + earth-fault protection	1,327.30
Micrologic 7.0 A	selective + earth-leakage protection	1,687.00

Optional vertical connection adaptor

			Price (S$)
1600/2500 A	3P (3 parts)	33975	*536.50*
	4P (4 parts)	33976	*681.50*

Note: Vertical connections is standard for 3200 A.

Electrical auxiliaries

Indication contacts

	6 A - 240 V	**Price (S$)**	**Low level**	**Price (S$)**
OF, ON/OFF indication contacts	33108	*51.50*	33109	*76.50*
SD, trip indication contact for manually operated devices	33004	*65.00*	33008	*95.00*
SDE, fault indication contact operated devices	33011	*67.50*	33012	*95.00*

Up to 3 OF, 1 SD and 1 SDE can be connected.

Note: connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately.

NS1600b to NS3200
Fixed version, manually operated

unit price (excl. GST in Singapore Dollars)

Electrical auxiliaries

Instantaneous voltage releases

Voltage	MX (shunt)		MN (undervoltage)		MN delay unit (1)(2) R (non-adjustable)	Price (S$)	Rr (adjustable)	Price (S$)
12 V DC	33658	*217.50*						
24-30 V AC/DC	33659	*204.00*	33668	*217.50*				
48-60 V AC/DC	33660	*217.50*	33669	*217.50*			33680	*385.50*
100-130 V AC/DC	33661	*227.50*	33670	*217.50*	33684	*493.00*	33681	*385.50*
200-250 V AC/DC	33662	*202.00*	33671	*202.00*	33685	*355.00*	33682	*385.50*
240-277 V AC	33663	*217.50*						
380-480 V AC	33664	*217.50*	33673	*217.50*			33683	*385.50*

(1) Must be used with instantaneous voltage release (MN)

Locking

Removable toggle locking system

		Price (S$)
Locking by 3 padlocks	33996	*87.10*

Fixed toggle locking system

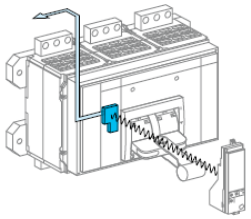
		Price (S$)
Locking by 3 padlocks	32631	*69.00*

Note: connection accessories, device accessories and auxiliaries, control-unit accessories and communications option may be selected separately.

NS1600b to NS3200
Accessories

unit price (excl. GST in Singapore Dollars)

Communications option



		Price (S$)
Modbus COM	33986	*2,462.20*

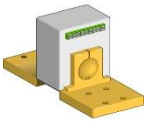
Accessories for Micrologic control units

Long-time rating plug (enhanced accuracy by limiting the setting range)

			Price (S$)
Standard	0.4 to 1 x Ir	33542	*52.50*
Low setting	0.4 to 0.8 x Ir	33543	*99.45*
High setting	0.8 to 1 x Ir	33544	*99.45*
Without long-time protection	OFF	33545	*99.45*

External sensors

External sensor for neutral + earth-fault protection (TCE)

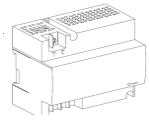


		Price (S$)
CT rating: 1000/4000 A	34036	*1,490.50*

Source ground return (SGR) earth fault protection

		Price (S$)
External sensor (SGR)	33579	*1,489.00*

External power supply module (AD) (1)



		Price (S$)
24-30 V DC	LV454440	*901.00*
48-60 V DC	LV454441	*901.00*
100-125 V DC	LV454442	*901.00*
110-130 V AC	LV454443	*625.00*
200-240 V AC	LV454444	*505.00*

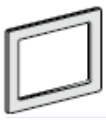
Test equipment

Mini test kit

		Price (S$)
Hand held test kit (HHTK)	33594	*2,459.63*

Installation accessories

Escutcheon



		Price (S$)
	33929	*227.00*

Interphase barriers (3 parts)

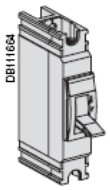
		Price (S$)
	33998	*183.50*

EZC100N/H 1P/2P

unit price (excl. GST in Singapore Dollars)

EasyPact EZC100N 1P 18 kA 220/240 V

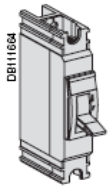
With thermal magnetic trip unit



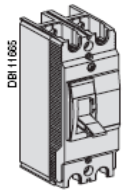
Rating	1P 1t	Price (S$)
15 A	EZC100N1015	*84.50*
20 A	EZC100N1020	*84.50*
25 A	EZC100N1025	*119.00*
30 A	EZC100N1030	*84.50*
40 A	EZC100N1040	*84.50*
50 A	EZC100N1050	*119.00*
60 A	EZC100N1060	*84.50*
75 A	EZC100N1075	*119.00*
80 A	EZC100N1080	*119.00*
100 A	EZC100N1100	*84.50*

EasyPact EZC100H 1P 25 kA - 2P 50 kA 220/240 V

With thermal magnetic trip unit



1P



2P

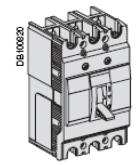
Rating	1P 1t	Price (S$)	2P 2t	Price (S$)
15 A	EZC100H1015	*97.00*	EZC100H2015	*138.00*
20 A	EZC100H1020	*97.00*	EZC100H2020	*138.00*
25 A	EZC100H1025	*97.00*	EZC100H2025	*138.00*
30 A	EZC100H1030	*97.00*	EZC100H2030	*138.00*
40 A	EZC100H1040	*97.00*	EZC100H2040	*138.00*
50 A	EZC100H1050	*97.00*	EZC100H2050	*138.00*
60 A	EZC100H1060	*97.00*	EZC100H2060	*138.00*
75 A	EZC100H1075	*150.50*	EZC100H2075	*138.00*
80 A	EZC100H1080	*97.00*	EZC100H2080	*138.00*
100 A	EZC100H1100	*97.00*	EZC100H2100	*138.00*

EZC100N/H/B/F 3P/4P

unit price (excl. GST in Singapore Dollars)

EasyPact EZC100B 3P 7.5 kA 400/415 V

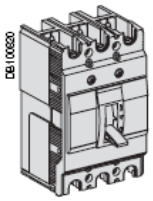
With thermal magnetic trip unit



Rating	3P 3t	Price (S$)
15 A	EZC100B3015	*108.00*
20 A	EZC100B3020	*108.00*
25 A	EZC100B3025	*108.00*
30 A	EZC100B3030	*108.00*
40 A	EZC100B3040	*108.00*
50 A	EZC100B3050	*108.00*
60 A	EZC100B3060	*108.00*

EasyPact EZC100F 3P 10 kA 400/415 V

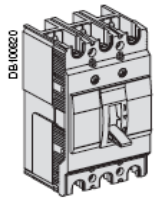
With thermal magnetic trip unit



Rating	3P 3t	Price (S$)
15 A	EZC100F3015	*119.00*
20 A	EZC100F3020	*119.00*
25 A	EZC100F3025	*119.00*
30 A	EZC100F3030	*119.00*
40 A	EZC100F3040	*119.00*
50 A	EZC100F3050	*119.00*
60 A	EZC100F3060	*119.00*
75 A	EZC100F3075	*119.00*
80 A	EZC100F3080	*119.00*
100 A	EZC100F3100	*119.00*

EasyPact EZC100N 3P/4P 15 kA 400/415 V

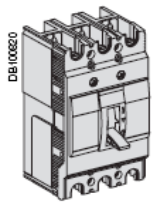
With thermal magnetic trip unit



Rating	3P 3t	Price (S$)	4P 3t	Price (S$)
15 A	EZC100N3015	*128.00*		
20 A	EZC100N3020	*128.00*	EZC100N4020	*318.50*
25 A	EZC100N3025	*128.00*	EZC100N4025	*318.50*
30 A	EZC100N3030	*128.00*	EZC100N4030	*208.00*
40 A	EZC100N3040	*128.00*	EZC100N4040	*208.00*
50 A	EZC100N3050	*128.00*	EZC100N4050	*208.00*
60 A	EZC100N3060	*128.00*	EZC100N4060	*208.00*
75 A	EZC100N3075	*128.00*	EZC100N4075	*254.50*
80 A	EZC100N3080	*128.00*	EZC100N4080	*208.00*
100 A	EZC100N3100	*128.00*	EZC100N4100	*208.00*

EasyPact EZC100H 3P/4P 30 kA 400/415 V

With thermal magnetic trip unit



Rating	3P 3t	Price (S$)	4P 3t	Price (S$)
15 A	EZC100H3015	*135.50*		
20 A	EZC100H3020	*135.50*	EZC100H4020	*226.50*
25 A	EZC100H3025	*135.50*	EZC100H4025	*226.50*
30 A	EZC100H3030	*135.50*	EZC100H4030	*226.50*
40 A	EZC100H3040	*135.50*	EZC100H4040	*226.50*
50 A	EZC100H3050	*135.50*	EZC100H4050	*226.50*
60 A	EZC100H3060	*135.50*	EZC100H4060	*226.50*
75 A	EZC100H3075	*135.50*	EZC100H4075	*348.00*
80 A	EZC100H3080	*135.50*	EZC100H4080	*226.50*
100 A	EZC100H3100	*135.50*	EZC100H4100	*226.50*

EZC100N/H/B/F accessories

unit price (excl. GST in Singapore Dollars)

Connection accessories

Plug-in base and Fishbone accessories

		Reference	Price (S$)
Plug-in base 3P	15-50A	EZAPLUG3L	*200.85*
	60-100A	EZAPLUG3H	*154.50*
Fishbone connectors	Set of 3	EZAFSHB3	*38.00*

Cable lugs

DB100821

DB100822

			Reference	Price (S$)
≤ 50 A	Cables from 2.5 to 16 mm2	Set of 2	EZALUG0502	*22.00*
		Set of 3	EZALUG0503	*21.00*
> 50 A	Cables from 10 to 50 mm2	Set of 2	EZALUG1002	*24.50*
		Set of 3	EZALUG1003	*22.50*

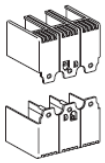
Spreader

DB100823

		Reference	Price (S$)
Spreaders for 3-pole breaker	set of 3	EZASPDR3P	*11.00*
Spreaders for 4-pole breaker	set of 4	EZASPDR4P	*23.00*

Terminal shield

DB100824



		Reference	Price (S$)
Terminal shield for 3-pole breaker	Set of 2	EZATSHD3P	*27.50*
Terminal shield for 4-pole breaker	Set of 2	EZATSHD4P	*55.25*

Phase barriers

DB100826

		Reference	Price (S$)
Phase barriers	Set of 2	EZAFASB2	*8.05*

EasyPact EZC100

Indication contacts

DB100827

DB100828

DB100829

	Reference	Price (S$)
Auxiliary switch (AX)	EZAUX10	*38.00*
Alarm switch (AL)	EZAUX01	*41.50*
Auxiliary switch/Alarm switch (AX/AL)	EZAUX11	*69.00*

EZC100N/H/B/F accessories

unit price (excl. GST in Singapore Dollars)

Electrical auxiliaries (cont.)

Voltage releases

Shunt trip (SHT)

	Voltage	MX/SHT	Price (S$)
AC	100-130 V	EZASHT100AC	*97.50*
	200-277 V	EZASHT200AC	*97.50*
	380-480 V	EZASHT380AC	*179.40*
DC	24 V	EZASHT024DC	*97.50*

Under voltage release (UVR)

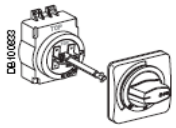
	Voltage	MN/UVR	Price (S$)
AC			
	200-240 V	EZAUVR200AC	*168.50*
	380-415 V	EZAUVR380AC	*168.50*

Rotary handles

Direct rotary handle (for 3 pole breaker)

	Reference	Price (S$)
Direct rotary handle (black)	EZAROTDS	*79.00*

Extended rotary handle (for 3 pole breaker)



	Reference	Price (S$)
Extended rotary handle (black)	EZAROTE	*136.50*

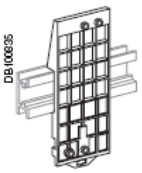
Locks

Padlocking system

	Reference	Price (S$)
Padlocking system	EZALOCK	*13.00*

Installation accessory

Din rail adaptor



	Reference	Price (S$)
For 2 x 1 pole or 1 x 2 pole or 1 x 3 pole breaker	EZADINR	*16.00*

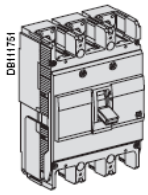
Note: for 4P breaker, use 2 adaptors

EZC250N/H/F 2P/3P/4P

unit price (excl. GST in Singapore Dollars)

EasyPact EZC250F 3P 18 kA 400/415 V

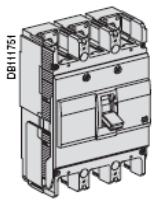
With thermal magnetic trip unit



Rating	3P 3t	Price (S$)
100 A	EZC250F3100	*295.00*
125 A	EZC250F3125	*308.00*
150 A	EZC250F3150	*326.00*
160 A	EZC250F3160	*326.00*
175 A	EZC250F3175	*328.50*
200 A	EZC250F3200	*348.00*
225 A	EZC250F3225	*348.00*
250 A	EZC250F3250	*348.00*

EasyPact EZC250N 3P 25 kA 400/415 V

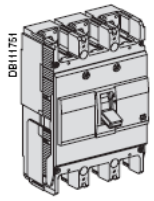
With thermal magnetic trip unit



Rating	3P 3t	Price (S$)
100 A	EZC250N3100	*306.50*
125 A	EZC250N3125	*323.00*
150 A	EZC250N3150	*341.50*
160 A	EZC250N3160	*341.50*
175 A	EZC250N3175	*345.00*
200 A	EZC250N3200	*358.50*
225 A	EZC250N3225	*358.50*
250 A	EZC250N3250	*358.50*

EasyPact EZC250H 2/3P 36 kA 400/415 V

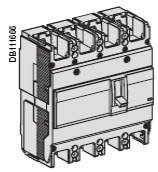
With thermal magnetic trip unit



Rating	2P 2t	Price (S$)	3P 3t	Price (S$)
100 A	EZC250H2100	*415.00*	EZC250H3100	*354.50*
125 A	EZC250H2125	*354.50*	EZC250H3125	*373.50*
150 A	EZC250H2150	*458.50*	EZC250H3150	*395.50*
160 A	EZC250H2160	*458.50*	EZC250H3160	*395.50*
175 A	EZC250H2175	*463.00*	EZC250H3175	*398.00*
200 A	EZC250H2200	*399.00*	EZC250H3200	*412.50*
225 A	EZC250H2225	*490.00*	EZC250H3225	*412.50*
250 A	EZC250H2250	*399.00*	EZC250H3250	*412.50*

EasyPact EZC250N 4P 25 kA 400/415 V

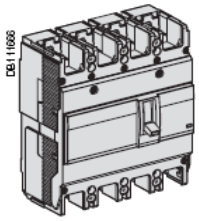
With thermal magnetic trip unit



Rating	4P 3t	Price (S$)
100 A	EZC250N4100	*581.50*
125 A	EZC250N4125	*496.00*
150 A	EZC250N4150	*518.50*
160 A	EZC250N4160	*518.50*
200 A	EZC250N4200	*555.50*
250 A	EZC250N4250	*555.50*

EasyPact EZC250H 4P 36 kA 400/415 V

With thermal magnetic trip unit



Rating	4P 3t	Price (S$)
63A	EZC250H4063	*844.00*
100 A	EZC250H4100	*673.00*
125 A	EZC250H4125	*572.50*
150 A	EZC250H4150	*736.50*
160 A	EZC250H4160	*600.00*
200 A	EZC250H4200	*644.00*
250 A	EZC250H4250	*644.00*

EZCV250N/H 3P/4P
Earth-leakage circuit breaker

unit price (excl. GST in Singapore Dollars)

B

EasyPact EZCV250N 3P 25 kA 400/415 V

With thermal magnetic trip unit earth leakage protection

Rating	3P 3t	Price (S$)
63A	EZCV250N3063	*622.00*
80A	EZCV250N3080	*763.50*
100 A	EZCV250N3100	*622.00*
125 A	EZCV250N3125	*781.00*
175 A	EZCV250N3175	*663.00*
250 A	EZCV250N3250	*846.00*

EasyPact EZCV250H 3P 36 kA 400/415 V

With thermal magnetic trip unit earth leakage protection

Rating	3P 3t	Price (S$)
225 A	EZCV250H3225	*1,155.50*
250 A	EZCV250H3250	*1,103.00*

EasyPact EZCV250N 4P 25 kA 400/415 V

With thermal magnetic trip unit earth leakage protection

Rating	4P 3t	Price (S$)
63A	EZCV250N4063	*786.50*
100 A	EZCV250N4100	*786.50*
125 A	EZCV250N4125	*1,243.50*
160 A	EZCV250N4160	*831.50*
200 A	EZCV250N4200	*879.50*
250 A	EZCV250N4250	*879.50*

EasyPact EZCV250H 4P 36 kA 400/415 V

With thermal magnetic trip unit earth leakage protection

Rating	4P 3t	Price (S$)
63A	EZCV250H4063	*860.50*
80A	EZCV250H4080	*860.50*
100 A	EZCV250H4100	*860.50*
125 A	EZCV250H4125	*885.00*
160 A	EZCV250H4160	*913.50*
200 A	EZCV250H4200	*966.50*
250 A	EZCV250H4250	*966.50*

EZC250N/H/F Accessories

unit price (excl. GST in Singapore Dollars)

Connection accessories

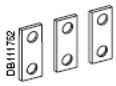
Plug-in base

	Reference	Price (S$)
Plug-in base 3P 100A - 250A	EZEPLUG3L	*575.25*

Cable lugs

		Reference	Price (S$)
250 A	Set of 3	EZELUG2503	*43.00*
Cables from 42 to 152 mm²	Set of 4	EZELUG2504	*109.85*

Terminal extension

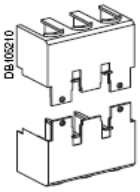


		Reference	Price (S$)
Terminal extension for 3-pole breaker	Set of 3	EZETEX	*39.00*

Spreader

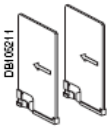
		Reference	Price (S$)
Spreaders for 3-pole breaker	Set of 3	EZESPDR3P	*20.50*
Spreaders for 4-pole breaker	Set of 4	EZESPDR4P	*28.00*

Terminal shield



		Reference	Price (S$)
Terminal shield for 3-pole breaker (60mm depth)	Set of 2	EZETSHD3P	*38.00*
Terminal shield for 3-pole breaker (68mm depth)	Set of 2	EZETSHD3PN	*44.00*
Terminal shield for 4-pole breaker (68mm depth)	Set of 2	EZETSHD4PN	*70.20*

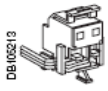
Phase barriers

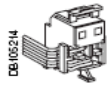


		Reference	Price (S$)
Phase barriers for 60mm depth	Set of 2	EZEFASB2	*9.75*

Electrical auxiliaries

Indication contacts





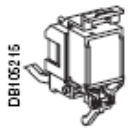
	Reference	Price (S$)
Auxiliary switch (AX)	EZEAX	*42.50*
Alarm switch (AL)	EZEAL	*49.00*
Auxiliary switch/Alarm switch (AX/AL)	EZEAXAL	*84.50*

EZC250N/H/F Accessories

unit price (excl. GST in Singapore Dollars)

Electrical auxiliaries (cont.)

Voltage releases



Shunt trip (SHT)

	Voltage	MX/SHT	Price (S$)
AC	100-120 V	EZESHT100AC	*104.00*
	200-240 V	EZESHT200AC	*104.00*
DC	24 V	EZESHT024DC	*180.70*

(UVR)

(UVRN)

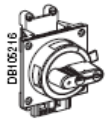
Under voltage release

	Voltage	MN/UVR	Price (S$)	MN/UVR (1)	Price (S$)
AC	110-130 V				
	200-240 V	EZEUVR200AC	*501.00*	EZEUVRN200AC	*986.70*

(1) Only EZC250-4P and EZCV250-3/4P.

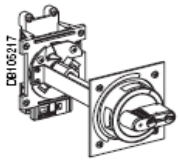
Rotary handles

Direct rotary handle



	Reference	Price (S$)
Direct rotary handle (black)	EZEROTDS	*99.00*

Extended rotary handle



	Reference	Price (S$)
Extended rotary handle (black)	EZEROTE	*174.50*

Locks

Padlocking system

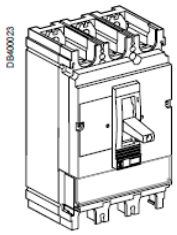
	Reference	Price (S$)
Padlocking system for EZC250-3P	EZELOCK	*18.50*
Padlocking system for EZC250-4P and EZCV250-3/4P	EZELOCKN	*25.09*

EZC400N/H 3P/4P

unit price (excl. GST in Singapore Dollars)

EasyPact EZC400N 3P 36 kA 400/415 V

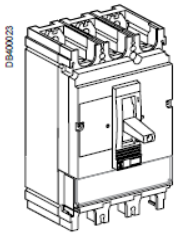
With thermal magnetic trip unit



Rating	3P 3t	Price (S$)
320A	EZC400N3320N	*642.50*
350A	EZC400N3350N	*642.50*
400A	EZC400N3400N	*642.50*

EasyPact EZC400H 3P 50 kA 400/415 V

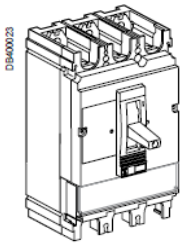
With thermal magnetic trip unit



Rating	3P 3t	Price (S$)
320A	EZC400H3320N	*793.50*
350A	EZC400H3350N	*793.50*
400A	EZC400H3400N	*793.50*

EasyPact EZC400N 4P 36 kA 400/415 V

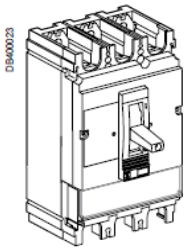
With thermal magnetic trip unit



Rating	4P 3t	Price (S$)	
320A	EZC400N4320N	*1,031.00*	
350A	EZC400N4350N	*2,060.00*	
400A	EZC400N4400N	*1,031.00*	

EasyPact EZC400H 4P 50 kA 400/415 V

With thermal magnetic trip unit



Rating	4P 3t	Price (S$)	
320A	EZC400H4320N	*1,225.00*	
350A	EZC400H4350N	*1,883.50*	
400A	EZC400H4400N	*1,225.00*	

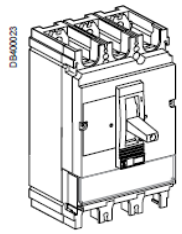
Note: For new EZC400/630 accessories, please refer to product catalogue

EZC630N/H 3P/4P

unit price (excl. GST in Singapore Dollars)

EasyPact EZC630N 3P 36 kA 400/415 V

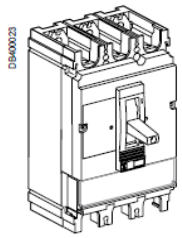
With thermal magnetic trip unit



Rating	3P 3t	Price (S$)
400A	EZC630N3400N	*1,082.50*
500A	EZC630N3500N	*1,139.50*
630A	EZC630N3630N	*1,139.50*

EasyPact EZC630H 3P 50 kA 400/415 V

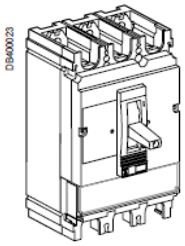
With thermal magnetic trip unit



Rating	3P 3t	Price (S$)
400A	EZC630H3400N	*1,459.00*
500A	EZC630H3500N	*1,210.00*
630A	EZC630H3630N	*1,210.00*

EasyPact EZC630N 4P 36 kA 400/415 V

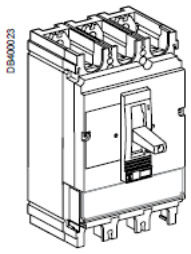
With thermal magnetic trip unit



Rating	4P 3t	Price (S$)	
500A	EZC630N4500N	*2,383.00*	
630A	EZC630N4630N	*1,551.00*	

EasyPact EZC630H 4P 50 kA 400/415 V

With thermal magnetic trip unit



Rating	4P 3t	Price (S$)	
400A	EZC630H4400N	*2,550.00*	
500A	EZC630H4500N	*1,618.00*	
630A	EZC630H4630N	*1,618.00*	

Note: For new EZC400/630 accessories, please refer to product catalogue

Easypact CVS100/160/250B: Complete fixed/FC device 25 kA 380/415V

unit price (excl. GST in Singapore Dollars)

EasyPact CVS 100/160/250B

With TM-D thermal-magnetic trip unit

EasyPact CVS100B (25 kA at 380/415V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**
TM16D	LV510300	*188.50*	LV510310	*235.00*
TM25D	LV510301	*188.50*	LV510311	*235.00*
TM32D	LV510302	*188.50*	LV510312	*235.00*
TM40D	LV510303	*188.50*	LV510313	*235.00*
TM50D	LV510304	*188.50*	LV510314	*235.00*
TM63D	LV510305	*188.50*	LV510315	*235.00*
TM80D	LV510306	*188.50*	LV510316	*235.00*
TM100D	LV510307	*188.50*	LV510317	*235.00*
EasyPact CVS160B (25 kA at 380/415V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**
TM100D	LV516301	*264.50*	LV516311	*478.50*
TM125D	LV516302	*264.50*	LV516312	*390.00*
TM160D	LV516303	*264.50*	LV516313	*390.00*
EasyPact CVS250B (25 kA at 380/415V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**
TM160D	LV525301	*448.50*		
TM200D	LV525302	*448.50*	LV525312	*619.50*
TM250D	LV525303	*448.50*	LV525313	*619.50*

CVS100/160/250F / NA: Complete fixed/FC device
36 kA 380/415V / NA

unit price (excl. GST in Singapore Dollars)

B

EasyPact CVS100/160/250F

With TM-D thermal-magnetic trip unit

EasyPact CVS100F (36 kA at 380/415V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**
TM16D	LV510330	*222.50*	LV510340	*339.00*
TM25D	LV510331	*222.50*	LV510341	*339.00*
TM32D	LV510332	*222.50*	LV510342	*339.00*
TM40D	LV510333	*222.50*	LV510343	*339.00*
TM50D	LV510334	*222.50*	LV510344	*339.00*
TM63D	LV510335	*222.50*	LV510345	*339.00*
TM80D	LV510336	*222.50*	LV510346	*339.00*
TM100D	LV510337	*222.50*	LV510347	*339.00*
EasyPact CVS160F (36 kA at 380/415V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**
TM100D	LV516331	*318.00*	LV516341	*448.50*
TM125D	LV516332	*318.00*	LV516342	*448.50*
TM160D	LV516333	*318.00*	LV516343	*448.50*
EasyPact CVS250F (36 kA at 380/415V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**
TM160D	LV525331	*485.50*	LV525341	*878.00*
TM200D	LV525332	*485.50*	LV525342	*592.00*
TM250D	LV525333	*485.50*	LV525343	*592.00*

EasyPact CVS100/160/250F

With MA magnetic trip unit

EasyPact CVS100F (36 kA at 380/415V)		
Rating	**3P 3d**	**Price (S$)**
MA2.5	LV510440	*311.50*
MA6.3	LV510441	*311.50*
MA12.5	LV510442	*311.50*
MA25	LV510443	*311.50*
MA50	LV510444	*311.50*
MA100	LV510445	*311.50*
EasyPact CVS160F (36 kA at 380/415V)		
Rating	**3P 3d**	**Price (S$)**
MA100	LV516439	*376.00*
MA150	LV516440	*399.00*
EasyPact CVS250F (36 kA at 380/415V)		
Rating	**3P 3d**	**Price (S$)**
MA220	LV525439	*512.00*

EasyPact CVS100/160/250NA switch-disconnector

With NA switch-disconnector unit

EasyPact CVS100NA				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
100	LV510425	*219.50*	LV510426	*310.50*
EasyPact CVS160NA				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
160	LV516425	*289.50*	LV516426	*379.50*
EasyPact CVS250NA				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
250	LV525425	*410.00*	LV525426	*582.00*

CVS100/160/250N : Complete fixed/FC device
50 kA 380/415V / NA

unit price (excl. GST in Singapore Dollars)

EasyPact CVS100/160/250N

With TM-D thermal-magnetic trip unit

EasyPact CVS100N (50 kA at 380/415V)				
Rating	**3P 3d**		**4P 3d**	
TM16D	LV510470	*316.00*	LV510480	*607.00*
TM25D	LV510471	*316.00*	LV510481	*495.50*
TM32D	LV510472	*316.00*	LV510482	*495.50*
TM40D	LV510473	*316.00*	LV510483	*495.50*
TM50D	LV510474	*316.00*	LV510484	*495.50*
TM63D	LV510475	*316.00*	LV510485	*495.50*
TM80D	LV510476	*316.00*	LV510486	*495.50*
TM100D	LV510477	*316.00*	LV510487	*495.50*
EasyPact CVS160N (50 kA at 380/415V)				
Rating	**3P 3d**		**4P 3d**	
TM125D	LV516462	*444.00*	LV516467	*765.50*
TM160D	LV516463	*444.00*	LV516468	*765.50*
EasyPact CVS250N (50 kA at 380/415V)				
Rating	**3P 3d**		**4P 3d**	
TM200D	LV525452	*765.50*	LV525457	*1,330.50*
TM250D	LV525453	*765.50*	LV525458	*1,330.50*

EasyPact CVS100/160/250N

With MA magnetic trip unit

EasyPact CVS100N (50 kA at 380/415V)		
Rating	**3P 3d**	
MA2.5	LV510450	*418.00*
MA6.3	LV510451	*418.00*
MA12.5	LV510452	*418.00*
MA25	LV510453	*418.00*
MA50	LV510454	*418.00*
MA100	LV510455	*418.00*
EasyPact CVS160N (50 kA at 380/415V)		
Rating	**3P 3d**	
MA150	LV516451	*547.50*
EasyPact CVS250N (50 kA at 380/415V)		
Rating	**3P 3d**	
MA220	LV525442	*868.00*

CVS100/160/250B/F/N
ETS 2.2 electronic trip unit

unit price (excl. GST in Singapore Dollars)

B

EasyPact CVS100/160/250B

ETS 2.2 electronic trip unit (Ls_0I protection)

EasyPact CVS100B (25 kA at 380/415V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**
40	LV510550	*441.00*	LV510580	*526.00*
100	LV510551	*441.00*	LV510581	*526.00*
EasyPact CVS160B (25 kA at 380/415V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**
160	LV516505	*506.00*	LV516508	*688.00*
EasyPact CVS250B (25 kA at 380/415V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**
250	LV525505	*694.00*	LV525508	*947.00*

EasyPact CVS100/160/250F

ETS 2.2 electronic trip unit (Ls_0I protection)

EasyPact CVS100F (36 kA at 380/415V)				
Rating	**3P 3d**	**Price (S$)**		
40	LV510552	*499.00*	LV510582	*684.50*
100	LV510553	*499.00*	LV510583	*684.50*
EasyPact CVS160F (36 kA at 380/415V)				
Rating	**3P 3d**	**Price (S$)**		
160	LV516506	*583.00*	LV516509	*795.00*
EasyPact CVS250F (36 kA at 380/415V)				
Rating	**3P 3d**	**Price (S$)**		
250	LV525506	*818.00*	LV525509	*944.00*

EasyPact CVS100/160/250N

ETS 2.2 electronic trip unit (Ls_0I protection)

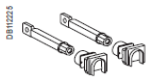
EasyPact CVS100N (50 kA at 380/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
40	LV510554	*693.00*	LV510584	*831.50*
100	LV510555	*693.00*	LV510585	*831.50*
EasyPact CVS160N (50 kA at 380/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
160	LV516507	*822.00*	LV516510	*1,038.50*
EasyPact CVS250N (50 kA at 380/415V)				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
250	LV525507	*1,038.50*	LV525510	*1,469.00*

Accessories for CVS100/160/250

unit price (excl. GST in Singapore Dollars)

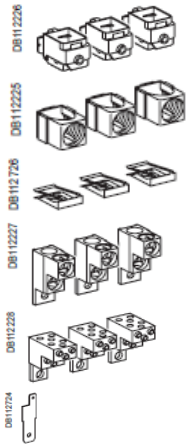
Connection accessories (Cu or Al)

Rear connections



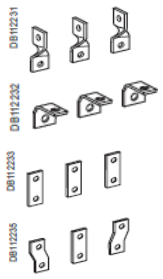
		Price (S$)
Set of 2 short	LV429235	*70.00*
Set of 2 long	LV429236	*100.00*

Bare cable connectors



				Price (S$)
Steel connectors	1 x (1.5 to 95 mm²) ; ≤ 160 A	Set of 3	LV429242	*36.50*
		Set of 4	LV429243	*47.00*
Aluminium connectors	1 x (25 to 95 mm²) ; ≤ 250 A	Set of 3	LV429227	*78.50*
		Set of 4	LV429228	*104.50*
	1 x (120 to 185 mm²) ; ≤ 250 A	Set of 3	LV429259	*78.50*
		Set of 4	LV429260	*104.50*
Clips for connectors		Set of 10	LV429241	*31.00*
Aluminium connectors for 2 cables (1)	2 x (50 to 120 mm²) ; ≤ 250 A	Set of 3	LV429218	*136.50*
		Set of 4	LV429219	*177.50*
Aluminium connectors [(1)] for 6 cables	6 x (1.5 to 35 mm²) ; ≤ 250 A	Set of 3	LV429248	*232.00*
		Set of 4	LV429249	*309.00*
6.35 mm voltage tap for steel or aluminium connectors		Set of 10	LV429348	*42.50*

Terminal extensions



			Price (S$)
Edgewise terminal extensions (1)	Set of 3	LV429308	*61.00*
	Set of 4	LV429309	*78.50*
Right-angle terminal extensions (1)	Set of 3	LV429261	*50.00*
	Set of 4	LV429262	*67.50*
Straight terminal extensions (1)	Set of 3	LV429263	*41.50*
	Set of 4	LV429264	*54.00*
Spreaders from 35 to 45 mm pitch (1)	3P	LV431563	*42.50*
	4P	LV431564	*56.50*

(1) *Supplied with 2 or 3 interphase barriers.*

Accessories for CVS100/160/250

unit price (excl. GST in Singapore Dollars)

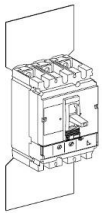
Crimp lugs for copper cable (1)

			Price (S$)
For cable 120 mm²	Set of 3	LV429252	*94.50*
	Set of 4	LV429256	*126.50*
For cable 150 mm²	Set of 3	LV429253	*113.50*
	Set of 4	LV429257	*152.00*
For cable 185 mm²	Set of 3	LV429254	*136.50*
	Set of 4	LV429258	*182.00*

Crimp lugs for aluminium cable (1)

			Price (S$)
For cable 150 mm²	Set of 3	LV429504	*262.00*
	Set of 4	LV429505	*284.50*
For cable 185 mm²	Set of 3	LV429506	*313.50*
	Set of 4	LV429507	*314.50*

Insulation accessories

			Price (S$)
1 short terminal shield for breaker	3P	LV429515	*20.50*
	4P	LV429516	*20.50*
1 long terminal shield for breaker	3P	LV429517	*25.50*
	4P	LV429518	*31.50*
Interphase barriers for breaker	Set of 6	LV429329	*26.50*
 2 insulating screens for breaker (45 mm pitch)	3P	LV429330	*40.00*
	4P	LV429331	*35.00*

(1) Supplied with 2 or 3 interphase barriers.

Accessories for CVS100/160/250

unit price (excl. GST in Singapore Dollars)

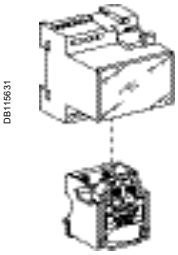
Electrical auxiliaries

Auxiliary contacts (changeover)

		Price (S$)
OF or SD or SDE or SDV	29450	*51.50*
OF or SD or SDE or SDV low level	29452	*72.50*
SDE adapter, mandatory for trip unit TM, MA	LV429451	*23.50*

Voltage releases

	Voltage	MX (shunt)	Price (S$)	MN (undervoltage)	Price (S$)
AC	24 V 50/60 Hz	LV429384	*135.00*	LV429404	*183.50*
	48 V 50/60 Hz	LV429385	*135.00*	LV429405	*183.50*
	110-130 V 50/60 Hz	LV429386	*135.00*	LV429406	*183.50*
	220-240 V 50/60 Hz and 208-277 V 60 Hz	LV429387	*135.00*	LV429407	*183.50*
	380-415 V 50 Hz and 440-480 V 60 Hz	LV429388	*135.00*	LV429408	*183.50*
DC	12 V	LV429382	*135.00*	LV429402	*183.50*
	24 V	LV429390	*135.00*	LV429410	*183.50*
	30 V	LV429391	*135.00*	LV429411	*314.00*
	48 V	LV429392	*135.00*	LV429412	*183.50*
	60 V	LV429383	*172.50*	LV429403	*241.50*
	125 V	LV429393	*135.00*	LV429413	*183.50*
	250 V	LV429394	*135.00*	LV429414	*183.50*



MN 48 V 50/60 Hz with fixed time delay

			Price (S$)
Composed of:	MN 48 V DC	LV429412	*183.50*
	Delay unit 48 V 50/60 Hz	LV429426	*401.50*

MN 220-240 V 50/60 Hz with fixed time delay

			Price (S$)
Composed of:	MN 250 V DC	LV429414	*183.50*
	Delay unit 220-240 V 50/60 Hz	LV429427	*285.50*

Accessories for CVS100/160/250

unit price (excl. GST in Singapore Dollars)

Motor mechanism

Motor mechanism module supplied with SDE adapter (Factory assembled only. Order separately is strictly prohibited.)

New!

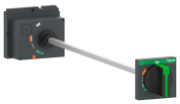
	Voltage	MT100/250	Price (S$)	MT400/630	Price (S$)
AC	400 V	LV435002	*672.00*	LV435005	*894.00*
AC / DC	110-230 V	LV435001	*782.00*	LV435010	*1,116.00*

Rotary handles

Direct rotary handle

		Price (S$)
With black handle	LV429337	*90.00*

Extended rotary handle



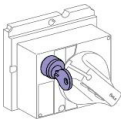
		Price (S$)
With black handle	LV429338	*146.00*

Locks

Toggle locking device for 1 to 3 padlocks

		Price (S$)
By removable device	29370	*22.00*
By fixed device	29371	*46.00*

Locking of rotary handle



			Price (S$)
Keylock adapter (keylock not included)		LV429344	*31.50*
Keylock (keylock adapter not included)	Ronis 1351B.500	41940	*109.50*
	Profalux KS5 B24 D4Z	42888	*199.00*

Locking of motor mechanism module

		Price (S$)
Keylock adapter + Ronis keylock (special)	LV429449	*104.50*

Accessories for CVS100/160/250

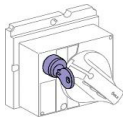
unit price (excl. GST in Singapore Dollars)

Interlocking

Mechanical interlocking for circuit breakers

		Price (S$)
With rotary handles	LV429369	*315.00*

Interlocking with key (2 keylocks / 1 key) for rotary handles



			Price (S$)
Keylock kit (keylock not included)	for only one device	LV429344	*31.50*
1 set of 2 keylocks	Ronis 1351B.500	41950	*224.50*
(1 key only, keylock kit not included)	Profalux KS5 B24 D4Z	42878	*587.50*

Installation accessories

Front-panel escutcheons

		Price (S$)
IP40 toggle escutcheon (small cut-out)	29315	*22.00*
IP40 escutcheon for Rotary handle	LV429317	*62.00*
IP40 escutcheon for Vigi module	LV429316	*28.50*

Lead-sealing accessories

		Price (S$)
Bag of accessories	LV429375	*40.00*

Din rail adapter

		Price (S$)
1 adapter	LV429305	*82.00*

Spare parts

		Price (S$)
10 spare toggle extensions	LV429313	*55.00*
Bag of screws	LV429312	*18.00*
1 set of 10 identification labels	LV429226	*23.50*

CVS400/630 : Complete fixed/FC device 36/50kA 380/415V

unit price (excl. GST in Singapore Dollars)

EasyPact CVS400/630F

With TM-D thermal-magnetic trip unit

EasyPact CVS4000F (36 kA at 380/415V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**
TM320D	LV540305	*619.50*	LV540308	*745.00*
TM400D	LV540306	*617.50*	LV540309	*745.00*
EasyPact CVS630F (36 kA at 380/415V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**
TM500D	LV563305	*1,113.00*	LV563308	*1,508.50*
TM630D	LV563307	*1,092.00*	LV563310	*1,508.50*

EasyPact CVS400/630N

With TM-D thermal-magnetic trip unit

EasyPact CVS400N (50 kA at 380/415V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**
TM320D	LV540315	*620.50*	LV540318	*797.00*
TM400D	LV540316	*613.00*	LV540319	*797.00*
EasyPact CVS630N (50 kA at 380/415V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**
TM500D	LV563315	*1,178.50*	LV563318	*1,625.00*
TM630D	LV563317	*1,158.00*	LV563320	*1,625.00*

EasyPact CVS400/630F/N

With ETS 2.3 electronic trip unit (LS_0I protection)

EasyPact CVS400/630F (36 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**
CVS400F 400A	LV540505	*759.00*	LV540506	*1,231.50*
CVS630F 630A	LV563505	*1,302.50*	LV563506	*1,764.00*
EasyPact CVS400/630N (50 kA at 380/415 V)				
Rating	**3P 3d**	**Price (S$)**	**4P 3d**	**Price (S$)**
CVS400N 400A	LV540510	*925.50*	LV540511	*1,441.00*
CVS630N 630A	LV563510	*1,378.00*	LV563511	*1,902.00*

EasyPact CVS400/630F/N

With MA thermal-magnetic trip unit

EasyPact CVS400F (36 kA at 380/415V)		
Rating	**3P 3d**	**Price (S$)**
MA320	LV540550	*632.50*
EasyPact CVS630F (36 kA at 380/415V)		
Rating	**3P 3d**	**Price (S$)**
MA500	LV563550	*1,133.00*
EasyPact CVS400N (50 kA at 380/415V)		
Rating	**3P 3d**	**Price (S$)**
MA320	LV540552	*658.50*
EasyPact CVS630N (50 kA at 380/415V)		
Rating	**3P 3d**	**Price (S$)**
MA500	LV563552	*1,173.50*

EasyPact CVS400/630 NA switch-disconnector

With NA switch-disconnector unit

EasyPact CVS400NA				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
400A	LV540400	*541.00*	LV540401	*670.00*
EasyPact CVS630NA				
Rating	**3P**	**Price (S$)**	**4P**	**Price (S$)**
600A	LV563400	*1,010.00*	LV563401	*1,367.50*

CVS400/630H : Complete fixed/FC device
70 kA 380/415V / NA

unit price (excl. GST in Singapore Dollars)

EasyPact CVS400H

With TM-D thermal-magnetic trip unit

EasyPact CVS400H (70 kA at 380/415V)				
Rating	**3P 3d**		**4P 3d**	
TM32D	LV540325	*977.00*	LV540328	*1,716.00*
TM40D	LV540326	*990.00*	LV540329	*1,791.50*

EasyPact CVS630H

With TM-D thermal-magnetic trip unit

EasyPact CVS630H (70 kA at 380/415V)				
Rating	**3P 3d**		**4P 3d**	
TM50D	LV563325	*1,035.50*	LV563328	*1,797.00*
TM63D	LV563327	*1,137.50*	LV563330	*1,481.50*

Accessories for CVS400/630
Connection

unit price (excl. GST in Singapore Dollars)

Connection accessories (Cu or Al)

Rear connections

		Price (S$)
Set of 2 short	LV432475	*119.50*
Set of 2 long	LV432476	*192.50*

Bare cable connectors (1)

				Price (S$)
Aluminium connectors	1 x (35 to 300 mm²)	Set of 3	LV432479	*144.50*
		Set of 4	LV432480	*193.50*
Aluminium connectors for 2 cables	2 x (35 to 240 mm²)	Set of 3	LV432481	*302.00*
		Set of 4	LV432482	*375.00*
6.35 mm voltage tap for steel or aluminium connectors		Set of 10	LV429348	*42.50*

Terminal extensions (1)

			Price (S$)
Edgewise terminal extensions	Set of 3	LV432486	*267.50*
	Set of 4	LV432487	*354.00*
Right-angle terminal extensions	Set of 3	LV432484	*133.00*
	Set of 4	LV432485	*181.00*

Crimp lugs for copper cable (1)

			Price (S$)
For cable 240 mm²	Set of 3	LV432500	*165.00*
	Set of 4	LV432501	*218.00*
For cable 300 mm²	Set of 3	LV432502	*231.50*
	Set of 4	LV432503	*252.00*

Crimp lugs for aluminium cable (1)

			Price (S$)
For cable 240 mm²	Set of 3	LV432504	*377.00*
	Set of 4	LV432505	*406.50*
For cable 300 mm²	Set of 3	LV432506	*643.00*
	Set of 4	LV432507	*700.50*

(1) Supplied with 2 or 3 interphase barriers.

Accessories for CVS400/630
Insulation

unit price (excl. GST in Singapore Dollars)

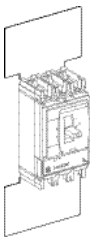
Insulation accessories

			Price (S$)
Short terminal shield, 45 mm (1 piece)	3P	LV432591	*23.50*
	4P	LV432592	*34.00*

Long terminal shield, 45 mm (1 piece)	3P	LV432593	*48.50*
	4P	LV432594	*62.00*

Long terminal shield for spreaders, 52.5 mm (1 piece) (supplied with insulating plate)	3P	LV432595	*83.00*
	4P	LV432596	*101.00*

Interphase barriers	Set of 6	LV432570	*38.00*



DB115628

2 insulating screens (70 mm pitch)	3P	LV432578	*50.50*
	4P	LV432579	*75.00*

Accessories for CVS400/630
Electrical auxiliaries

unit price (excl. GST in Singapore Dollars)

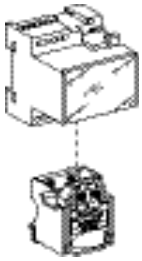
Electrical auxiliaries

Auxiliary contacts (changeover)

		Price (S$)
OF or SD or SDE or SDV	29450	*51.50*
OF or SD or SDE or SDV low level	29452	*72.50*
SDE adapter, mandatory for trip unit TM, MA and ETS2.3	LV540050	*18.00*

Voltage releases

	Voltage	MX (shunt)	Price (S$)	MN (undervoltage)	Price (S$)
AC	24 V 50/60 Hz	LV429384	*135.00*	LV429404	*183.50*
	48 V 50/60 Hz	LV429385	*135.00*	LV429405	*183.50*
	110-130 V 50/60 Hz	LV429386	*135.00*	LV429406	*183.50*
	220-240 V 50/60 Hz and 208-277 V 60 Hz	LV429387	*135.00*	LV429407	*183.50*
	380-415 V 50 Hz and 440-480 V 60 Hz	LV429388	*135.00*	LV429408	*183.50*
DC	12 V	LV429382	*135.00*	LV429402	*183.50*
	24 V	LV429390	*135.00*	LV429410	*183.50*
	30 V	LV429391	*135.00*	LV429411	*314.00*
	48 V	LV429392	*135.00*	LV429412	*183.50*
	60 V	LV429383	*172.50*	LV429403	*241.50*
	125 V	LV429393	*135.00*	LV429413	*183.50*
	250 V	LV429394	*135.00*	LV429414	*183.50*



MN 48 V 50/60 Hz with fixed time delay

			Price (S$)
Composed of:	MN 48 V DC	LV429412	*183.50*
	Delay unit 48 V 50/60 Hz	LV429426	*401.50*

MN 220-240 V 50/60 Hz with fixed time delay

			Price (S$)
Composed of:	MN 250 V DC	LV429414	*183.50*
	Delay unit 220-240 V 50/60 Hz	LV429427	*285.50*

(1) Discount code is 12

Motor mechanism

Motor mechanism module (Factory assembled only. Order separately is strictly prohibited).

	Voltage	MT400-630	Price (S$)
AC	48-60 V 50/60 Hz	LV432639	*1,556.00*
	110-130 V 50/60 Hz	LV432640	*1,556.00*
	220-240 V 50/60 Hz and 208-277 V 60 Hz	LV432641	*1,556.00*
	380-415 V 50 Hz	LV432642	*1,556.00*
	440-480 V 60 Hz	LV432647	*1,701.00*
DC	24-30 V	LV432643	*1,701.00*
	48-60 V	LV432644	*1,701.00*
	110-130 V	LV432645	*1,701.00*
	250 V	LV432646	*1,701.00*
Operation counter		LV432648	*397.00*

Accessories for CVS400/630
Rotary handle & Locks

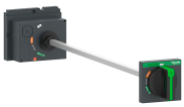
unit price (excl. GST in Singapore Dollars)

Rotary handles

Direct rotary handle

		Price (S$)
With black handle	LV432597	*140.50*

Extended rotary handle



		Price (S$)
With black handle	LV432598	*216.50*

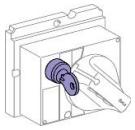
Locks

Toggle locking device for 1 to 3 padlocks

		Price (S$)
By removable device	29370	*22.00*

By fixed device	32631	*69.00*

Locking of rotary handle



			Price (S$)
Keylock adapter (keylock not included)		LV432604	*48.50*
Keylock (keylock adapter not included)	Ronis 1351B.500	41940	*109.50*
	Profalux KS5 B24 D4Z	42888	*199.00*

Accessories for CVS400/630
Interlocking & Installation accessories

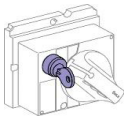
unit price (excl. GST in Singapore Dollars)

Interlocking

Mechanical interlocking for circuit breakers

		Price (S$)
With rotary handles	LV432621	*381.50*

Interlocking with key (2 keylocks / 1 key) for rotary handles



			Price (S$)
Keylock kit (keylock not included)	For only 1 device.	LV432604	*48.50*
1 set of 2 keylocks	Ronis 1351B.500	41950	*224.50*
(1 key only, keylock kit not included)	Profalux KS5 B24 D4Z	42878	*587.50*

Installation accessories

Front-panel escutcheons

		Price (S$)
IP40 toggle escutcheon (small cut-out)	32556	*46.00*
IP40 escutcheon for all control types	LV432558	*70.00*
IP40 escutcheon for Vigi module	LV429316	*28.50*

Lead-sealing accessories

		Price (S$)
Bag of accessories	LV429375	*40.00*

Spare parts

		Price (S$)
5 spare toggle extensions	LV432553	*77.00*
Bag of screws	LV432552	*22.00*
1 set of 10 identification labels	LV429226	*23.50*

Circuit breakers and switch-disconnectors

Compact NSX100 to 630 C1

Compact NS630b to NS1600 C2

Masterpact MTZ circuit breakers C3

Transfer Switches

GoPact MTS Manual Transfer Switch C4 - C5

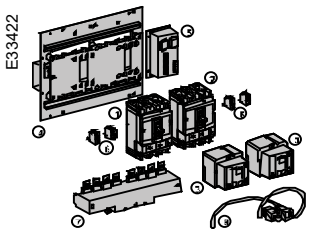
TransferPact ATS Automatic Transfer Switch C6 - C8

Compact NSX100 to 630

unit price (excl. GST in Singapore Dollars)

Typical composition of source changeover for Compact NSX100 to 630

Remote controlled source changeover



Complete assembly consists of below components only:

1 normal device N (1) breaker
+ 1 replacement device R (2)
+ 2 remote controls (motor mechanism module (3) 220-240V/50Hz
+ 1 plate with interlocking (4) with IVE (5) and its wiring (8)
+ auxilary switches (6) 2 x (1 OF + 1 SDE) for Compact NSX100...630
+ Shunt trip for Compact NSX 100…630 220-240V/50Hz

IVE voltages and remote controls are identical.

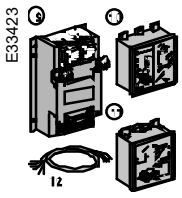
Complete assembly (1)

		NSX…B (25kA at 415Vac)		NSX…F (36kA at 415Vac)		NSX…N (50kA at 415Vac)		NSX…H (70kA at 415Vac)	
		3P 3d	4P 4d	3P 3d	4P 4d	3P 3d	4P 4d	3P 3d	4P 4d
		Price (S$)	Price (S$)	Price (S$)	Price (S$)	Price (S$)	Price (S$)	Price (S$)	Price (S$)
100A	TM100D	*POA*	*4,381.00*	*4,128.50*	*4,411.00*	*4,242.50*	*4,669.00*	*4,348.50*	*4,948.50*
160A	TM160D	*POA*	*POA*	*4,439.00*	*5,023.50*	*4,566.00*	*5,349.00*	*4,692.00*	*5,599.50*
250A	TM250D	*POA*	*POA*	*5,041.50*	*6,118.00*	*5,349.00*	*6,722.00*	*5,704.50*	*7,282.50*
400A	Micrologic 2.3			*7,905.50*	*9,079.50*	*8,586.50*	*10,789.00*	*8,659.00*	*11,839.50*
630A	Micrologic 2.3			*9,286.00*	*10,836.00*	*9,133.50*	*12,872.00*	*9,724.00*	*14,193.50*

		NA type	
		3P 3d	4P 4d
		Price (S$)	Price (S$)
100A	100	*4,173.00*	*4,411.00*
160A	160	*4,596.50*	*4,984.50*
250A	250	*5,147.00*	*6,001.00*
400A	400	*7,845.00*	*8,815.50*
630A	630	*9,000.00*	*10,691.00*

(1) Others Compact NSX100 to 630 breakers, please consult our CustomerCare Centre or your respective Sales Office.

Associated control unit



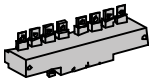
1 source changeover without associated control unit
+ 1 ACP (9) with BA control unit (10)
Or + 1 ACP (9) with UA control unit (11)
Or + 1 ACP (9) with UA150 control unit (11)

Control unit option	220/240 V AC 50/60 Hz		380/415 V AC 50/60 Hz	
	Reference	Price (S$)	Reference	Price (S$)
ACP + control unit BA *(2)*	**29470**	*2,360.50*	**29471**	*2,337.00*
ACP + control unit UA *(2)*	**29472**	*2,926.50*	**29473**	*2,926.50*

(2) The supply voltages BA/UA control unit, ACP plate, IVE and the remote control must be identical whatever the source changeover type.

Connection accessories

Downstream coupling accessories option



Source "normal"/source "replacement"			3P		4P	
			Reference	Price (S$)	Reference	Price (S$)
NSX100...250/NSX100...250	250 A	250 A	**LV429358**	*644.10*	**LV429359**	*792.60*
NSX400...630/NSX400...630	630 A	630 A	**LV432619**	*867.40*	**LV432620**	*1,012.00*

Terminal shields

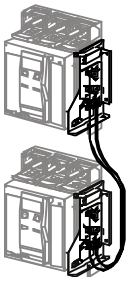
	Reference	Price (S$)	Reference	Price (S$)
1 Short	**LV429516**	*20.50*	**LV432592**	*34.00*
1 Long	**LV429518**	*31.50*	**LV432594**	*62.00*
Long for 52.5 mm spreader			**LV432596**	*101.00*

unit price (excl. GST in Singapore Dollars)

Typical composition of source changeover for Compact NS630b to 1600

Interlocking using cables for Compact motorise-operated devices

E72942



1 normal motorised breaker with Micrologic 2.0 A control unit or switch-disconnector
+ 1 replacement motorised breaker with Micrologic 2.0 A control unit or switch-disconnector
+ Interlocking using cables for Compact motorised devices
+ auxilary switches
2 x (1 OF + 1 SDE) for Compact NS630b…1600

Additional equipped for drawout:
+ connected position changeover contact (carriage switch) on each devices

Price includes motorised mechanism. Select the reference number from the respective devices.

C

Complete assembly (1)

		Fixed		Drawout	
		3P	4P	3P	4P
N Type 50kA at 220/415Vac					
		Price (S$)	**Price (S$)**	**Price (S$)**	**Price (S$)**
With Compact NS630bN	630 - 630	*15,917.50*	*18,432.50*	*25,807.00*	*26,322.50*
With Compact NS800N	800 - 800	*16,242.00*	*18,755.50*	*23,257.50*	*26,929.50*
With Compact NS1000N	1000 - 1000	*16,600.00*	*19,439.50*	*23,849.00*	*27,533.50*
With Compact NS1250N	1250 - 1250	*18,013.00*	*22,097.00*	*24,774.50*	*28,453.50*
With Compact NS1600N	1600 - 1600	*22,746.00*	*29,042.00*	*26,735.00*	*29,060.50*
H Type 70kA at 220/415Vac					
		Price (S$)	**Price (S$)**	**Price (S$)**	**Price (S$)**
With Compact NS630bH	630 - 630	*18,734.00*	*19,081.00*	*26,253.50*	*26,631.50*
With Compact NS800H	800 - 800	*16,891.50*	*22,541.00*	*23,560.00*	*27,227.00*
With Compact NS1000H	1000 - 1000	*19,194.00*	*23,493.00*	*28,106.50*	*32,655.00*
With Compact NS1250H	1250 - 1250	*21,904.00*	*28,526.50*	*25,080.00*	*28,751.50*
With Compact NS1600H	1600 - 1600	*28,835.50*	*45,070.50*	*27,434.00*	*35,820.50*
L Type 150kA at 220/415Vac					
		Price (S$)	**Price (S$)**	**Price (S$)**	**Price (S$)**
With Compact NS630bL	630 - 630	*28,297.00*	-	*29,759.50*	*32,841.50*
With Compact NS800L	800 - 800	*29,053.50*	*31,058.50*	*30,332.50*	*33,551.50*
With Compact NS1000L	1000 - 1000	*33,705.00*	*46,858.00*	*37,340.50*	*40,446.00*
NA Type switch-disconnector					
		Price (S$)	**Price (S$)**	**Price (S$)**	**Price (S$)**
With Compact NS630bNA	630 - 630	*17,648.00*	*20,819.00*	-	*24,953.00*
With Compact NS800NA	800 - 800	*15,357.50*	-	*24,357.00*	*26,173.50*
With Compact NS1000NA	1000 - 1000	*15,694.00*	-	*25,085.00*	*26,158.50*
With Compact NS1600NA	1600 - 1600	*21,572.00*	*28,469.00*	*28,132.50*	*31,707.50*

(1) Others Compact NS630b to 1600 breakers, please consult our CustomerCare Centre or your respective Sales Office.

Masterpact MTZ circuit breakers

unit price (excl. GST in Singapore Dollars)

Typical composition of source changeover for Masterpact MTZ

Interlocking using cables (*)

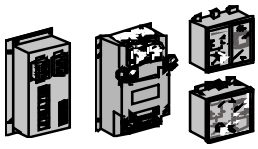
1 normal Masterpact MTZ breaker with Micrologic 2.0X control unit
+ 1 replacement Masterpact MTZ breaker with Micrologic 2.0X control unit
Horizontal connections for both top and bottom (MTZ63 has vertial connection option only)
+ Interlocking using cables for Masterpact MTZ devices
+ auxilary switches (4 OF + 1 SDE) for each devices
+ Electrical operating mechanism with gear motor, shunt trip, closing coil and ready to close contact (MCH + MX + XF + PF) on each devices.
+ 2 x operating counter CDM (1 at each breaker)
+ 2 x ON/OFF Pushbutton padlocking VBP (1 at each breaker)
Additional equipped for drawout:
+ chassis with safety shutters + arc chute cover + door frame

(*) Can be used with any combination of MTZ, fixed or drawout devices.

Complete assembly

	In (A at 40°C)	Icu/Ics (kA @ 220/415V)	Icw (1sec)	Icw (3sec)	Fixed		Drawout	
					3P	4P	3P	4P
Type N1								
					Price (S$)	**Price (S$)**	**Price (S$)**	**Price (S$)**
MTZ08	800	42	42	22	*20,422.50*	*23,293.50*	*25,261.50*	*29,750.50*
MTZ10	1000	42	42	22	*20,479.50*	*24,456.50*	*26,256.50*	*31,027.50*
MTZ12	1250	42	42	22	*21,954.50*	*25,647.50*	*27,419.50*	*32,502.50*
MTZ16	1600	42	42	22	*23,031.50*	*27,067.50*	*27,676.50*	*34,689.50*
Type H1								
					Price (S$)	**Price (S$)**	**Price (S$)**	**Price (S$)**
MTZ08	800	66	66	36	*20,166.50*	*23,943.50*	*25,468.50*	*29,540.50*
MTZ10	1000	66	66	36	*21,275.50*	*24,814.50*	*26,488.50*	*30,859.50*
MTZ12	1250	66	66	36	*22,322.50*	*26,941.50*	*27,699.50*	*32,352.50*
MTZ16	1600	66	66	36	*23,398.50*	*28,388.50*	*29,076.50*	*33,978.50*
MTZ20	2000	66	66	36	*23,868.50*	*31,334.50*	*31,034.50*	*35,370.50*
MTZ25	2500	66	66	66	*29,068.50*	*34,898.50*	*36,184.50*	*43,864.50*
MTZ32	3200	66	66	66	*32,707.50*	*39,551.50*	*39,966.50*	*48,588.50*
MTZ40	4000	66	66	66	*44,391.50*	*54,450.50*	*54,509.50*	*67,626.50*
MTZ40b	4000	100	100	100	*58,675.50*	*72,645.50*	*73,247.50*	*90,738.50*
MTZ50	5000	100	100	100	*88,391.50*	*110,689.50*	*111,189.50*	*138,246.50*
MTZ63	6300	100	100	100	*108,257.50*	*136,760.50*	*136,220.50*	*170,043.50*
Type H2								
					Price (S$)	**Price (S$)**	**Price (S$)**	**Price (S$)**
MTZ08	800	100	85	50	*22,112.50*	*26,799.50*	*28,398.50*	*33,717.50*
MTZ10	1000	100	85	50	*23,586.50*	*27,828.50*	*29,693.50*	*35,347.50*
MTZ12	1250	100	85	50	*25,533.50*	*30,332.50*	*31,183.50*	*37,283.50*
MTZ16	1600	100	85	50	*26,951.50*	*32,055.50*	*33,253.50*	*39,337.50*
MTZ20	2000	100	85	75	*27,036.50*	*35,150.50*	*35,313.50*	*41,584.50*
MTZ25	2500	100	85	75	*32,162.50*	*38,858.50*	*39,160.50*	*47,661.50*
MTZ32	3200	100	85	75	*36,908.50*	*44,826.50*	*45,161.50*	*55,527.50*
MTZ40	4000	100	85	75	*50,779.50*	*62,455.50*	*62,878.50*	*78,263.50*
MTZ40b	4000	150	100	100	*67,407.50*	*83,826.50*	*85,041.50*	*106,582.50*
MTZ50	5000	150	100	100	*102,363.50*	*129,116.50*	*129,013.50*	*162,091.50*
MTZ63	6300	150	100	100	*125,730.50*	*159,239.50*	*158,448.50*	*199,854.50*

Source changeover associated controller



The automatic-control option includes:
- an IVE electrical-interlocking unit
- an ACP auxiliaries control plate
- a BA or UA controller, depending on the required functions
- a UA/BA adapter kit.

Note: the circuit breaker auxiliaries (MCH, MX, XF) and the automatic-control components (IVE, ACP, UA or BA) must have the same voltages.

IVE electrical-interlocking unit	48/415 V AC 50/60 Hz	
	Reference	**Price (S$)**
For 2 devices	**29352**	*783.00*
Wiring kit for connection of 2 fixed/drawout devices to the IVE unit	**54655**	*445.50*

Control unit option (1)	220/240 V AC 50/60 Hz		380/415 V AC 50/60 Hz	
	Reference	**Price (S$)**	**Reference**	**Price (S$)**
ACP + control unit BA	**29470**	*2,360.50*	**29471**	*2,337.00*
ACP + control unit UA	**29472**	*2,926.50*	**29473**	*2,926.50*

(1) The supply voltages of the BA/UA controller, ACP plate, IVE unit and circuit breaker operating mechanism must be identical whatever the type of source-changeover system.

GoPact MTS Manual Transfer Switch

unit price (excl. GST in Singapore Dollars)

Typical composition of GoPact MTS

Accessories are part of the product delivery

630A Extended Handle GoPact MTS

Complete assembly consists of below components only:

1 Manual Transfer Switch
+ Inter-Phase Barrier
+ Output Shorting Link
+ Auxiliary Contact Kit
+ Source Separator
+ Terminal Shroud
+ Open Execution Shaft
+ Handle Kit / Handle

+ Castell Type Lock*

(*) Need to buy seperately (Optional)

Complete assembly

100A Extended Handle GoPact MTS

1250A Extended Handle GoPact MTS

	Medium Description	Frame	Rating	4P
Direct Rotary Handle				
				Price (S$)
GM10D4N0634BDE	Manual Transfer Switch 63 amps, 415VAC 50/60Hz	10	63	*POA*
GM10D4N1004BDE	Manual Transfer Switch 100 amps, 415VAC 50/60Hz	10	100	*POA*
Extended Rotary Handle				
				Price (S$)
GM10D4N0634BEE	Manual Transfer Switch 63 amps, 415VAC 50/60Hz	10	63	*571.60*
GM10D4N1004BEE	Manual Transfer Switch 100 amps, 415VAC 50/60Hz	10	100	*653.27*
GM20D4N1254BEE	Manual Transfer Switch 125 amps, 415VAC 50/60Hz	20	125	*918.69*
GM20D4N1604BEE	Manual Transfer Switch 160 amps, 415VAC 50/60Hz	20	160	*1,117.00*
GM20D4N2004BEE	Manual Transfer Switch 200 amps, 415VAC 50/60Hz	20	200	*1,262.00*
GM32D4N2504BEE	Manual Transfer Switch 250 amps, 415VAC 50/60Hz	32	250	*1,584.00*
GM32D4N3154BEE	Manual Transfer Switch 315 amps, 415VAC 50/60Hz	32	315	*1,852.50*
GM63D4N4004BEE	Manual Transfer Switch 400 amps, 415VAC 50/60Hz	63	400	*2,240.70*
GM63D4N6304BEE	Manual Transfer Switch 630 amps, 415VAC 50/60Hz	63	630	*2,499.50*
GM1AD4N6304BEE	Manual Transfer Switch 630 amps, 415VAC 50/60Hz	1A	630	*3,665.75*
GM1AD4N8004BEE	Manual Transfer Switch 800 amps, 415VAC 50/60Hz	1A	800	*5,471.00*
GM1AD4N10H4BEE	Manual Transfer Switch 1000 amps, 415VAC 50/60Hz	1A	1000	*6,058.50*
GM2AD4N12H4BEE	Manual Transfer Switch 1250 amps, 415VAC 50/60Hz	2A	1250	*7,497.05*
GM2AD4N16H4BEE	Manual Transfer Switch 1600 amps, 415VAC 50/60Hz	2A	1600	*10,176.10*
GM2AD4N20H4BEE	Manual Transfer Switch 2000 amps, 415VAC 50/60Hz	2A	2000	*19,069.05*

Accessories

		Frame	Rating	Price (S$)
Castell Type Lock				
GMSOTHCTL01A		10	63/100	*273.50*
GMSOTHCTL25A		20/32/63/1A	125/1000	*304.00*
GMSOTHCTL06A		2A	1250/2000	*330.50*

Spare Parts

	Medium Description	Frame	Rating	Price (S$)
Handle Kit				
GMSOTHOHK01	Operating handle, front rotary handle, IP2x, 63/100 A	10	63/100	*64.13*
GMSOTHOHK02	Operating handle, front rotary handle, IP2x, 125/200 A	20	125/200	*109.75*
GMSOTHOHK03	Operating handle, front rotary handle, IP2x, 250/315 A	32	250/315	*143.88*
GMSOTHOHK04	Operating handle, front rotary handle, IP2x, 400/630 A	63	400/630	*148.53*
GMSOTHOHK05	Operating handle, front rotary handle, IP2x, 630/1000 A	1A	630/1000	*251.35*
GMSOTHOHK06	Operating handle, front rotary handle, IP2x, 1250/2000 A	2A	1250/2000	*275.00*
Auxiliary Contact Kit				
GMSAUXCK01	2 NO/NC contacts, ON/OFF indication, 63/100 A	10	63/100	*54.11*
GMSAUXCK02	2 NO/NC contacts, ON/OFF indication, 125/200 A	20	125/200	*65.41*
GMSAUXCK03	2 NO/NC contacts, ON/OFF indication, 250/315 A	32	250/315	*74.00*
GMSAUXCK04	2 NO/NC contacts, ON/OFF indication, 400/630 A	63	400/630	*85.35*
GMSAUXCK05	2 NO/NC contacts, ON/OFF indication, 630/1000 A	1A	630/1000	*88.68*
GMSAUXCK06	2 NO/NC contacts, ON/OFF indication, 1250/2000 A	2A	1250/2000	*97.31*

GoPact MTS Manual Transfer Switch

unit price (excl. GST in Singapore Dollars)

Typical composition of GoPact MTS

Accessories are part of the product delivery

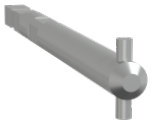
630A Extended Handle GoPact MTS

Complete assembly consists of below components only:

1 Manual Transfer Switch
+ Inter-Phase Barrier
+ Output Shorting Link
+ Auxiliary Contact Kit
+ Source Separator
+ Terminal Shroud
+ Open Execution Shaft
+ Handle Kit / Handle
+ Castell Type Lock*

(*) Need to buy seperately (Optional)

Spare Parts



	Medium Description	Frame	Rating	Price (S$)
Open Execution shaft				
GMSOTHOES01	Open execution shaft for operating handle, length 88.5mm, 63/100 A	10	63/100	*15.22*
GMSOTHOES02	Open execution shaft for operating handle, length 113mm, 125/200 A	20	125/200	*15.50*
GMSOTHOES03	Open execution shaft for operating handle, length 108mm, 250/315 A	32	250/315	*16.50*
GMSOTHOES04	Open execution shaft for operating handle, length 106mm, 400/630 A	63	400/630	*18.00*
GMSOTHOES05	Open execution shaft for operating handle, length 112mm, 630/1000 A	1A	630/1000	*24.00*
GMSOTHOES06	Open execution shaft for operating handle, length 75-175mm, 1250/2000 A	2A	1250/2000	*48.50*
Terminal Shroud				
GMSISOTS01	Terminal shrouds, set of 2, 63/100 A	10	63/100	*15.44*
GMSISOTS02	Terminal shrouds, set of 2, 125/200 A	20	125/200	*22.10*
GMSISOTS03	Terminal shrouds, set of 2, 250/315 A	32	250/315	*24.66*
GMSISOTS04	Terminal shrouds, set of 2, 400/630 A	63	400/630	*40.43*
GMSISOTS05	Terminal shrouds, set of 2, 630/1000 A	1A	630/1000	*43.50*
GMSISOTS06	Terminal shrouds, set of 2, 1250/1600 A	2A	1250/1600	*44.49*
GMSISOTS0620H	Terminal shrouds, set of 2, 2000A	2A	2000	*58.30*
Output Shorting Link				
GMSCONOSL01T	Output shorting link, top side, 63/100 A	10	63/100	*35.16*
GMSCONOSL01B	Output shorting link, bottom side, 63/100 A	10	63/100	*35.16*
GMSCONOSL02200	Output shorting link, 125/200 A	20	125/200	*61.60*
GMSCONOSL03315	Output shorting link, 250/315 A	32	250/315	*168.07*
GMSCONOSL04630	Output shorting link, 400/630 A	63	400/630	*237.50*
GMSCONOSL0510H	Output shorting link, 630/1000 A	1A	630/1000	*462.66*
GMSCONOSL0612H	Output shorting link, 1250A	2A	1250	*922.60*
GMSCONOSL0616H	Output shorting link, 1600A	2A	1600	*1,234.61*
GMSCONOSL0620H	Output shorting link, 2000A	2A	2000	*1,802.63*
Inter-phase barrier				
GMSISOPB02	Interphase barriers, set of 6, 125/200 A, 125/200 A	20	125/200	*37.87*
GMSISOPB03	Interphase barriers, set of 6, 250/315 A	32	250/315	*54.25*
GMSISOPB04	Interphase barriers, set of 6, 400/630 A	63	400/630	*62.15*
GMSISOPB05	Interphase barriers, set of 6, 630/1000 A	1A	630/1000	*68.20*
GMSISOPB06	Interphase barriers, set of 6, 1250/1600 A	2A	1250/1600	*71.50*
GMSISOPB0620H	Interphase barriers, set of 6, 2000A	2A	2000	*74.25*
Source seperator				
GMSISOSS02	Source separators, 125/200 A	20	125/200	*17.50*
GMSISOSS03	Source separators, 250/315 A	32	250/315	*18.50*
GMSISOSS04	Source separators, 400/630 A	63	400/630	*21.37*
GMSISOSS05	Source separators, 630/1000 A	1A	630/1000	*23.50*
GMSISOSS06	Source separators, 1250/1600 A	2A	1250/1600	*44.63*
GMSISOSS0620H	Source separators, 2000A	2A	2000	*56.50*

TransferPacT ATS Automatic Transfer Switch

unit price (excl. GST in Singapore Dollars)

Typical composition of TransferPacT Active ATS

1 LCD TransferPacT Automatic Active Transfer Switch

TPCDIO15

TPCCOM16

Complete assembly consists of below components only:

1 Automatic Transfer Switch
+ Automatic HMI / Automatic Active HMI Controller
+ Blanking Cover x 5
+ Function Module (TPCDIO15 BUS extension and 24Vdc auxiliary supply)
+ Function Module (TPCCOM16 Modbus RTU (Serial Port), plug-in)

To be purchased seperately:
+ Terminal Cover
+ Auxiliary Contact
+ Load Extension Bars
+ Function Modules
+ Terminal shield
+ IP54 Cover
+ Cables
+ External HMI

TransferPacT Automatic Active Transfer Switch

Frame	Rating	2P	Price	3P	Price	4P	Price
10	32	**TA10D2L0323TPE**	*2,426.90*	**TA10D3L0324TPE**	*2,318.10*	**TA10D4L0324TPE**	*2,330.30*
	40	**TA10D2L0403TPE**	*2,477.50*	**TA10D3L0404TPE**	*2,370.80*	**TA10D4L0404TPE**	*2,383.20*
	50	**TA10D2L0503TPE**	*2,530.20*	**TA10D3L0504TPE**	*2,426.00*	**TA10D4L0504TPE**	*2,438.70*
	63	**TA10D2L0633TPE**	*2,585.20*	**TA10D3L0634TPE**	*2,483.70*	**TA10D4L0634TPE**	*2,496.70*
	80	**TA10D2L0803TPE**	*2,642.70*	**TA10D3L0804TPE**	*2,544.30*	**TA10D4L0804TPE**	*2,557.60*
	100	**TA10D2L1003TPE**	*2,702.70*	**TA10D3L1004TPE**	*2,607.90*	**TA10D4L1004TPE**	*2,621.60*
16	80			**TA16D3L0804TPE**	*2,946.80*	**TA16D4L0804TPE**	*2,995.10*
	100			**TA16D3L1004TPE**	*3,080.80*	**TA16D4L1004TPE**	*3,131.30*
	125			**TA16D3L1254TPE**	*3,227.50*	**TA16D4L1254TPE**	*3,280.40*
	160			**TA16D3L1604TPE**	*3,388.80*	**TA16D4L1604TPE**	*3,444.40*
25	100			**TA25D3L1002TPE**	*5,872.30*	**TA25D4L1002TPE**	*6,080.00*
	200			**TA25D3L2004TPE**	*6,145.50*	**TA25D4L2004TPE**	*6,362.80*
	250 (208V)			**TA25D3L2502TPE**	*6,606.30*	**TA25D4L2502TPE**	*6,840.00*
	250			**TA25D3L2504TPE**	*6,606.40*	**TA25D4L2504TPE**	*6,840.00*
63	320			**TA63D3L3204TPE**	*9,273.00*	**TA63D4L3204TPE**	*9,970.40*
	400			**TA63D3L4004TPE**	*9,493.80*	**TA63D4L4004TPE**	*10,207.80*
	500			**TA63D3L5004TPE**	*9,725.40*	**TA63D4L5004TPE**	*10,456.80*
	630 (400V)			**TA63D3L6302TPE**	*9,968.40*	**TA63D4L6302TPE**	*10,718.20*
	630 (400/440V)			**TA63D3L6304TPE**	*9,968.50*	**TA63D4L6304TPE**	*10,718.20*
NEW 80	800(208V)			**TA80D3L8002TPE**	*12,364.80*	**TA80D4L8002TPE**	*13,440.00*
	800(400/440V)			**TA80D3L8004TPE**	*12,364.80*	**TA80D4L8004TPE**	*13,440.00*
NEW 1A	800			**TA1AD3L8004TPE**	*18,450.00*	**TA1AD4L8004TPE**	*20,500.00*
	1000			**TA1AD3L10H4TPE**	*19,125.00*	**TA1AD4L10H4TPE**	*21,250.00*
	1250			**TA1AD3L12H4TPE**	*19,696.50*	**TA1AD4L12H4TPE**	*21,885.00*
	1600			**TA1AD3L16H4TPE**	*20,601.00*	**TA1AD4L16H4TPE**	*22,890.00*

TransferPacT ATS Automatic Transfer Switch

unit price (excl. GST in Singapore Dollars)

Typical composition of TransferPacT ATS

63A 2P Rotary TransferPacT Automatic Transfer Switch

Complete assembly consists of below components only:

1 Automatic Transfer Switch
+ Automatic HMI / Automatic Active HMI Controller
+ Blanking Cover x 5

To be purchased seperately:
+ Terminal Cover
+ Auxiliary Contact
+ Load Extension Bars
+ Function Modules
+ Terminal shield

TransferPacT Automatic Transfer Switch

Frame	Rating	2P	Price	3P	Price	4P	Price
10	32	**TA10D2S0323TPE**	*2,018.80*	**TA10D3S0324TPE**	*1,873.70*	**TA10D4S0324TPE**	*1,885.80*
	40	**TA10D2S0403TPE**	*2,060.80*	**TA10D3S0404TPE**	*1,916.30*	**TA10D4S0404TPE**	*1,928.70*
	50	**TA10D2S0503TPE**	*2,104.70*	**TA10D3S0504TPE**	*1,960.80*	**TA10D4S0504TPE**	*1,973.50*
	63	**TA10D2S0633TPE**	*2,150.40*	**TA10D3S0634TPE**	*2,007.50*	**TA10D4S0634TPE**	*2,020.50*
	80	**TA10D2S0803TPE**	*2,198.20*	**TA10D3S0804TPE**	*2,056.50*	**TA10D4S0804TPE**	*2,069.80*
	100	**TA10D2S1003TPE**	*2,248.20*	**TA10D3S1004TPE**	*2,107.90*	**TA10D4S1004TPE**	*2,121.60*
16	80			**TA16D3S0804TPE**	*2,512.00*	**TA16D4S0804TPE**	*2,560.30*
	100			**TA16D3S1004TPE**	*2,626.20*	**TA16D4S1004TPE**	*2,676.70*
	125			**TA16D3S1254TPE**	*2,751.30*	**TA16D4S1254TPE**	*2,804.20*
	160			**TA16D3S1604TPE**	*2,888.80*	**TA16D4S1604TPE**	*2,944.40*
25	200			**TA25D3S2004TPE**	*5,680.40*	**TA25D4S2004TPE**	*5,897.70*
	250			**TA25D3S2504TPE**	*6,106.40*	**TA25D4S2504TPE**	*6,340.00*
63	320			**TA63D3S3204TPE**	*8,807.90*	**TA63D4S3204TPE**	*9,505.30*
	400			**TA63D3S4004TPE**	*9,017.60*	**TA63D4S4004TPE**	*9,731.60*
	500			**TA63D3S5004TPE**	*9,237.60*	**TA63D4S5004TPE**	*9,969.00*
	630			**TA63D3S6304TPE**	*9,468.40*	**TA63D4S6304TPE**	*10,218.20*
NEW 80	800			**TA80D3S8004TPE**	*11,864.80*	**TA80D4S8004TPE**	*12,940.00*

Typical composition of TransferPacT RTSE

630A 4P TransferPacT Remote Transfer Switch

Complete assembly consists of below components only:

1 Remote Transfer Switch
+ Blanking Cover x 5

To be purchased seperately:
+ Terminal Cover
+ Auxiliary Contact
+ Load Extension Bars
+ Function Modules
+ Terminal shield

TransferPacT Remote Transfer Switch

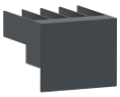
Frame	Rating	2P	Price	3P	Price	4P	Price
25	160			**TR25D3R1604TPE**	*5,023.30*	**TR25D4R1604TPE**	*5,218.40*
	200			**TR25D3R2004TPE**	*5,142.90*	**TR25D4R2004TPE**	*5,342.70*
	250 (208V)			**TR25D3R2502TPE**	*5,400.00*	**TR25D4R2502TPE**	*5,609.30*
	250 (400V)			**TR25D3R2504TPE**	*5,400.00*	**TR25D4R2504TPE**	*5,609.80*
63	320			**TR63D3R3204TPE**	*7,967.80*	**TR63D4R3204TPE**	*8,582.80*
	400			**TR63D3R4004TPE**	*8,157.50*	**TR63D4R4004TPE**	*8,787.20*
	500			**TR63D3R5004TPE**	*8,356.40*	**TR63D4R5004TPE**	*9,001.50*
	630 (208V)			**TR63D3R6302TPE**	*8,575.10*	**TR63D4R6302TPE**	*9,236.00*
	630 (400V)			**TR63D3R6304TPE**	*8,565.40*	**TR63D4R6304TPE**	*9,226.60*
NEW 80	800(208V)			**TR80D3R8002TPE**	*9,273.60*	**TR80D4R8002TPE**	*10,080.00*
	800(400/440V)			**TR80D3R8004TPE**	*9,273.60*	**TR80D4R8004TPE**	*10,080.00*

TransferPacT ATS Automatic Transfer Switch

unit price (excl. GST in Singapore Dollars)

Accessories

TPSISO29


TPSIS030

TPSCON35

TPSCON40

TPSCON48

TPSCON55

TPSCON57

TPSCON68

TPCCOM16

TPSAUX33

TPCCIF01

TPCOTH37

TPCCIF02

TPCCIF04

	Medium Description	Frame	Price (S$)
Barrier			
NEW **TPSISO29**	Interphase barrier, insulation accessory, set of 9	160	*104.39*
NEW **TPSISO65**	Interphase barriers for Frame 250A and 630A	250 - 630	*68.50*
NEW **TPSISO66**	Insulating screen for Frame 250A	250	*102.50*
NEW **TPSISO67**	Insulating screen for Frame 630A	630	*171.00*
NEW **TPSISO70**	Interphase barriers, insulation accessory, set of 3	1600	*POA*
Shield			
TPSISO30	Terminal shield, insulation accessory, set of 2	100	*104.39*
TPSISO31	Terminal shield, insulation accessory, set of 3	160	*104.39*
NEW **TPSISO42**	Terminal shield	630	*POA*
Connection Accessories			
TPSCON35	Busbar Load extension, set of 4	100	*368.00*
TPSCON36	Busbar Load extension, set of 4	160	*368.00*
TPSCON39	Spreaders, 4P	250	*144.72*
TPSCON40	Spreaders, 3P	630	*248.00*
TPSCON41	Spreaders, 4P, source side	630	*286.00*
TPSCON47	Aluminium connectors for 6 cables 1.5 to 35 mm², 3P	250	*495.00*
TPSCON48	Aluminium connectors for 6 cables 1.5 to 35 mm², 4P	250	*629.00*
TPSCON49	Aluminium connectors for 1 cable 120 to 240 mm², 3P	250	*330.00*
TPSCON50	Aluminium connectors for 1 cable 120 to 240 mm², 4P	250	*330.00*
TPSCON51	Aluminium connectors for 2 cables 50 to 120 mm², 3P	250	*345.41*
TPSCON52	Aluminium connectors for 2 cables 50 to 120 mm², 4P	250	*393.00*
TPSCON53	Aluminium connectors for 1 cable 35 to 300 mm², 3P	630	*216.00*
TPSCON54	Aluminium connectors for 1 cable 35 to 300 mm², 4P	630	*299.00*
TPSCON55	Edgewise terminal extensions, 3P	630	*376.00*
TPSCON56	Edgewise terminal extensions, 4P	630	*495.50*
TPSCON57	Crimp lugs for copper cable, 240 mm², 3P	630	*146.53*
TPSCON58	Crimp lugs for copper cable, 240 mm², 4P	630	*191.33*
TPSCON59	Crimp lugs for copper cable, 300 mm², 3P	630	*167.38*
TPSCON60	Crimp lugs for copper cable, 300 mm²,4P	630	*219.08*
TPSCON61	Crimp lugs for Aluminium cable, 240 mm²,3P	630	*283.24*
TPSCON62	Crimp lugs for Aluminium cable, 240 mm²,4P	630	*373.63*
TPSCON63	Crimp lugs for Aluminium cable, 300 mm²,3P	630	*503.91*
TPSCON64	Crimp lugs for Aluminium cable, 300 mm²,4P	630	*667.68*
TPSCON68	Spreaders, 4P (load side)	630	*273.00*
Function Modules			
TPCCOM16	Function module, Modbus RTU(Serial Port), plug-in		*318.00*
TPCDIO05	Function module, Load shedding and Availability warning, output signal		*221.67*
TPCDIO07	Function module, transfer inhibit and remote testing, input signal		*221.67*
TPCDIO08	Function module, voluntary remote control, input signal		*221.67*
TPCDIO10	Function module, Fire protection, 24VDC pulse, input signal		*221.67*
TPCDIO11	Function module, Fire protection, 24VDC constant, input signal		*221.67*
TPCDIO13	Function module, Fire protection, 230VAC constant, input signal		*221.67*
TPCDIO14	Function module, Fire protection, dry contact, passive, input signal		*221.67*
TPCDIO15	Function module, BUS extension and 24Vdc auxiliary supply		*280.32*
TPCDIO17	Function module, genset start and alarm, output signal		*280.32*
Auxiliary Contact			
TPSAUX32	Auxiliary contact, indication for source I and souce II	100 & 160	*104.39*
TPSAUX33	Auxiliary contact, indication for OFF position	100 & 160	*104.39*
TPSAUX43	Auxiliary contact, indication for source I and souce II	250 & 630	*146.00*
TPSAUX44	Auxiliary contact, indication for OFF position	250 & 630	*153.00*
NEW **TPSAUX71**	Auxiliary contact, TransferPacT, indication for source I and souce II	1600	*POA*
NEW **TPSAUX72**	Auxiliary contact, TransferPacT, indication for OFF position	1600	*POA*
Display Module & Cover			
TPCCIF01	Active Automatic HMI		*639.76*
TPCCIF02	Automatic HMI		*459.44*
TPCCIF04	External HMI		*1,099.19*
TPCOTH37	IP54 Cover		*7,485.00*

Circuit Protection

Acti 9 / Easy9 Pro

iC60N circuit breakers D-1
iC60H circuit breakers D-3
iC60L circuit breakers D-5
iC60L circuit breakers (instantaneous circuit breakers) D-6
Easy9 Pro circuit breakers D-7
Easy9 ProH circuit breakers D-8
C60H-DC circuit breakers D-9
C120N circuit breakers D-10
C120H circuit breakers D-11

Earth leakage protection

Easy9 Pro Residual Current Circuit Breakers (RCCB) D-12
iID residual current circuit breakers (RCCB) D-13
iDPN N & iDPN H Vigi residual current devices (RCBO) D-15
Vigi iC60 & Vigi C120 add-on residual current devices D-16

Monitoring & Protection Control

Acti 9 Smartlink & PowerTag D-17
Acti 9 PowerTag Wireless Energy Sensors D-18
ARA automatic reclosers D-19
RCA remote controls D-20
iCT contactors D-21
iTL impulse relays, iTLc, iTLs with built-in auxiliary function D-22

Overvoltage protection (Surge arrester)

iPF K Surge arresters D-23
iPRD surge arresters D-24

Auxiliaries and Accessories

Electrical auxiliaries for iC60, iID, RCA and ARA D-25
Electrical auxiliaries for C120 and C60H-DC device D-26
Accessories for iC60, iID, reflex iC60, RCA and ARA D-27
Accessories for C120, C60H-DC and iSW D-28
Comb busbars for Acti 9 (iC60) and Isolatable fuse-carrier without fuse D-29

Local control and indication

iSW switches D-30
iIL indicator lights D-31
RT time delay relays (remote control) D-32

Control components

Programmable and mechanical time switches & IC light sensitive switches, MIN Timer and accessories D-33

Isobar

Isobar distribution board for Acti9 D-34

PK plugs and sockets

Low voltage PK Industrial Plugs D-35

iC60N circuit breakers
(curve B, C, D)

unit price (excl. GST in Singapore Dollars)

iC60N 2 Poles

IEC/EN 60947-2
IEC/EN 60898-1

Alternating current (AC) 50/60 Hz

Breaking capacity (Icu) according to IEC/EN 60947-2

		Voltage (Ue)				Service breaking capacity (Ics)
Ph/Ph (2P, 3P, 4P)		12 to 133 V	220 to 240 V	380 to 415 V	440 V	
Ph/N (1P, 1P+N)		12 to 60 V	100 to 133 V	220 to 240 V	-	
Rating (In)	0.5 to 4 A	50 kA	50 kA	50 kA	25 kA	100 % of Icu
	6 to 63 A	36 kA	20 kA	10 kA	6 kA	75 % of Icu

Breaking capacity (Icn) according to IEC/EN 60898-1

		Voltage (Ue)
Ph/Ph		400V
Ph/N		230V
Rating (In)	0.5 to 63 A	6000 A

Pole	Rating (A)	B curve		C curve		D curve	
		Reference	Price (S$)	Reference	Price (S$)	Reference	Price (S$)
1P	1	A9F73101	*45.80*	A9F74101	*37.50*	A9F75101	*56.30*
	2	A9F73102	*45.80*	A9F74102	*37.50*	A9F75102	*56.80*
	3	A9F73103	*45.80*	A9F74103	*37.50*	A9F75103	*56.80*
	4	A9F73104	*45.80*	A9F74104	*37.50*	A9F75104	*56.80*
	6	A9F73106	*8.30*	A9F74106	*8.30*	A9F75106	*13.20*
	10	A9F73110	*8.30*	A9F74110	*8.30*	A9F75110	*13.20*
	16	A9F73116	*8.30*	A9F74116	*8.30*	A9F75116	*13.20*
	20	A9F73120	*8.30*	A9F74120	*8.30*	A9F75120	*13.20*
	25	A9F73125	*9.60*	A9F74125	*9.60*	A9F75125	*14.40*
	32	A9F73132	*8.30*	A9F74132	*8.30*	A9F75132	*13.20*
	40			A9F74140	*8.30*	A9F75140	*13.20*
	50			A9F74150	*27.60*		
	63	A9F73163	*33.70*	A9F74163	*27.60*	A9F75163	*41.90*
2P	1	A9F73201	*97.70*	A9F74201	*79.40*	A9F75201	*125.20*
	2	A9F73202	*97.70*	A9F74202	*79.40*	A9F75202	*125.20*
	3	A9F73203	*97.70*	A9F74203	*79.40*	A9F75203	*125.20*
	4	A9F73204	*97.70*	A9F74204	*79.40*	A9F75204	*125.20*
	6	A9F73206	*36.40*	A9F74206	*36.40*	A9F75206	*49.70*
	10	A9F73210	*36.40*	A9F74210	*36.40*	A9F75210	*49.70*
	16	A9F73216	*36.40*	A9F74216	*36.40*	A9F75216	*49.70*
	20	A9F73220	*36.40*	A9F74220	*36.40*	A9F75220	*49.70*
	25	A9F73225	*36.40*	A9F74225	*36.40*	A9F75225	*49.70*
	32	A9F73232	*36.40*	A9F74232	*36.40*	A9F75232	*49.70*
	40	A9F73240	*36.40*	A9F74240	*36.40*	A9F75240	*49.70*
	50	A9F73250	*69.00*	A9F74250	*55.10*	A9F75250	*73.40*
	63	A9F73263	*56.30*	A9F74263	*55.10*	A9F75263	*73.40*

Compatible with Isobar

iC60N circuit breakers
(curve B, C, D)

unit price (excl. GST in Singapore Dollars)

IEC/EN 60947-2
IEC/EN 60898-1

iC60N 4 Poles

Alternating current (AC) 50/60 Hz

Breaking capacity (Icu) according to IEC/EN 60947-2						
		Voltage (Ue)				**Service breaking**
Ph/Ph (2P, 3P, 4P)		12 to 133 V	220 to 240 V	380 to 415 V	440 V	**capacity**
Ph/N (1P, 1P+N)		12 to 60 V	100 to 133 V	220 to 240 V	-	**(Ics)**
Rating (In)	0.5 to 4 A	50 kA	50 kA	50 kA	25 kA	100 % of Icu
	6 to 63 A	36 kA	20 kA	10 kA	6 kA	75 % of Icu

Breaking capacity (Icn) according to IEC/EN 60898-1		
		Voltage (Ue)
Ph/Ph		400V
Ph/N		230V
Rating (In)	0.5 to 63 A	6000 A

Pole	Rating (A)	B curve		C curve		D curve	
		Reference	**Price (S$)**	**Reference**	**Price (S$)**	**Reference**	**Price (S$)**
3P	1	A9F73301	*130.70*	A9F74301	*108.00*	A9F75301	*179.80*
	2	A9F73302	*130.70*	A9F74302	*108.00*	A9F75302	*179.80*
	3	A9F73303	*130.70*	A9F74303	*108.00*	A9F75303	*179.80*
	4	A9F73304	*130.70*	A9F74304	*108.00*	A9F75304	*179.80*
	6	A9F73306	*56.80*	A9F74306	*55.10*	A9F75306	*84.90*
	10	A9F73310	*56.80*	A9F74310	*55.10*	A9F75310	*84.90*
	16	A9F73316	*56.80*	A9F74316	*55.10*	A9F75316	*84.90*
	20	A9F73320	*56.80*	A9F74320	*55.10*	A9F75320	*84.90*
	25	A9F73325	*56.80*	A9F74325	*55.10*	A9F75325	*84.90*
	32	A9F73332	*56.80*	A9F74332	*55.10*	A9F75332	*84.90*
	40	A9F73340	*56.80*	A9F74340	*55.10*	A9F75340	*84.90*
	50	A9F73350	*95.40*	A9F74350	*92.60*	A9F75350	*144.00*
	63	A9F73363	*95.40*	A9F74363	*92.60*	A9F75363	*144.00*
4P	6	A9F73406	*163.80*	A9F74406	*129.60*	A9F75406	*179.80*
	10	A9F73410	*132.90*	A9F74410	*129.60*	A9F75410	*179.80*
	16	A9F73416	*132.90*	A9F74416	*129.60*	A9F75416	*179.80*
	20	A9F73420	*132.90*	A9F74420	*129.60*	A9F75420	*179.80*
	25	A9F73425	*132.90*	A9F74425	*129.60*	A9F75425	*179.80*
	32	A9F73432	*132.90*	A9F74432	*129.60*	A9F75432	*179.80*
	40	A9F73440	*132.90*	A9F74440	*129.60*	A9F75440	*179.80*
	50	A9F73450	*149.90*	A9F74450	*146.20*	A9F75450	*201.30*
	63	A9F73463	*149.90*	A9F74463	*146.20*	A9F75463	*201.30*

Compatible with Isobar

iC60H circuit breakers
(curve B, C, D)

unit price (excl. GST in Singapore Dollars)

IEC/EN 60947-2
IEC/EN 60898-1

iC60H 2 Poles

Alternating current (AC) 50/60 Hz

Breaking capacity (Icu) according to IEC/EN 60947-2						
		Voltage (Ue)				**Service breaking**
Ph/Ph (2P, 3P, 4P)		12 to 133 V	220 to 240 V	380 to 415 V	440 V	**capacity**
Ph/N (1P, 1P+N)		12 to 60 V	100 to 133 V	220 to 240 V	-	**(Ics)**
Rating (In)	0.5 to 4 A	70 kA	70 kA	70 kA	50 kA	100% of Icu
	6 to 63 A	42 kA	30 kA	15 kA	10 kA	50% of Icu

Breaking capacity (Icn) according to IEC/EN 60898-1		
		Voltage (Ue)
Ph/Ph		400V
Ph/N		230V
Rating (In)	0.5 to 63 A	10000 A

Pole	Rating (A)	B curve		C curve		D curve	
		Reference	**Price (S$)**	**Reference**	**Price (S$)**	**Reference**	**Price (S$)**
1P	1			A9F84101	*45.30*		
	2			A9F84102	*45.30*		
	3			A9F84103	*45.30*		
	4			A9F84104	*45.30*		
	6	A9F83106	*12.70*	A9F84106	*12.70*	A9F85106	*22.10*
	10	A9F83110	*12.70*	A9F84110	*12.70*	A9F85110	*22.10*
	16	A9F83116	*12.70*	A9F84116	*12.70*	A9F85116	*22.10*
	20	A9F83120	*12.70*	A9F84120	*12.70*	A9F85120	*22.10*
	25			A9F84125	*13.90*	A9F85125	*32.60*
	32	A9F83132	*13.90*	A9F84132	*13.90*	A9F85132	*22.10*
	40	A9F83140	*19.80*	A9F84140	*13.90*		
	50			A9F84150	*33.10*		
	63			A9F84163	*33.10*	A9F85163	*62.90*
2P	1			A9F84201	*94.30*		
	2			A9F84202	*94.30*		
	3			A9F84203	*94.30*		
	4			A9F84204	*94.30*		
	6	A9F83206	*39.70*	A9F84206	*39.70*	A9F85206	*56.80*
	10	A9F83210	*39.70*	A9F84210	*39.70*	A9F85210	*56.80*
	16	A9F83216	*39.70*	A9F84216	*39.70*	A9F85216	*56.80*
	20	A9F83220	*39.70*	A9F84220	*39.70*	A9F85220	*56.80*
	25			A9F84225	*39.70*	A9F85225	*56.80*
	32	A9F83232	*39.70*	A9F84232	*39.70*	A9F85232	*56.80*
	40	A9F83240	*49.10*	A9F84240	*39.70*	A9F85240	*56.80*
	50			A9F84250	*60.70*	A9F85250	*109.20*
	63	A9F83263	*60.70*	A9F84263	*60.70*	A9F85263	*109.20*

Compatible with Isobar

iC60H circuit breakers
(curve B, C, D)

unit price (excl. GST in Singapore Dollars)

iC60H 4 Poles

IEC/EN 60947-2
IEC/EN 60898-1

Alternating current (AC) 50/60 Hz

Breaking capacity (Icu) according to IEC/EN 60947-2						
		Voltage (Ue)				**Service breaking**
Ph/Ph (2P, 3P, 4P)		12 to 133 V	220 to 240 V	380 to 415 V	440 V	**capacity**
Ph/N (1P, 1P+N)		12 to 60 V	100 to 133 V	220 to 240 V	-	**(Ics)**
Rating (In)	0.5 to 4 A	70 kA	70 kA	70 kA	50 kA	100% of Icu
	6 to 63 A	42 kA	30 kA	15 kA	10 kA	50% of Icu

Breaking capacity (Icn) according to IEC/EN 60898-1		
		Voltage (Ue)
Ph/Ph		400V
Ph/N		230V
Rating (In)	0.5 to 63 A	10000 A

Pole	Rating (A)	B curve		C curve		D curve	
		Reference	**Price (S$)**	**Reference**	**Price (S$)**	**Reference**	**Price (S$)**
3P	1			A9F84301	*148.90*		
	2			A9F84302	*148.90*		
	3			A9F84303	*148.90*		
	4			A9F84304	*148.90*		
	6	A9F83306	*75.00*	A9F84306	*60.70*	A9F85306	*87.20*
	10	A9F83310	*61.20*	A9F84310	*60.70*	A9F85310	*87.20*
	16	A9F83316	*61.20*	A9F84316	*60.70*	A9F85316	*87.20*
	20	A9F83320	*61.20*	A9F84320	*60.70*	A9F85320	*87.20*
	25	A9F83325	*75.00*	A9F84325	*60.70*	A9F85325	*87.20*
	32	A9F83332	*61.20*	A9F84332	*60.70*	A9F85332	*87.20*
	40	A9F83340	*75.00*	A9F84340	*60.70*	A9F85340	*87.20*
	50	A9F83350	*127.90*	A9F84350	*103.60*	A9F85350	*137.30*
	63	A9F83363	*103.60*	A9F84363	*103.60*	A9F85363	*137.30*
4P	1			A9F84401	*201.80*		
	2			A9F84402	*201.80*		
	3			A9F84403	*287.30*		
	4			A9F84404	*201.80*		
	6	A9F83406	*184.70*	A9F84406	*148.90*		
	10			A9F84410	*148.90*	A9F85410	*184.70*
	16	A9F83416	*184.70*	A9F84416	*148.90*	A9F85416	*184.70*
	20	A9F83420	*184.70*	A9F84420	*148.90*	A9F85420	*184.70*
	25			A9F84425	*148.90*	A9F85425	*184.70*
	32	A9F83432	*184.70*	A9F84432	*148.90*	A9F85432	*184.70*
	40	A9F83440	*184.70*	A9F84440	*148.90*	A9F85440	*184.70*
	50			A9F84450	*197.40*	A9F85450	*222.20*
	63	A9F83463	*243.70*	A9F84463	*197.40*	A9F85463	*222.20*

Compatible with Isobar

iC60L circuit breakers
(curve B, C, K)

unit price (excl. GST in Singapore Dollars)

IEC/EN 60947-2
IEC/EN 60898-1 up to 40 A

iC60L 2 Poles

iC60L 4 Poles

Alternating current (AC) 50/60 Hz

Breaking capacity (Icu) according to IEC/EN 60947-2						
		Voltage (Ue)				**Service breaking**
Ph/Ph (2P, 3P, 4P)		12 to 133 V	220 to 240 V	380 to 415 V	440 V	**capacity**
Ph/N (1P)		12 to 60 V	100 to 133 V	220 to 240 V	-	**(Ics)**
Rating (In)	0.5 to 4 A	100 kA	100 kA	100 kA	70 kA	100% of Icu
	6 to 25 A	70 kA	50 kA	25 kA	20 kA	50% of Icu (1)
	32 / 40 A	70 kA	36 kA	20 kA	15 kA	50% of Icu
	50 / 63 A	70 kA	30 kA	15 kA	10 kA	50% of Icu

Breaking capacity (Icn) according to IEC/EN 60898-1		
		Voltage (Ue)
Ph/Ph		400V
Ph/N		230V
Rating (In)	0.5 to 40 A	15000 A

Pole	**Rating (A)**	**C curve**		**Pole**	**Rating (A)**	**C curve***	
		Reference	**Price (S$)**			**Reference**	**Price (S$)**
1P	2	A9F94102	*66.20*	3P	2	A9F94302	*228.80*
	4	A9F94104	*66.20*		4	A9F94304	*228.80*
	6	A9F94106	*18.80*		6	A9F94306	*92.10*
	10	A9F94110	*18.80*		10	A9F94310	*92.10*
	16	A9F94116	*18.80*		16	A9F94316	*92.10*
	20	A9F94120	*18.80*		20	A9F94320	*92.10*
	25	A9F94125	*29.80*		25	A9F94325	*92.10*
	32	A9F94132	*35.90*		32	A9F94332	*92.10*
	40	A9F94140	*35.90*		40	A9F94340	*94.80*
					50	A9F94350	*159.40*
	63	A9F94163	*49.70*		63	A9F94363	*159.40*
2P	1	A9F94201	*158.20*	4P			
	2	A9F94202	*158.20*		2	A9F94402	*284.40*
	4	A9F94204	*158.20*				
	6	A9F94206	*60.70*		6	A9F94406	*227.10*
	10	A9F94210	*60.70*		10	A9F94410	*227.10*
	16	A9F94216	*60.70*		16	A9F94416	*227.10*
	20	A9F94220	*60.70*		20	A9F94420	*227.10*
	25	A9F94225	*60.70*		25	A9F94425	*227.10*
	32	A9F94232	*60.70*		32	A9F94432	*227.10*
	40	A9F94240	*62.40*		40	A9F94440	*227.10*
	50	A9F94250	*93.80*		50	A9F94450	*264.60*
	63	A9F94263	*96.00*		63	A9F94463	*264.60*

(1) 100% of Icu for ratings 6 to 25 A under Ue100 to 133 V AC Ph/Ph and Ue 12 to 60 V AC Ph/ N.

(2) Selected B and K curve ratings available on request

Compatible with Isobar

iC60L instantaneous circuit breakers (curve MA)

unit price (excl. GST in Singapore Dollars)

IEC/EN 60947-2

iC60L 3 Poles

Alternating current (AC) 50/60 Hz

Breaking capacity (Icu) according to IEC/EN 60947-2

Ph/Ph (2P, 3P)		Voltage (Ue) 220 to 240 V	Voltage (Ue) 380 to 415 V	Service breaking capacity (Ics)
Rating (In)	1.6 to 16 A	40 kA	20 kA	50% of Icu
	25 to 40 A	30 kA	15 kA	50% of Icu

Pole	Rating (A)	MA Curve Reference	Price (S$)
3P	2.5	A9F90373	*226.10*
	4	A9F90304	*226.10*
	6.3	A9F90376	*226.10*
	10	A9F90310	*226.10*
	12.5	A9F90382	*226.10*
	16	A9F90316	*226.10*
	25	A9F90325	*226.10*
	40	A9F90340	*226.10*

Compatible with Isobar

Easy9 Pro circuit breakers
(curve B, C)

unit price (excl. GST in Singapore Dollars)

IEC/EN 60898-1, IEC60947-2

Alternating current (AC) 50/60 Hz			
Breaking capacity (Icn) according to IEC/EN 60898-1			
		Voltage (Ue)	**Service breaking capacity (Ics)**
Ph/Ph		400V	
Ph/N		230V	
Rating (In)	2 to 63 A	6000 A	100% of Icn

Easy9 Pro 1P

Easy9 Pro 2P

Easy9 Pro 3P

Easy9 Pro 4P

Pole	Rating (A)	B curve Reference	B curve Price (S$)	C curve Reference	C curve Price (S$)
1P	6	EZ9F27106	*4.25*	EZ9F57106	*4.25*
	10	EZ9F27110	*4.25*	EZ9F57110	*4.25*
	16	EZ9F27116	*4.25*	EZ9F57116	*4.25*
	20	EZ9F27120	*4.25*	EZ9F57120	*4.25*
	25	EZ9F27125	*4.25*	EZ9F57125	*4.25*
	32	EZ9F27132	*4.25*	EZ9F57132	*4.25*
	40	EZ9F27140	*4.25*	EZ9F57140	*4.25*
	50	EZ9F27150	*7.25*	EZ9F57150	*7.25*
	63	EZ9F27163	*7.25*	EZ9F57163	*7.25*
	2	EZ9F27202	*23.75*		
2P	6	EZ9F27206	*16.25*	EZ9F57206	*16.25*
	10	EZ9F27210	*16.25*	EZ9F57210	*16.25*
	16	EZ9F27216	*16.25*	EZ9F57216	*16.25*
	20	EZ9F27220	*16.25*	EZ9F57220	*16.25*
	25	EZ9F27225	*16.25*	EZ9F57225	*16.25*
	32	EZ9F27232	*16.25*	EZ9F57232	*16.25*
	40	EZ9F27240	*16.25*	EZ9F57240	*16.25*
	50	EZ9F27250	*24.25*	EZ9F57250	*24.25*
	63	EZ9F27263	*24.25*	EZ9F57263	*24.25*
3P	6	EZ9F27306	*22.75*	EZ9F57306	*22.75*
	10	EZ9F27310	*22.75*	EZ9F57310	*22.75*
	16	EZ9F27316	*22.75*	EZ9F57316	*22.75*
	20	EZ9F27320	*22.75*	EZ9F57320	*22.75*
	25	EZ9F27325	*22.75*	EZ9F57325	*22.75*
	32	EZ9F27332	*22.75*	EZ9F57332	*22.75*
	40	EZ9F27340	*22.75*	EZ9F57340	*22.75*
	50	EZ9F27350	*31.75*	EZ9F57350	*31.75*
	63	EZ9F27363	*31.75*	EZ9F57363	*31.75*
4P	6	EZ9F27406	*31.00*	EZ9F57406	*31.00*
	10	EZ9F27410	*31.00*	EZ9F57410	*31.00*
	16	EZ9F27416	*31.00*	EZ9F57416	*31.00*
	20	EZ9F27420	*31.00*	EZ9F57420	*31.00*
	25	EZ9F27425	*31.00*	EZ9F57425	*31.00*
	32	EZ9F27432	*31.00*	EZ9F57432	*31.00*
	40	EZ9F27440	*31.00*	EZ9F57440	*31.00*
	50	EZ9F27450	*46.50*	EZ9F57450	*46.50*
	63	EZ9F27463	*46.50*	EZ9F57463	*46.50*
Auxiliary		Easy9 Pro, Aux contact, OF, 1OC, AC/DC		EZ9A29924	*10.00*
		Easy9 Pro, Fault contact, SD, 1OC, AC/DC		EZ9A29927	*10.50*
		Easy9 Pro, Shunt release, MX, AC/DC		EZ9A29476	*24.25*
Isolator	40	Easy9 2P 40A Switch Disconnector		EZ9S16240	*21.50*
	63	Easy9 2P 63A Switch Disconnector		EZ9S16263	*24.75*

Easy9 ProH circuit breakers
(curve B, C)

unit price (excl. GST in Singapore Dollars)

IEC/EN 60898-1, IEC60947-2

Alternating current (AC) 50/60 Hz			
Breaking capacity (Icu) according to IEC/EN 60947-2			
		Voltage (Ue)	**Service breaking capacity (Ics)**
Ph/Ph		415V	
Ph/N		240V	
Rating (In)	6 to 63 A	10 kA	75% of Icu
Breaking capacity (Icn) according to IEC/EN 60898-1			
		Voltage (Ue)	
Ph/Ph		400V	
Ph/N		230V	
Rating (In)	6 to 63 A	10000 A	

Easy9 ProH 1P

Easy9 ProH 2P

Easy9 ProH 3P

Easy9 ProH 4P

	Rating	B curve		C curve	
Pole	**(A)**	**Reference**	**Price (S$)**	**Reference**	**Price (S$)**
1P	6	EZ9F29106	*6.25*	EZ9F59106	*6.25*
	10	EZ9F29110	*6.25*	EZ9F59110	*6.25*
	16	EZ9F29116	*6.25*	EZ9F59116	*6.25*
	20	EZ9F29120	*6.25*	EZ9F59120	*6.25*
	25	EZ9F29125	*6.25*	EZ9F59125	*6.25*
	32	EZ9F29132	*6.25*	EZ9F59132	*6.25*
	40	EZ9F29140	*6.25*	EZ9F59140	*6.25*
	50	EZ9F29150	*10.75*	EZ9F59150	*10.75*
	63	EZ9F29163	*10.75*	EZ9F59163	*10.75*
2P	6	EZ9F29206	*17.25*	EZ9F59206	*17.25*
	10	EZ9F29210	*17.25*	EZ9F59210	*17.25*
	16	EZ9F29216	*17.25*	EZ9F59216	*17.25*
	20	EZ9F29220	*17.25*	EZ9F59220	*17.25*
	25	EZ9F29225	*17.25*	EZ9F59225	*17.25*
	32	EZ9F29232	*17.25*	EZ9F59232	*17.25*
	40	EZ9F29240	*17.25*	EZ9F59240	*17.25*
	50	EZ9F29250	*25.75*	EZ9F59250	*25.75*
	63	EZ9F29263	*25.75*	EZ9F59263	*25.75*
3P	6	EZ9F29306	*27.50*	EZ9F59306	*27.50*
	10	EZ9F29310	*27.50*	EZ9F59310	*27.50*
	16	EZ9F29316	*27.50*	EZ9F59316	*27.50*
	20	EZ9F29320	*27.50*	EZ9F59320	*27.50*
	25	EZ9F29325	*27.50*	EZ9F59325	*27.50*
	32	EZ9F29332	*27.50*	EZ9F59332	*27.50*
	40	EZ9F29340	*27.50*	EZ9F59340	*27.50*
	50	EZ9F29350	*38.50*	EZ9F59350	*38.50*
	63	EZ9F29363	*38.50*	EZ9F59363	*38.50*
4P	6	EZ9F29406	*37.50*	EZ9F59406	*37.50*
	10	EZ9F29410	*37.50*	EZ9F59410	*37.50*
	16	EZ9F29416	*37.50*	EZ9F59416	*37.50*
	20	EZ9F29420	*37.50*	EZ9F59420	*37.50*
	25	EZ9F29425	*37.50*	EZ9F59425	*37.50*
	32	EZ9F29432	*37.50*	EZ9F59432	*37.50*
	40	EZ9F29440	*37.50*	EZ9F59440	*37.50*
	50	EZ9F29450	*56.25*	EZ9F59450	*56.25*
	63	EZ9F29463	*56.25*	EZ9F59463	*56.25*
Auxiliary		Easy9 Pro, Aux contact, OF, 1OC, AC/DC		EZ9A29924	*10.00*
		Easy9 Pro, Fault contact, SD, 1OC, AC/DC		EZ9A29927	*10.50*
		Easy9 Pro, Shunt release, MX, AC/DC		EZ9A29476	*24.25*
Isolator	40	Easy9 2P 40A Switch Disconnector		EZ9S16240	*21.50*
	63	Easy9 2P 63A Switch Disconnector		EZ9S16263	*24.75*

C60H-DC
(curve C)

unit price (excl. GST in Singapore Dollars)

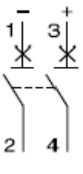
IEC/EN 60947-2

Rating (A)	Type	Operating voltage (Ue)	Rated voltage (Un)	Breaking capacity as in IEC 60947-2 Icu (kA)
1 … 40	1P	12...250 VDC	250 VDC	10kA @ 220VDC
	2P	12...500 VDC	500 VDC	20kA @ 220VDC
				10kA @ 440VDC

C60H-DC 1 Pole

Supply from above or below, observing the polarity

C60H-DC 2 Poles



Supply from above

Supply from below

Pole	Width in mod. of 9mm	Rating (A)	C curve	
			Reference	Price (S$)
1P	2	0.5	A9N61500	*43.60*
		1	A9N61501	*43.60*
		2	A9N61502	*41.90*
		3	A9N61503	*41.90*
		4	A9N61504	*41.90*
		5	A9N61505	*41.90*
		6	A9N61506	*41.90*
		10	A9N61508	*41.90*
		13	A9N61509	*41.90*
		15	A9N61510	*41.90*
		16	A9N61511	*41.90*
		20	A9N61512	*41.90*
		25	A9N61513	*41.90*
		30	A9N61514	*41.90*
		32	A9N61515	*41.90*
		40	A9N61517	*43.60*
		50	A9N61518	*62.40*
		63	A9N61519	*62.90*
		0.5	A9N61520	*97.70*
2P	4	1	A9N61521	*97.70*
		2	A9N61522	*97.70*
		3	A9N61523	*94.80*
		4	A9N61524	*94.80*
		5	A9N61525	*97.70*
		6	A9N61526	*94.80*
		10	A9N61528	*94.80*
		13	A9N61529	*94.80*
		15	A9N61530	*94.80*
		16	A9N61531	*94.80*
		20	A9N61532	*95.40*
		25	A9N61533	*95.40*
		30	A9N61534	*97.70*
		32	A9N61535	*97.70*
		40	A9N61537	*97.70*
		50	A9N61538	*126.30*
		63	A9N61539	*126.30*

C120N circuit breakers
(curve B, C, D)

unit price (excl. GST in Singapore Dollars)

IEC 60898-1, IEC 60947-2

C120N 1 Pole

C120N 2 poles

C120N 3 poles

C120N 4 poles

Alternating current (AC) 50/60 Hz

Breaking capacity (Icu) according to IEC/EN 60947-2

Type		**Voltage (V)**		**Service breaking**
1P		220 to 240V	380 to 415V	**capacity (Ics)**
Rating (In)	63 to 125A	10 kA	3 kA	75% of Icu
2P/3P/4P		220 to 240V	380 to 415V	**Service breaking capacity (Ics)**
Rating (In)	63 to 125A	20 kA	10 kA	75% of Icu

Breaking capacity (Icu) according to CEI/EN 60898-1

Type		**Voltage (V)**	**Service breaking**
1P,2P,3P,4P		230 to 400 V	**capacity (Ics)**
Rating (In)	63 to 125A	10000 A	75% of Icu

Direct current (DC)

Breaking capacity (Icu) according to IEC/EN 60947-2

Type		**Voltage (V)**	**Service breaking**
1P		24/48 V	**capacity (Ics)**
Rating (In)	63 to 125A	10 kA	100% of Icu
2P (In Series)		24/48 V	**Service breaking capacity (Ics)**
	63 to 125A		100% of Icu

Pole	**Rating (In)**	**B curve**		**C curve**		**D curve**	
		Reference	**Price (S$)**	**Reference**	**Price (S$)**	**Reference**	**Price (S$)**
1P	80 A	A9N18341	*48.50*	A9N18357	*48.00*	A9N18379	*65.10*
	100 A			A9N18358	*55.10*		
	125 A	A9N18343	*86.00*	A9N18359	*87.70*		
2P	80 A	A9N18345	*63.90*	A9N18361	*63.90*	A9N18383	*66.80*
	100 A	A9N18346	*77.80*	A9N18362	*78.30*	A9N18384	*80.50*
	125 A	A9N18347	*105.80*	A9N18363	*100.90*	A9N18385	*102.60*
3P	80 A	A9N18349	*128.50*	A9N18365	*127.40*	A9N18387	*131.30*
	100 A	A9N18350	*151.10*	A9N18367	*147.20*	A9N18388	*153.80*
	125 A	A9N18351	*191.80*	A9N18369	*191.80*	A9N18389	*199.60*
4P	80 A	A9N18353	*239.80*	A9N18372	*239.80*	A9N18391	*244.20*
	100 A	A9N18354	*286.10*	A9N18374	*286.10*	A9N18392	*286.10*
	125 A	A9N18355	*319.70*	A9N18376	*340.70*	A9N18393	*334.10*

Not compatible with Isobar

C120H circuit breakers
(curve B, C, D)

unit price (excl. GST in Singapore Dollars)

IEC-60898-1, IEC 60947-2

C120H 1 Pole

C120H 2 poles

C120H 3 poles

C120H 4 poles

Alternating current (AC) 50/60 Hz

Breaking capacity (Icu) according to IEC/EN 60947-2

Type		**Voltage (V)**		**Service breaking**
1P		220 to 240V	380 to 415V	**capacity (Ics)**
Rating (In)	63 to 125A	15 kA	4,5 kA	50% of Icu
2P/3P/4P		220 to 240V	380 to 415V	**Service breaking capacity (Ics)**
Rating (In)	63 to 125A	30 kA	15 kA	50% of Icu

Breaking capacity (Icu) according to CEI/EN 60898-1

Type		**Voltage (V)**	**Service breaking**
1P,2P,3P,4P		230 to 400 V	**capacity (Ics)**
Rating (In)	63 to 125A	15000 A	50% of Icu

(1) One-pole breaking capacity in IT isolated neutral system (double fault)

Direct current (DC)

Breaking capacity (Icu) according to IEC/EN 60947-2

Type		**Voltage (V)**		**Service breaking**
1P		24/48 V	250 V	**capacity (Ics)**
Rating (In)	63 to 125A	15 kA	-	100% of Icu
2P (In Series)		24/48 V	250 V	**Service breaking capacity (Ics)**
	63 to 125A	-	15kA	100% of Icu

Pole	**Rating (A)**	**B curve**		**C curve**		**D curve**	
		Reference	**Price (S$)**	**Reference**	**Price (S$)**	**Reference**	**Price (S$)**
1P	80 A	A9N18402	*71.20*	A9N18446	*58.00*	A9N18490	*77.80*
				A9N18447	*74.40*	A9N18491	*89.90*
				A9N18448	*86.00*		
2P	80 A	A9N18413	*107.00*	A9N18457	*79.40*	A9N18501	*118.00*
	100 A	A9N18414	*111.90*	A9N18458	*91.00*	A9N18502	*92.60*
	125 A			A9N18459	*124.60*	A9N18503	*198.50*
3P	80 A	A9N18424	*161.60*	A9N18468	*149.90*	A9N18512	*153.30*
	100 A	A9N18425	*180.30*	A9N18469	*180.30*	A9N18513	*186.90*
	125 A	A9N18426	*230.50*	A9N18470	*233.70*	A9N18514	*234.90*
4P	80 A			A9N18479	*294.90*	A9N18523	*297.70*
	100 A	A9N18436	*343.50*	A9N18480	*343.50*	A9N18524	*343.50*
	125 A	A9N18437	*645.50*	A9N18481	*633.50*	A9N18525	*467.50*

Not compatible with Isobar

Easy9 Pro residual current circuit breakers (RCCB) (AC and A type)

unit price (excl. GST in Singapore Dollars)

IEC/EN 61008-1

The Easy9 Pro residual current circuit breakers offer the following functions:
- protection of persons against electric shock by direct contact (30 mA)
- protection of persons against electric shock by indirect contact (100 mA)
- protection of installations against the risk of fire (300 mA)

Characteristics

Voltage rating (Ue)	2P	240V
	4P	415 V
Operating frequency		50 Hz

Type AC

Rating (A)	Sensitivity (mA)	2 Pole Width in 9mm mod	Reference	Price (S$)	4 Pole Width in 9mm mod	Reference	Price (S$)
40	30	4	EZ9R39240	*32.00*	8	EZ9R39440	*48.00*
	100		EZ9R59240	*35.25*		EZ9R59440	*52.75*
	300		EZ9R69240	*35.25*		EZ9R69440	*52.75*
63	30	4	EZ9R39263	*44.75*	8	EZ9R39463	*72.00*
	100		EZ9R59263	*49.25*		EZ9R59463	*63.50*
	300		EZ9R69263	*49.25*		EZ9R69463	*63.50*

Type A

Rating (A)	Sensitivity (mA)	2 Pole Width in 9mm mod	Reference	Price (S$)	4 Pole Width in 9mm mod	Reference	Price (S$)
40	30	4	EZ9R49240	*44.75*	8	EZ9R49440	*67.25*
63	30	4	EZ9R49263	*62.75*	8		

iID residual current circuit breakers (RCCB) (AC and A type)

unit price (excl. GST in Singapore Dollars)

IEC/EN 61008-1

iID RCCB 2 Poles

iID RCCB 4 Poles

The iID residual current circuit breakers provide:

- protection of persons against electric shock by direct contact (≤ 30 mA)
- protection of persons against electric shock by indirect contact (≥ 100 mA)
- protection of installations against the risk of fire (300 mA or 500 mA)

Characteristics

Voltage rating (Ue)	2P	230 - 240 V
	4P	400 - 415 V
Operating frequency		50 / 60 Hz

Type AC

Rating (A)	Sensitivity (mA)	2 Pole Width in 9mm mod	Reference	Price (S$)	4 Pole Width in 9mm mod	Reference	Price (S$)
25	10	4	A9R10225	*96.50*	8	-	-
	30		A9R71225S	*75.00*		A9R71425S	*100.90*
	300		A9R74225	*89.90*		A9R74425	*134.50*
	500		A9R16225	*94.30*		A9R16425	*103.10*
40	30	4	A9R71240S	*58.00*	8	A9R71440S	*88.20*
	100		A9R12240	*57.30*		A9R12440	*102.10*
	300		A9R74240	*60.70*		A9R74440	*82.20*
	500					A9R16440	*107.00*
63	30	4	A9R71263S	*73.90*	8	A9R71463S	*122.40*
	100		A9R12263	*90.40*		A9R12463	*119.70*
	300		A9R74263	*72.80*		A9R74463	*105.30*
	500					A9R16463	*157.70*
80	30	4	A9R11280S	*112.50*	8	A9R11480S	*162.10*
	100		A9R12280	*116.30*		A9R12480	*179.20*
	300		A9R14280	*110.30*		A9R14480	*175.90*
	500					A9R16480	*218.90*
100	30	4	A9R11291S	*134.50*	8	A9R11491S	*203.50*
	100		A9R12291	*149.90*		A9R12491	*224.40*
	300		A9R14291	*148.90*		A9R14491	*226.10*

Type A

Rating (A)	Sensitivity (mA)	2 Pole Width in 9mm mod	Reference	Price (S$)	4 Pole Width in 9mm mod	Reference	Price (S$)
25	30	4	A9R51225[1]	*82.70*	8	A9R51425[1]	*212.80*
40	30	4	A9R51240[1]	*66.80*	8	A9R51440[1]	*96.50*
	100		-	-		A9R22440	*103.60*
63	30	4	A9R51263[1]	*83.80*	8	A9R51463[2]	*151.40*
	100		-	-		A9R22463	*172.00*
80	30	4	-	-	8	A9R21480[2]	*236.30*

* *Type AC references with rating 25A to 100A and sensitivity 30mA are conform with SS97 Safety mark for local requirement.*

* *Other references are not included.*

[1] *Conform with SS97 Safety mark for local requirement*

[2] *No SS97 Safery mark for local requirement*

Compatible with Isobar

iID residual current circuit breakers (RCCB)
(A-SI type, B-SI type and B type)

unit price (excl. GST in Singapore Dollars)

IEC/EN 61008-1

The iID residual current circuit breakers provide:

- protection of persons against electric shock by direct contact (≤ 30 mA)
- protection of persons against electric shock by indirect contact (≥ 100 mA)
- protection of installations against the risk of fire (300 mA or 500 mA)

Characteristics

Voltage rating (Ue)	2P	230 V
	4P	400 V
Operating frequency		50 Hz

Type A-SI

Rating (A)	Sensitivity (mA)	2 Pole Width in 9mm mod	Reference	Price (S$)	4 Pole Width in 9mm mod	Reference	Price (S$)
40	100	4	A9Z32240	*212.80*	8	A9Z32440	*339.60*
63	100				8	A9Z32463	*259.70*
	300					A9R34463	*259.70*
100	100				8	A9Z32491	*485.10*
	300					A9R34491	*485.10*

Type B-SI

Rating (A)	Sensitivity (mA)	2 Pole Width in 9mm mod	Reference	Price (S$)	4 Pole Width in 9mm mod	Reference	Price (S$)
25	30	8	A9Z61225	*1,164.50*	8	A9Z61425	*1,539.80*
	300		A9Z64225	*1,185.50*		A9Z64425	*1,539.80*
40	30	8	A9Z61240	*1,185.50*	8	A9Z61440	*1,539.80*
	300		A9Z64240	*1,249.50*		A9Z64440	*1,539.80*
63	30	8	A9Z61263	*1,668.50*	8	A9Z61463	*2,173.10*
	300		A9Z64263	*1,752.50*		A9Z64463	*1,956.20*
80	30				8	A9Z61480	*2,555.70*
	300					A9Z64480	*2,300.60*

Type B (For EV Application Only)

Rating (A)	Sensitivity (mA)	2 Pole Width in 9mm mod	Reference	Price (S$)	4 Pole Width in 9mm mod	Reference	Price (S$)
16	30	8	A9Z51216	*1,185.50*			
25	30	8	A9Z51225	*1,312.00*	8	A9Z51425	*1,572.90*
40	30	8	A9Z51240	*1,381.00*	8	A9Z51440	*1,794.30*
63	30	8			8	A9Z51463	*1,735.70*

iDPN N & iDPN H Vigi residual current devices (RCBO) (AC and A type)

unit price (excl. GST in Singapore Dollars)

IEC/EN 61009

The iDPN Vigi residual current device provide complete protection for final circuits (against overcurrents and insulation faults):

- protection for users against electric shocks by direct contacts (≤ 30 mA)
- protection for users against electric shocks by indirect contacts (300 mA)
- protection of the installations against the fire risks (300 mA)

iDPN N RCBO 1P+N

iDPN N Characteristics

Voltage rating (Ue)			230 V AC	
Operating frequency			50 Hz	
Rated breaking capacity (Icn)			6000 A	
1P+N Rating (A)	**Sensitivity (mA)**	**Width in 9mm mod**	**Curve C Reference**	**Price (S$)**
Type AC				
6	30	4	A9D31606	*172.60*
	300		A9D41606	*164.90*
10	30		A9D31610	*172.60*
	300		A9D41610	*157.70*
16	30		A9D31616	*172.60*
	300		A9D41616	*157.70*
20	30		A9D31620	*172.60*
25	30		A9D31625	*172.60*
	300		A9D41625	*164.90*
32	30		A9D31632	*172.60*
	300		A9D41632	*182.00*
40	30		A9D31640	*226.10*
Type A				
10	100	4	A9D52610	*180.30*
16	100		A9D52616	*177.00*
20	100		A9D52620	*188.10*
40	100			

iDPN H RCBO 1P+N

iDPN H Characteristics

Voltage rating (Ue)			230 V AC	
Operating frequency			50 Hz	
Rated breaking capacity (Icn)			10000 A	
1P+N Rating (A)	**Sensitivity (mA)**	**Width in 9mm mod**	**Curve C Reference**	**Price (S$)**
Type A				
6	30	4	A9D37606	*188.10*
10	30		A9D37610	*188.10*
16	30		A9D37616	*354.00*
20	30		A9D37620	*380.40*
25	30		A9D37625	*406.40*
32	30		A9D37632	*188.10*

Selected "B" curve rating available upon request

Not compatible with Isobar

Vigi iC60 & Vigi C120 add-on residual current devices (AC, A and Asi type) & (AC, A and SI type)

unit price (excl. GST in Singapore Dollars)

Vigi iC60 2 Poles

Vigi iC60 (AC, A and Asi type)

IEC/EN 61009-1

Combined with iC60 circuit breaker, the Vigi iC60 provide:

- protection of persons against electric shock by direct contact (≤ 30 mA)
- protection of persons against electric shock by indirect contact (≥ 100 mA)
- protection of installations against the risk of fire (300 mA or 500 mA)

Characteristics

Voltage rating (Ue)	230 - 240 V, 400 - 415 V
Operating frequency	50 / 60 Hz

D

Type AC

Rating (A)	Sensitivity (mA)	Width in 9mm mod	2 Pole		Width in 9mm mod	3 Pole		4 Pole	
			Reference	Price (S$)		Reference	Price (S$)	Reference	Price (S$)
25	30	3	A9V41225	*163.80*	6	A9V41325	*263.60*	A9V41425	*308.70*
	100		A9V12225	*167.60*		-		A9V12425	*244.20*
	300		A9V44225	*215.00*		A9V44325	*382.60*	A9V44425	*402.50*
40	30	4	A9V41240	*114.10*	7	A9V41340	*238.80*	A9V41440	*252.50*
	300		A9V44240	*142.30*		A9V44340	*238.80*	A9V44440	*304.30*
63	30	4	A9V41263	*177.00*	7	A9V41363	*351.20*	A9V41463	*389.80*
	100		A9V12263	*177.00*		-		A9V12463	*400.80*
	300		A9V44263	*267.40*		A9V44363	*332.40*	A9V44463	*372.10*

Type A

Rating (A)	Sensitivity (mA)	Width in 9mm mod	2 Pole		Width in 9mm mod	3 Pole		4 Pole	
			Reference	Price (S$)		Reference	Price (S$)	Reference	Price (S$)
25	30	3	A9V51225	*190.80*	6	A9V51325	*299.90*	A9V51425	*358.90*
	100					A9V22325	*221.10*		
	300		A9V54225	*241.00*		A9V54325	*404.10*		
63	30	4	A9V51263	*196.20*	7	A9V51363	*373.30*	A9V51463	*407.90*

Compatible with Isobar

Vigi C120 2 Poles

Vigi C120 (AC, A and SI type)

IEC 61009

When a Vigi C120 device is combined with a C120 circuit breaker, it provides the following functions:

- Protection of persons against electric shock by direct contact (30mA)
- Protection of persons against electric shock by indirect contact (≥ 300mA)
- Protection of installations against fire hazards (300mA to 1000mA)

Type AC*

Rating (A)	Sensitivity (mA)	Width in 9mm mod	2 Pole		Width in 9mm mod	3 Pole		4 Pole	
			Reference	Price (S$)		Reference	Price (S$)	Reference	Price (S$)
125	30	7	A9N18563	*694.60*	10	A9N18566	*811.40*	A9N18569	*857.70*
	300		A9N18564	*596.50*		A9N18567	*673.70*	A9N18570	*857.70*

**Consult availability for Type "A" and Type "A-SI"*

Acti 9 Smartlink & PowerTag
Wiser Energy

unit price (excl. GST in Singapore Dollars)

IEC 61131-2

The Acti 9 Smartlink transmits data from Acti 9 devices to a PLC or a supervision system via Ethernet or the Modbus line communication network.
The Acti 9 PowerTag are the smallest wireless powermeters available in the market. They are mounted directly on the Acti9 or Multi9 range of 18mm intervals up to 63A.

A9XMZA08

A9XMWA20

Acti 9 Smartlink and PowerTag Link

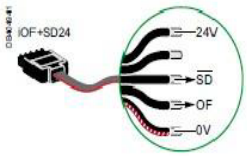
Type		Set of	Reference	Price (S$)
Acti 9 Smartlink (modbus slave)		1	A9XMSB11	*592.00*
Acti 9 Smartlink Ethernet - SIB (Ethernet & PowerTag Concentrator)		1	A9XMZA08	*845.30*
Supplied with	Modbus connector	1		
	24 V DC power supply connector	1		
	Locking clips for mounting on multiclip 80	2		
Acti 9 Smartlink Ethernet - SID (Din Mount Concentrator)		1	A9XMWA20	*452.00*
Supplied with	24 V DC power supply connector	1		
Acti 9 PowerTag Link C Cloud Connected Com		1	A9XELC10	*961.10*

EER31800

EER31700

Wiser Energy

Type	Set of	Reference	Price (S$)
Wiser Wireless PLC	1	EER31700	*927.70*
Wiser Energy Module IP	1	EER31800	*829.00*



Accessories for Smartlink

Type			Set of	Reference	Price (S$)
Link USB/Modbus for Acti 9 Smartlink test			1	A9XCATM1	*484.00*
Prefabricated cables:					
	With 2 connectors	Short: 100mm	6	A9XCAS06	*103.30*
		Medium-Sized: 160mm	6	A9XCAM06	*97.00*
		Long: 870mm	6	A9XCAL06	*117.00*
	With 1 connector	Long: 870mm	6	A9XCAU06	*88.00*
Connectors	5-pin connectors (Ti24)		12	A9XC2412	*174.00*
	Connectors		4	A9XPCD04	*75.00*
Mounting kit	DIN rail (4 feet, 4 straps, 4 adapters)		1	A9XMFA04	*60.00*
	Multiclip 200A (4 adapters)		1	A9XM2B04	*34.80*
Spare parts	Lock for Multiclip 80 A (2 clips)		1	A9XMLA02	*38.00*

Auxillary

	(V)	Set of	Reference	Price (S$)
CONTACTOR AUXILIARY	24V DC	1	A9C15924	*148.90*
ACTI9 IOF SD WITH TI24 PLC INTERF	24V DC	1	A9A26897	*33.70*

** Compatible with Isobar*

unit price (excl. GST in Singapore Dollars)

IEC 61557-12

A9MEM1540

PowerTag - Load metring and monitoring

PowerTags are electrical quantity measuring modules for 1P, 1P+N, 3P and 3P+N networks. They are mounted directly on the Acti9 and Multi9 ranges of 18mm intervals up to 63A.

Functions

Combined with Acti9 Smartlink SI B (Ethernet) or Acti9 Smartlink SI D (Ethernet) by radio-frequency communicati

> Cumulative active energy, total and partial (kWh)

> RMS values :

> > phase to neutral and phase to phase voltages (V)

> > current per phase (A)

> > total active power and active power per phase (W)

> > power factor

Installed upstream or downstream of a protective device, they measure useful data for diagnosis of the associated circuit.

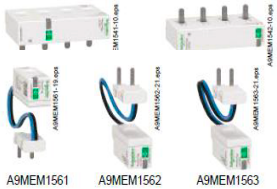
A9MEM1520

A9MEM1521

A9MEM1540

A9MEM1522

A9MEM1543


A9MEM1561 A9MEM1562 A9MEM1563

A9MEM1571 A9MEM1572

Sensors

Type		Reference	Price (S$)
1P	Top & bottom	A9MEM1520	*358.00*
1P+N	Top	A9MEM1521	*287.00*
	Bottom	A9MEM1522	*287.00*
3P	Top & bottom	A9MEM1540	*471.00*
3P+N	Top	A9MEM1541	*471.00*
	Bottom	A9MEM1542	*471.00*

Phase Neutral: Pitch of 9mm between phase and neutral

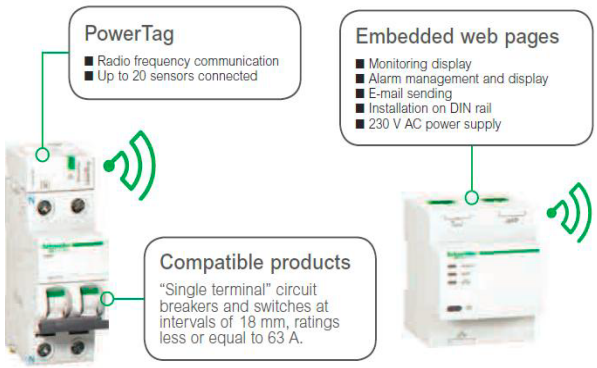
1P+N	Top	A9MEM1561	*258.00*
	Bottom	A9MEM1562	*258.00*
1P+N RCBO	Bottom for RCBO	A9MEM1563	*267.00*
3P+N	Top	A9MEM1571	*959.00*
	Bottom	A9MEM1572	*959.00*

PowerTag Flex for other devices and specific installations, rating less than or equal to 63 A.

1P+N	Top & bottom	A9MEM1560	*267.00*
3P+N	Top & bottom	A9MEM1570	*485.00*

A9MEM1560

A9MEM1570



ARA automatic reclosers
iC60 circuit breakers and iID residual current circuit breakers

unit price (excl. GST in Singapore Dollars)

ARA iC60 1P, 1P+N, 2P

The ARA reclosing auxiliary can:
- Perform automatic reclosing of the associated protection device, after tripping.
- Increase the availability of installations without supervision, isolated, hard of access and demanding very great availability (mobile telephony systems, motorways, pumping stations, airports, railway, meterological stations, service stations, automatic teller machines, public lighting, tunnels, etc.), by restoring them to operation without intervention by personnel in the event of a transient fault (atmospheric disturbances, industrial overvoltages, etc.)
- The operator can choose predefined reclosing program which allows the safety and availability of facilities to be reconciled taking into account the facility's environment.
- The circuit is placed in safety configuration by the padlocking device.

ARA iC60

For circuit breaker	Width in 9mm mod	Number of programs	Voltage	Reference	Price (S$)
1P, 1P+N, 2P	7	4	230 V AC, 50 Hz	A9C70132	*734.30*
3P, 4P	7	4	230 V AC, 50 Hz	A9C70134	*832.40*

ARA iID

For residual current circuit breaker	Width in 9mm mod	Number of programs	Voltage	Reference	Price (S$)
2P	7	1	230 V AC, 50 Hz	A9C70342	*762.90*
4P	7	1	230 V AC, 50 Hz	A9C70344	*873.80*

Not compatible with Isobar

RCA remote controls
iC60 circuit breakers

unit price (excl. GST in Singapore Dollars)

RCA iC60 1P, 1P+N, 2P
Without Ti24 interface

The RCA remote control system allows:
- Remote electrical control (opening and closing) of circuit breakers with or without Vigi add-on RCD, with or without auxiliary.
- Circuit-breaker resetting after tripping, in accordance with safely principles and the regulations in force.
- Local control by operating handle.
- Circuit placing in safely configurating by padlocking.

2 choices of operation after tripping:
- A: Enabling of remote circuit-breaker resetting;
- B: Inhibition of remote resetting.

The version with Ti24 interface allows:
- Direct interfacing of remote control with a programmable logic controller (PLC), a supervision system and any other communication device, having inputs/outputs in 24 V DC (control, OF and SD indications.)
- Remote indication by "OF" potential-free contact.
- Provision of 2 operating modes, "1 and 3"

The iMDU auxiliary allows RCA control in 24/48 V AC/DC.

Without Ti24 interface

With Ti24 interface

RCA remote control

For circuit breaker	Supply Voltage	Reference	Price (S$)
1P, 1P+N, 2P			
Without Ti24 interface	230 V AC, 50 Hz	A9C70112	*496.80*
With Ti24 interface	230 V AC, 50 Hz	A9C70122	*762.90*
3P, 4P			
Without Ti24 interface	230 V AC, 50 Hz	A9C70114	*520.40*
With Ti24 interface	230 V AC, 50 Hz	A9C70124	*790.50*

Not compatible with Isobar

iCT contactors

unit price (excl. GST in Singapore Dollars)

EN 61095, IEC 1095

iCT 4 Poles

Characteristics

Voltage rating (Ue)	1P, 2P	250 V AC
	3P, 4P	400 V AC
Frequency		50 Hz or 60 Hz

Pole	Width in 9mm mod	Rating (A) AC7a	AC7b	Control voltage (V AC) (50 Hz)	Contact	Reference	Price (S$)
1P	2	25	8.5	230…240	1NO	A9C20731	*52.40*
2P	2	25	8.5	230…240	2NO	A9C20732	*55.10*
					2NC	A9C20736	*65.60*
	4	40	15	220…240	2NO	A9C20842	*73.40*
		63	20	220…240	2NO	A9C20862	*127.40*
	6	100	-	220…240	2NO	A9C20882	*392.00*
3P	4	25	8.5	220…240	3NO	A9C20833	*58.00*
	6	40	15	220…240	3NO	A9C20843	*86.00*
		63	20	220…240	3NO	A9C20863	*151.10*
4P	4	25	8.5	220…240	4NO	A9C20834	*73.90*
					4NC	A9C20837	*89.40*
					2NO+2NC	A9C20838	*100.40*
	6	40	15	220…240	4NO	A9C20844	*113.10*
					4NC	A9C20847	*136.70*
	6	63	20	220…240	4NO	A9C20864	*168.20*
					4NC	A9C20867	*172.60*
					2NO+2NC	A9C20868	*120.80*
	12	100	-	220…240	4NO	A9C20884	*279.50*

Also available in 24V and 48V

D

iTL, iTLI impulse relays
iTLc, iTLs with built-in auxiliary function

unit price (excl. GST in Singapore Dollars)

IEC/EN 60669-2-2
iTLs: IEC/EN 60947-5-1

iTL 16A 1 Pole

Characteristics

Voltage rating (Ue)	1P, 2P	24...250 V AC
	3P, 4P	24...415 V AC
Frequency		50 Hz or 60 Hz

	Pole		Control Voltage (Uc) (V AC)	Control Voltage (Uc) (V DC)	Reference	Price (S$)
iTL impulse relays						
iTL 16 A	1P	1 NO	230...240	110	A9C30811	*23.20*
	2P	2 NO	230...240	110	A9C30812	*40.80*
	3P	1 NO + 1NO/NC + 1 NO	230...240	110	A9C30811 + A9C32816	*23.20* *41.90*
	4P	4 NO	230...240	110	A9C30814	*77.80*
iTLI impulse relays						
iTLI 16A	1P	1 NO + 1 NC	230...240	110	A9C30815	*92.10*
iTLc impulse relay with centralised control						
iTLc 16A	1P	1 NO	230...240	-	A9C33811	*52.40*

D

iPF K Surge arresters
Type 2 LV surge arresters

unit price (excl. GST in Singapore Dollars)

The iPF K multi-pole single-piece surge arrester range is adapted for earthing systems:TT, TN-S, TN-C.
Type 2 surge arresters are tested with a 8/20 µs current wave

Rated discharge current (Imax) / Nominal discharge current (In)	Type of Protection	Earthing system	Surge arrester name			Width in mod. of 9 mm	Up - (kV) Voltage protection level			Un - (V) Rated voltage network	Uc - (V) Maximum continuous operating voltage		
							CM*		DM*		CM*		DM*
	Incoming						L/ ⏚	N/ ⏚	L/N		L/ ⏚	N/ ⏚	L/N
65 kA / 20 kA			iPF K65		Price (S$)								
Very high risk level	**iPF K 65**	TT & TN-S	3P+N	A9L15586	*570.00*		-	≤ 1.5	≤ 1.5		-	260	340
40 kA / 15 kA			iPF K40										
High risk level	**iPF K 40**	TN	1P	A9L15686	*86.00*	2	≤ 1.5	-	-	230	340	-	-
		TT & TN-S	1P + N	A9L15687	*193.50*	4	-	≤ 1.5	≤ 1.5		-	260	340
		TN-C	3P	A9L15582	*289.50*	8	≤ 1.5	-	-	230/400	340	-	-
		TT & TN-S	3P + N	A9L15688	*457.10*		-	≤ 1.5	≤ 1.5		-	260	340
20 kA / 5 kA			iPF K20										
Medium risk level	**iPF K 20**	TN	1P	A9L15691	*77.80*	2	≤ 1.1	-	-	230	340	-	-
		TT & TN-S	1P + N	A9L15692	*148.90*	4	-	≤ 1.5	≤ 1.1		-	260	340
		TN-C	3P	A9L15597	*260.80*	8	≤ 1.1	-	-	230/400	340	-	-
		TT & TN-S	3P + N	A9L15693	*420.10*		-	≤ 1.5	≤ 1.1		-	260	340

** CM: common mode (phase to earth and neutral to earth). * DM: differential mode (phase to neutral). (1) Uoc: combinated waveform voltage: 10 kV.*

1P

1P + N

3P

4P

D

iPRD surge arresters
Type 2 or 3 LV withdrawable surge arresters

unit price (excl. GST in Singapore Dollars)

iPRD withdrawable surge arresters allow quick replacement of damaged cartridges.
Type 2 surge arresters are tested with a 8/20 µs current wave.
Type 3 surge arresters are tested with a 1.2/50 µs and 8/20 µs combined wave.

Each surge arrester in the range has a specific application:
□ **incoming protection (type 2):**
- the iPRD65r is recommended for a very high risk level (strongly exposed site)
- the iPRD40(r) is recommended for a high risk level
- the iPRD20(r) is recommended for a medium risk level

□ **secondary protection (type 2 or 3):**
-- the iPRD8(r) ensures secondary protection of loads to be protected and is placed in cascade with the incoming surge arresters. This surge arrester is required when the loads to be protected are at a distance of more than 10 m from the incoming surge arrester.

The iPRD surge arresters with "r" indication have remote transfer of the information: "cartridge to be replaced".

2P

4P

Type of Protection & Rated discharge current (Imax)		Nominal discharge current (In)	Earthing system	Transfer	Surge arrester name			Width in mod. of 9 mm	Up - (kV) Voltage protection level			Un - (V) Rated voltage network	Uc - (V) Maximum continuous operating voltage		
									CM*		DM*		CM*		DM*
Incoming	**Secondary**								L/ ⏚	N/ ⏚	L/N		L/ ⏚	N/ ⏚	L/N
iPRD65					iPRD65		**Price (S$)**								
iPRD65 65kA Very high risk level (strongly exposed site)		20 kA	TT & TN	□	iPRD65r 1P	A9L65101	*182.00*	2	≤ 1.5	-	-	230	350	-	-
			TT & TN-S	□	iPRD65r 1P+N	A9L65501	*293.90*	4	-	≤ 1.4	≤ 1.5		-	260	350
			TN-C-S	□	iPRD65r 2P	A9L65201	*571.10*		≤ 1.5	≤ 1.5	-		350	350	-
			TN-C	□	iPRD65r 3P	A9L65301	*791.10*	6	≤ 1.5	-	-	230/400	350	-	-
			TT & TN-S	□	iPRD65r 3P+N	A9L65601	*395.90*	8	-	≤ 1.4	≤ 1.5		-	260	350
			TN-C-S	□	iPRD65r 4P	A9L65401	*1,020.40*		≤ 1.5	≤ 1.5	-		350	350	-
iPRD40					iPRD40										
iPRD40 40kA High risk level		15 kA	TT & TN	□	iPRD40r 1P	A9L40101	*174.20*	2	≤ 1.6	-	-	230	350	-	-
			TT & TN		iPRD40 1P	A9L40100	*107.00*		≤ 1.6	-	-		350	-	-
			TT & TN-S	□	iPRD40r 1P+N	A9L40501	*231.50*	4	-	≤ 1.4	≤ 1.6		-	260	350
			TT & TN-S		iPRD40 1P+N	A9L40500	*199.10*		-	≤ 1.4	≤ 1.6		-	260	350
			TN-C-S	□	iPRD40r 2P	A9L40201	*417.90*		≤ 1.6	≤ 1.6	-		350	350	-
			TN-C-S		iPRD40 2P	A9L40200	*178.10*		≤ 1.6	≤ 1.6	-		350	350	-
			TN-C	□	iPRD40r 3P	A9L40301	*596.50*	6	≤ 1.6	-	-	230/400	350	-	-
			TN-C		iPRD40 3P	A9L40300	*476.90*		≤ 1.6	-	-		350	-	-
			TT & TN-S	□	iPRD40r 3P+N	A9L40601	*356.20*	8	-	≤ 1.4	≤ 1.6		-	260	350
			TT & TN-S		iPRD40 3P+N	A9L40600	*317.50*		-	≤ 1.4	≤ 1.6		-	260	350
			TN-C-S	□	iPRD40r 4P	A9L40401	*788.90*		≤ 1.6	≤ 1.6	-		350	350	-
			TN-C-S		iPRD40 4P	A9L40400	*307.70*		≤ 1.6	≤ 1.6	-		350	350	-
iPRD20					iPRD20										
iPRD20 20kA Medium risk level		5 kA	TT & TN		iPRD20 1P	A9L20100	*116.30*	2	≤ 1.2	-	-	230	350	-	-
			TT & TN-S	□	iPRD20r 1P+N	A9L20501	*178.60*	4	-	≤ 1.4	≤ 1.2		-	260	350
			TT & TN-S		iPRD20 1P+N	A9L20500	*169.30*		-	≤ 1.4	≤ 1.2		-	260	350
			TN-C-S		iPRD20 2P	A9L20200	*325.80*		≤ 1.2	≤ 1.2	-		350	350	-
			TN-C		iPRD20 3P	A9L20300	*440.00*	6	≤ 1.2	-	-	230/400	350	-	-
			TT & TN-S	□	iPRD20r 3P+N	A9L20601	*599.80*	8	-	≤ 1.4	≤ 1.2		-	260	350
			TT & TN-S		iPRD20 3P+N	A9L20600	*277.80*		-	≤ 1.4	≤ 1.2		-	260	350
			TN-C-S		iPRD20 4P	A9L20400	*589.90*		≤ 1.2	≤ 1.2	-		350	350	-
iPRD8					iPRD8 (1)				Type 2 / Type 3 (1)						
	iPRD8 8 kA Secondary protection: placed near the loads to be protected when they are at a distance of more than 10 m from the incoming surge arrester	2.5 kA	TT & TN		iPRD8 1P	A9L08100	*93.80*	2	≤ 1.2	-	-	230	350	-	-
			TT & TN-S	□	iPRD8r 1P+N	A9L08501	*257.50*	4	-	≤ 1.4	≤ 1.2		-	260	350
			TT & TN-S		iPRD8 1P+N	A9L08500	*178.10*		-	≤ 1.4	≤ 1.2		-	260	350
			TN-C-S		iPRD8 2P	A9L08200	*304.30*		≤ 1.2	≤ 1.2	-		350	350	-
			TN-C		iPRD8 3P	A9L08300	*373.80*	6	≤ 1.2	-	-	230/400	350	-	-
			IT	□	iPRD8r 3P IT	A9L08321	*484.10*		≤ 1.6 / ≤ 1.8	-	-		460	-	-
			TT & TN-S	□	iPRD8r 3P+N	A9L08601	*532.60*	8	-	≤ 1.4	≤ 1.2		-	260	350
			TT & TN-S		iPRD8 3P+N	A9L08600	*431.70*		-	≤ 1.4	≤ 1.2		-	260	350
			TN-C-S		iPRD8 4P	A9L08400	*502.20*		≤ 1.2	≤ 1.2	-		350	350	-

** CM: common mode (phase to earth and neutral to earth). * DM: differential mode (phase to neutral). (1) Uoc: combinated waveform voltage: 10 kV.*

Cartridge

Spare cartridges iPRD

Type	Spare	Part	Price (S$)
iPRD 65-350	iPRD65r	A9L65102	*348.40*
iPRD 40-350	iPRD40, iPRD40r	A9L40102	*204.50*
iPRD 20-350	iPRD20, iPRD20r	A9L20102	*193.00*
iPRD 8-350	iPRD8, iPRD8r	A9L08102	*195.20*
iPRD Neutral	All products (1P+N, 3P+N)	A9L00002	*371.60*

Electrical auxiliaries for iC60, iID, RCA and ARA

unit price (excl. GST in Singapore Dollars)

IEC/EN 60947-1
- Tripping auxiliaries

IEC/EN 60947-5-1
- Indication auxiliaries

IEC/EN 60947-7-1
- Multiclip 80A splitter block

iMN Tripping Unit 220/240 V

iOF Auxiliary Contact

		Rated Voltage (Ue)		Operating Frequency (Hz)	Current (A)	Reference	Price (S$)
		V AC	V DC				
Tripping							
Undervoltage release	Instantaneous iMN	220…240	-	50/60	-	A9A26960	*115.30*
	Independent of the supply voltage iMNx	220…240	-	50/60	-	A9A26969	*310.40*
Shunt release	iMX	100…415	110…130	50/60	-	A9A26476	*78.30*
		12…24	12…24	50/60	-	A9A26478	*78.30*
	With Open/Close auxiliary contact iMX+OF	100…415	110…130	50/60	-	A9A26946	*78.30*
		48	48	50/60	-	A9A26947	*78.30*
		12…24	12…24	50/60	-	A9A26948	*78.30*
Indication							
Open/close auxiliary contact							
					2 mA - 100 mA	A9A26914	*24.20*
	iOF	240…415	24…130	50/60			
					100 mA - 6A	A9A26904	*24.20*
Fault indicating contact							
					2 mA - 100 mA	A9A26917	*24.20*
	iSD	240…415	24…130	50/60			
					100 mA - 6A	A9A26907	*24.20*
Double open/close or fault indicating contact							
					2 mA - 100 mA	A9A26919	*47.80*
	iOF/SD+OF	240…415	24…130	50/60			
					100 mA - 6A	A9A26909	*47.80*

Electrical auxiliaries for C120 and C60H-DC device

unit price (excl. GST in Singapore Dollars)

IEC/EN 60947-1
- Tripping auxiliaries

IEC/EN 60947-5-1
- Indication auxiliaries

iOF Auxiliary Contact

Tripping

Auxiliaries	Type	Rated Voltage (Ue)		Operating frequency (Hz)	Reference	Price (S$)
		V AC	V DC			
Undervoltage release	Instantaneous	220…240	-	50/60	A9N26960	*218.30*
	MN	48	48	50/60	A9N26961	*218.30*
	Independent of the supply voltage MNx	230	-	50/60	A9N26969	*113.60*
Shunt release	MX	100…415	110…130	50/60	A9N26476	*75.00*
		48	48	50/60	A9N26477	*73.40*
		12…24	12…24	50/60	A9N26478	*78.30*
	With Open/Close auxiliary contact MX+OF	100…415	110…130	50/60	A9N26946	*78.30*
		12…24	12…24	50/60	A9N26948	*78.30*

Indication

Auxiliaries	Type	Rated Voltage (Ue)		Operating frequency (Hz)	Current (A)	Reference	Price (S$)
		V AC	V DC				
Open/close auxiliary contact	OF	24…415	24…130	50/60	2 mA - 100 mA	A9N26914	*26.30*
					100 mA - 6A	A9N26904	*26.30*
Fault indicating contact	SD	24…415	24…130	50/60	2 mA - 100 mA	A9N26917	*26.30*
					100 mA - 6A	A9N26907	*26.30*
Double open/close or fault indicating contact	SD+OF	24…415	24…130	50/60	2 mA - 100 mA	A9N26914 + A9N26917	*52.60*
					100 mA - 6A	A9N26909	*57.20*
	OF+OF				2 mA - 100 mA	A9N26914 + A9N26914	*52.60*
					100 mA - 6A	A9N26909	*57.20*
Double open/close and fault indicating contact	OF/SD24	-	24	-	2 mA	A9N26899	*82.70*

Accessories for iC60, iID, Reflex iC60, RCA, ARA

unit price (excl. GST in Singapore Dollars)

Rotary handle

Plug-in base

Padlocking device

Screw shield

Terminal shield

Inter-pole barrier

Spacer

Mounting

Type		Set of	Reference	Price (S$)
Rotary handle	black handle	1	A9A27005	*222.20*
	red handle	1	A9A27006	*237.10*
	no handle	1	A9A27008	*530.90*
Plug-in base	1 per pole	1	A9A27003	*58.00*
Padlocking device		10	A9A26970	*40.80*

Suitability

	iC60	iC60 + Vigi iC60	iID	Reflex iC60 or RCA + iC60 or ARA + iC60	ARA + iID
Rotary handle	■ 2P, 3P, 4P	■ 2P, 3P, 4P	■	-	-
Plug-in base	■	-	■ ≤ 63 A	-	-
Padlocking device	■	■	■	■	■

Security

Type	Set of	Reference	Price (S$)
Screw shield	20 x 4 poles (splittable)	A9A26981	*147.70*
Terminal shield	2 x 1 pole	A9A26975	*40.80*
	2 x 2 pole	A9A26976	*40.80*
Spacer	5	A9A27062	*47.50*

Suitability

	iC60	Vigi iC60	iID	Reflex iC60 or RCA + iC60 or ARA + iC60	ARA + iID
Screw shield					
12 x 1 pole	-	■	-	-	-
20 x 4 poles (splittable)	■	-	■	■	■
Terminal shield					
2 x 1 pole	■	-	-	■	■
2 x 2 pole	■	-	■	■	■
Inter-pole barrier	■	-	■	■	■
Spacer	■	■	■	■	■

D

Accessories for C120, C60H-DC and iSW

unit price (excl. GST in Singapore Dollars)

Rotary handle

Plug-in base

Padlocking device

Terminal shield

Spacer

Mounting

Type (see below suitability)		Set of	Reference	Price (S$)
Rotary handle	Removable extended handle	1	27047	*116.60*
	Fixed handle	1	27048	*110.30*
	Operating sub-assembly	1	27046	*148.60*
Plug-in base	1 per pole (see below table)	1	26997	*58.80*
Padlocking device		4	27145	*91.40*
		2	26970	*15.30*

Suitability

		C120	C120 + Vigi C120	C60H-DC	iSW (40 to 63A)
Rotary handle		■ 2P, 3P, 4P	■ 2P, 3P, 4P	■ 2P	■ ≥ at 4 modules of 9mm
Plug-in base	26996	-	-	■	■
	26997	■ ≤ 63 A	-	-	-
Padlocking device	27145	■	■	-	-
	26970	-	-	■	■

Security

Type (see below suitability)	Set of	Reference	Price (S$)
Screw shield	(4P dividable)	26981	*25.80*

Suitability

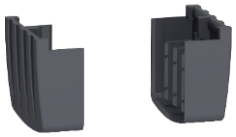
		C120	C120 + Vigi C120	C60H-DC	iSW (40 to 63A)
Screw shield	18527	■	-	-	-
	26981	-	-	■	■
Terminal shield	18526	■	-	-	-
	26975	-	-	■	■
	26976	-	-	■	■
Inter-pole barrier	27001	■	-	■	■
Spacer	A9N27062	■	■	■	■

Comb busbars for Acti 9 (iC60) and Isolatable fuse-carriers without fuse

unit price (excl. GST in Singapore Dollars)

PB110234

PB110237



PB114638

1P, 2P, 3P, 4P Comb busbars

Pole	Set of	No. of 18mm modules	Reference	Price (S$)
1P	1	12	A9XPH112	*33.70*
	1	24	A9XPH124	*35.90*
2P	1	12	A9XPH212	*41.90*
	1	24	A9XPH224	*51.30*
3P	1	12	A9XPH312	*62.40*
	1	24	A9XPH324	*68.40*
4P	1	12	A9XPH412	*82.20*
	1	24	A9XPH424	*159.40*

Accessories

Type	Set of	Nos. of pole	Reference	Price (S$)
End-piece	10	1P	A9XPE110	*22.10*
	10	2P	A9XPE210	*19.80*
	10	3P	A9XPE310	*22.10*
	10	4P	A9XPE410	*22.10*
Tooth covers	20		A9XPT920	*30.90*
Connectors monoconnect			A9XPCM04	*37.00*

STI isolatable fuse-carriers without fuse (IEC 947.3)

Pole	Size of Fuses (mm)	Voltage (V)	Ampere Rating (A)	Reference	Price (S$)
1P	8.5 x 31.5	400	2 to 10	A9N15635	*13.20*
	10.3 x 38	500	2 to 25	A9N15636	*13.20*
1P+N	10.3 x 38	500	2 to 25	A9N15646	*32.00*
2P		400	2 to 10	A9N15650	*38.10*
	10.3 x 38	500	2 to 25	A9N15651	*38.60*
3P	8.5 x 31.5	400	2 to 10	A9N15655	*56.30*
	10.3 x 38	500	2 to 25	A9N15656	*56.30*

A9N15635

A9N15650

A9N15655

unit price (excl. GST in Singapore Dollars)

iSW control switches (20, 32 A)
IEC/EN 60669-2-4, iSW switch without indicator light.

iSW switch-disconnectors (40 to 125 A)
IEC 60947-3

Acti9 iSW Switch 1P 20A

Acti9 iSW Switch 3P 20A

New!

iOF Auxiliary contact

Main characteristics

		20, 32A iSW without indicator light	40 to 125A iSW
Insulation voltage (Ui)	1P	250V AC	250V AC
	2P, 3P, 4P	500V AC	500V AC
Control voltage (Ue)	1P	250V AC	250V AC
	2P, 3P, 4P	415V AC	415V AC
Rated short-circuit closing current (Inc)		3 kA	6 kA

20, 32 A iSW control switches

Type	Width in 9mm mod	Rating	Reference	Price (S$)
1P	2	20 A	A9S60120	*17.60*
		32 A	A9S60132	*16.60*
2P	2	20 A	A9S60220	*22.10*
		32 A	A9S60232	*24.90*
3P	4	20 A	A9S60320	*32.00*
		32 A	A9S60332	*37.50*
4P	4	20 A	A9S60420	*47.50*
		32 A	A9S60432	*45.30*

40 to 125 A iSW switch-disconnectors

Type	Width in 9mm mod	Rating	Reference	Price (S$)
1P	2	40 A	A9S65140	*21.50*
2P	4	63 A	A9S65163	*32.60*
		100 A	A9S65191	*51.90*
		40 A	A9S65240	*32.60*
		63 A	A9S65263	*36.40*
		100 A	A9S65291	*53.60*
		125 A	A9S65292	*115.30*
3P	6	40 A	A9S65340	*48.00*
		63 A	A9S65363	*59.00*
		100 A	A9S65391	*179.20*
		125 A	A9S65392	*207.90*
4P	8	40 A	A9S65440	*71.70*
		63 A	A9S65463	*81.10*
		100 A	A9S65491	*100.40*
		125 A	A9S65492	*271.80*

Auxiliary

Type	Width in 9mm mod	Voltage (Ue)	Current (A)	Reference	Price (S$)
iOF	1	240 - 415 A VC 24 - 130 V DC	2 mA - 100 mA	A9A26914	*24.20*
			100 mA to 6A	A9A26904	*24.20*

**New References*

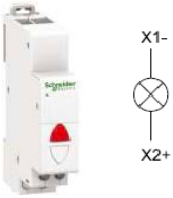
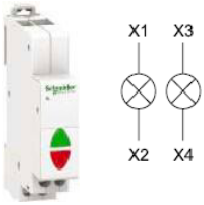
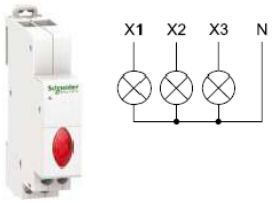
iIL indicator lights

unit price (excl. GST in Singapore Dollars)

IEC 60947-5-1

■ iIL indicator lights light up to indicate that a voltage is present.

iIL indicator lights

Type	Diagram	Voltage	Colour	Reference	Price (S$)
Single		110…230 V AC	Red	A9E18320	*22.70*
			Green	A9E18321	*22.70*
			White	A9E18322	*22.70*
			Blue	A9E18323	*22.70*
			Yellow	A9E18324	*22.70*
Double			Green/red	A9E18325	*31.50*
			White/ white	A9E18328	*31.50*
Three-phase voltage presence indicator light		230…400 V AC (3 phases)	Red/ red/ red	A9E18327	*74.40*

D

RT Time delay relays (remote control)

unit price (excl. GST in Singapore Dollars)

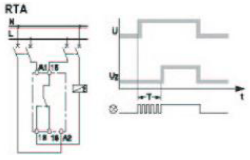
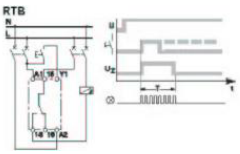
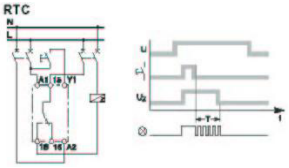
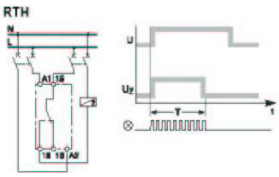
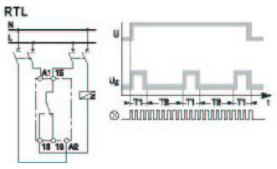
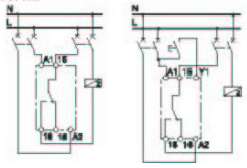
RT Time delay relays

Time delay range: 0.1 s to 100 h

Control and supply voltage:

- 24V DC ± 10%
- 24...240V AC ± 10%
- RTMF: 12…240V AC/DC ±10%

Frequency: 50…60Hz

Type	Description		Reference	Price (S$)
iRTA	Delays energisation of a load		A9E16065	*82.20*
iRTB	Applies a time delay to energisation of a load on closing of an auxiliary contact (pushbutton)		A9E16066	*82.20*
iRTC	Delays energisation of a load on closing of an auxiliary contact (Pushbutton)		A9E16067	*82.20*
iRTH	Applies a time delay to de-energisation of a load		A9E16068	*81.10*
iRTL	Applies a time delay to energisation and de-energisation of a load for different periods of time, repeatedly (flashing indicator).		A9E16069	*85.50*
iRTMF	Lets you select one of the 4 time delay types: A, B, C or H		A9E16070	*161.00*

Programmable and mechanical time switches & IC light sensitive switches, MIN Timer and accessories

unit price (excl. GST in Singapore Dollars)

Programmable time switch IHP 1c18mm

Programmable time switches

230VAC ±10% 50/60Hz

Time accuracy: ±1 second per day at 20°C

Type	Number of channels	Min. time between 2 switching operations	Number of switching operations	Saving on mains cut off	Override controls On / Off	Contact rating (A)	Reference	Price (S$)
24 hours and /or 7 days								
IHP 1c18mm	1	1 min.	28	3	On / Off	16	CCT15854	*193.00*

Mechanical time switch IHH 24h 1c ARM

Mechanical time switches

230VAC ±10% 50/60Hz

Time accuracy: ±1 second per day at 20°C

24 hours or 7 days

Type	Number of channels	Min. time between 2 switching operations	Number of switching operations	Saving on mains cut off	Override controls On / Off	Contact rating (A)	Reference	Price (S$)
IHH 7d 1c ARM	1	2h	42 On - 42 Off	100 h	On / Off	16	15331	*156.00*
IH 24h 1c ARM	1	15 mins.	48 On - 48 Off	100 h	On / Off	16	15336	*80.00*

Mechanical time switch IH 24h 1c ARM

60 min, 24 hrs, 7days

Type	Number of channels	Min. time between 2 switching operations	Number of switching operations	Saving on mains cut off	Override controls On / Off	Contact rating (A)	Reference	Price (S$)
IH 24h 1c ARM	1	30 min.	24 On - 24 Off	150 h	On	16	CCT15365	*143.30*
IH 7d 1c ARM	1	4 h	21 On - 21 Off	150 h	On	16	CCT15367	*147.70*

Mechanical time switch IH 24h + 7d 1 + 1c ARM

Mechanical timer MIN

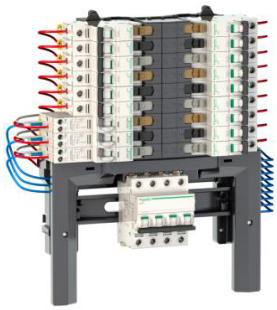
MIN Timer

	Adjustable Time Delay	Voltage (V)	Rating (A)	Reference	Price (S$)
MIN	1 - 7 min	220/240	16	15363	*105.30*

D

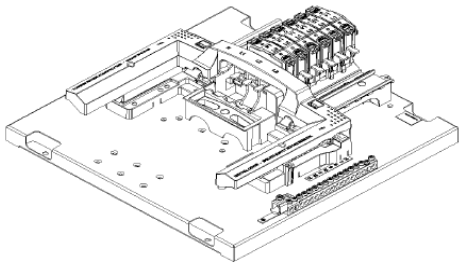
Isobar distribution board for Acti9

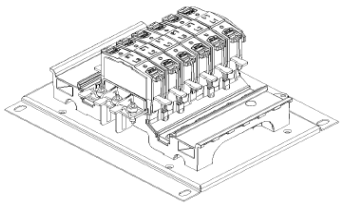
unit price (excl. GST in Singapore Dollars)



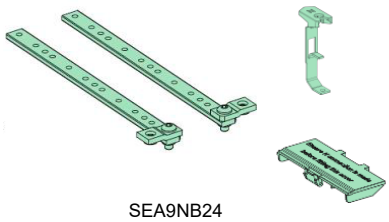
Acti9 Isobar distribution board

- B board assembly for iC60 MCBs
- 3 phase distribution
- Isobar disconnector conforms to BS EN 60947-3
- Any mix of 1,2,3,4P devices plus outgoing neutral switching
- Non removable busbar covers
- 4 to 24 triple pole ways
- Insulated neutral cover

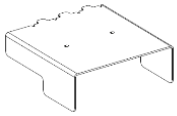


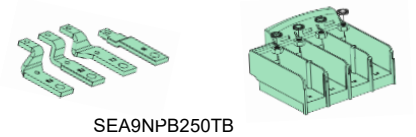


TNA structure



SEA9NB24





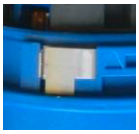
SEA9NPB250TB

No. of Ways	Description	Reference	Price (S$)
PEV Type (TP+ earth and neutral)			
24	Pan assembly 24 way TP+ E and N	SEA9BN24PEV	*1,533.00*
18	Pan assembly 18 way TP+ E and N	SEA9BN18PEV	*1,198.60*
16	Pan assembly 16 way TP+ E and N	SEA9BN16PEV	*1,494.20*
12	Pan assembly 12 way TP+ E and N	SEA9BN12PEV	*1,128.80*
8	Pan assembly 8 way TP+ E and N	SEA9BN8PEV	*925.60*
6	Pan assembly 6 way TP+ E and N	SEA9BN6PEV	*753.60*
TNA Type (without neutral structure)			
24	24 TP&N way panel fixing pan assm	SEA9BN24TNA	*1,279.40*
18	18 TP&N way panel fixing pan assm	SEA9BN18TNA	*1,333.50*
16	16 TP&N way panel fixing pan assm	SEA9BN16TNA	*1,230.10*
12	12 TP&N way panel fixing pan assm	SEA9BN12TNA	*896.90*
8	8 TP&N way panel fixing pan assm	SEA9BN8TNA	*722.20*
6	6 TP&N way panel fixing pan assm	SEA9BN6TNA	*600.40*
Distributed neutral kit			
24	Distributed neutral for 24 way TP+N	SEA9NB24	*383.70*
16	Distributed neutral for 16 way TP+N	SEA9NB16	*369.90*
12	Distributed neutral for 12 way TP+N	SEA9NB12	*257.50*
8	Distributed neutral for 8 way TP+N	SEA9NB8	*231.50*
6	Distributed neutral for 6 way TP+N	SEA9NB6	*198.50*
Accessories			
250 amp	Terminal block connection	SEA9NPB250TB	*153.80*
Phase to neutral	Conversion kit (pack of 4)	SEA9NKIT	*131.80*
MCCB/Interpact	Connection kit	SEA9BINCKIT	*689.60*
125 A	Terminal block 1 pole	SEA9TB1001	*61.20*
-	Blank pole	SEA9BP	*41.90*

Low voltage PK Industrial Plugs

unit price (excl. GST in Singapore Dollars)

Rapidity
¼ rotation without screws for opening and closing system



Safety
stainless-steel insert (spring)
No « accidental » opening by general public at temporary site

Functionality & ergonomics
□ the cap of the wander socket is provided with fin for easy maneuver during the insertion into the plug

□ comfortable handgrip even with worn gloves.

Environmentally Friendly
the used thermoplastic materials are free from halogen, cadmium, silicon and PVC and they are totally recyclable.

PK wander plugs

Rated votlage V ac	Rated current A	Poles and wires	Clock position of contact	Protection	Reference	Price (S$)
100-130	16	2P+E	4 h	IP44	PKE16M413	*19.53*
200-250	16	2P+E	6 h	IP44	PKE16M423	*12.29*
	32	2P+E	6 h	IP44	PKE32M423	*22.26*
380-415	16	3P+E	6 h	IP44	PKE16M434	*17.85*
		3P+N+E	6 h	IP44	PKE16M435	*22.89*
	32	3P+E	6 h	IP44	PKE32M434	*23.42*
		3P+N+E	6 h	IP44	PKE32M435	*28.46*
	63	3P+E	6 h	IP67	81382	*79.70*
		3P+N+E	6 h	IP67	81383	*81.90*
	125	3P+E	6 h	IP67	81394	*231.63*
		3P+N+E	6 h	IP67	81395	*251.69*

D

Low voltage PK Industrial Sockets

unit price (excl. GST in Singapore Dollars)

PK Sockets

Wander sockets		Wall-mounted sockets		Panel mounted sockets	
Reference	**Price (S$)**	**Reference**	**Price (S$)**	**Reference**	**Price (S$)**
PKF16M423	*15.54*	83104	*28.46*	PKF16F413	*28.46*
PKF32M423	*27.41*	83116	*49.67*	PKF16F423	*17.85*
PKF16M434	*20.69*			PKF32F423	*30.66*
PKF16M435	*25.10*			PKF16F434	*22.89*
PKF32M434	*34.02*	83121	*54.60*	PKF16F435	*27.41*
PKF32M435	*40.11*	81182	*134.82*	PKF32F434	*33.39*
81482	*129.15*	81183	*158.76*	PKF32F435	*36.86*
81483	*139.23*	81194	*327.39*	81282	*99.12*
81494	*314.06*	81195	*361.41*	81283	*108.57*
81495	*349.13*			81295	*594.72*

Switch-Disconnectors

Compact INS40 to 160
Complete fixed/FC device and accessories E1

Compact INS250 to 630
Complete fixed/FC device and accessories E2

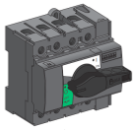
Compact INS630b to 2500
Complete fixed/FC device and accessories E3

E

unit price (excl. GST in Singapore Dollars)

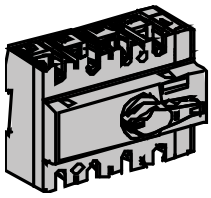
Compact INS40 to 160 standard version with black handle

E33365



	3 Pole	Price (S$)	4 Pole	Price (S$)
Compact INS40	**28900**	*108.50*	**28901**	*120.50*
Compact INS63	**28902**	*118.50*	**28903**	*143.50*
Compact INS80	**28904**	*131.50*	**28905**	*160.50*
Compact INS80PV - Photovoltaic			**28907**	*575.00*

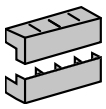
E33366



	3 Pole	Price (S$)	4 Pole	Price (S$)
Compact INS100	**28908**	*225.00*	**28909**	*248.00*
Compact INS125	**28910**	*240.00*	**28911**	*264.00*
Compact INS160	**28912**	*307.50*	**28913**	*339.50*

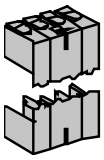
Connection accessories

Terminal shrouds



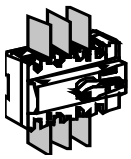
			Reference	Price (S$)
Compact INS40 to 80	3P/4P	Set of 2	**28955**	*43.50*
Compact INS100 to 160	3P/4P	Set of 2	**28956**	*54.00*

Terminal shields



			Reference	Price (S$)
Compact INS40 to 80	3P/4P	Set of 2	**28957**	*60.00*
Compact INS100 to 160	3P/4P	Set of 2	**28958**	*71.50*

Interphase barriers



			Reference	Price (S$)
Compact INS100 to 160	3P/4P	Set of 6	**28959**	*50.50*

Electrical auxiliaries

Auxiliary contacts

		Reference	Price (S$)
1 OF / CAF / CAO (standard)	INS40 to 160	**29450**	*51.50*
1 OF / CAF / CAO (low level)	INS40 to 160	**29452**	*72.50*

Rotary handles

Accessories for conversion to extended rotary handles

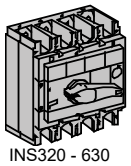
			Reference	Price (S$)
Front control	Black handle	INS40 to 160	**LV428941**	*90.00*
	Red handle on yellow front	INS40 to 160	**LV428942**	*90.00*

E

unit price (excl. GST in Singapore Dollars)

Compact INS250 to 630 standard version with black handle

INS250

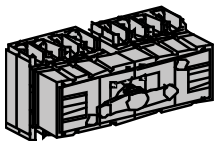

INS320 - 630

	3 Pole	Price (S$)	4 Pole	Price (S$)
Compact INS250	**31106**	*378.50*	**31107**	*361.00*
Compact INS320	**31108**	*637.00*	**31109**	*703.00*
Compact INS400	**31110**	*687.50*	**31111**	*758.00*
Compact INS500	**31112**	*988.00*	**31113**	*1,090.50*
Compact INS630	**31114**	*1,162.50*	**31115**	*1,282.00*

Source changeover systems

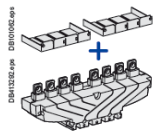
Complete assembly

E89638



	3 Pole	Price (S$)	4 Pole	Price (S$)
With Compact INS250	**31146**	*1,262.50*	**31147**	*1,340.50*
With Compact INS320	**31148**	*2,019.50*	**31149**	*2,276.00*
With Compact INS400	**31150**	*2,506.50*	**31151**	*2,828.00*
With Compact INS500	**31152**	*2,799.00*	**31153**	*3,128.50*
With Compact INS630	**31154**	*3,056.00*	**31155**	*3,440.50*

Downstream coupling accessories

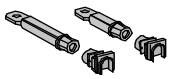


Short terminal shields (1 pair) + "normal source/"replacement' source	3/4 Pole	Price (S$)
INS250/INS250	**LV429359**	*792.60*
INS320 to INS630/INS320 to INS630	**LV432620**	*1,012.00*

Connection accessories

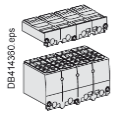
Rear connections

E18579



	INS250	Price (S$)	INS320-630	Price (S$)
Short (1 pair)	**LV429235**	*70.00*	**LV432475**	*119.50*
Long (1 pair)	**LV429236**	*100.00*	**LV432476**	*192.50*

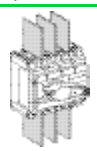
Terminal shields



1 Short	3/4 P	**LV429516**	*20.50*	**LV432592**	*34.00*
1 Long	3/4 P	**LV429518**	*31.50*	**LV432594**	*62.00*
Long for 52.5 mm spreader (supplied with insulating plate)	3/4 P			**LV432596**	*101.00*

Interphase barriers

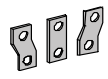
E18606



	Set of 6	**LV429329**	*26.50*	**LV432570**	*38.00*

Spreaders (for upstream or downstream connection)

E18599



			INS320-630	Price (S$)
One-piece	52.5 mm	3P	**LV432490**	*74.50*
		4P	**LV432491**	*104.50*
	70 mm	3P	**LV432492**	*112.00*
		4P	**LV432493**	*149.00*

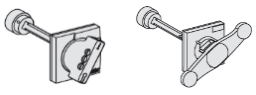
Electrical auxiliaries

Auxiliary contacts (changeover type)

	Reference	Price (S$)
OF or CAM (early make or break)	**29450**	*51.50*
Low level OF or CAM (early make or break)	**29452**	*72.50*

Rotary handles

Extended front control

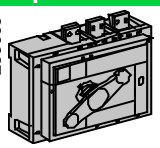


	Reference	Price (S$)
For Compact INS250 with standard rotary handle	**LV431050**	*273.00*
For Compact INS320/400/630 with standard rotary handle	**31052**	*338.50*
For complete source changeover assembly	**31055**	*311.00*

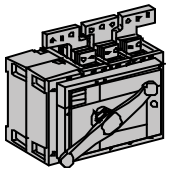
unit price (excl. GST in Singapore Dollars)

Compact INS630b to 2500 standard version with black handle

E88699



E89623



	3 Pole	Price (S$)	4 Pole	Price (S$)
Compact INS630b	**31342**	*1,162.50*	**31343**	*1,814.50*
Compact INS800	**31330**	*2,186.50*	**31331**	*2,412.00*
Compact INS1000	**31332**	*2,883.50*	**31333**	*3,180.00*
Compact INS1250	**31334**	*3,431.00*	**31335**	*3,782.50*
Compact INS1600	**31336**	*3,956.00*	**31337**	*4,361.50*

Connection accessories

Spreaders

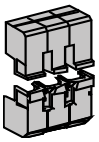
E88702

			Reference	Price (S$)
Compact INS630b-1600	3P	Set of 3	**31305**	*540.00*
	4P	Set of 4	**31306**	*720.50*

Insulation accessories

Terminal shield (requires base for terminal shield)

E88705



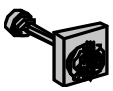
		Reference	Price (S$)
Compact INS630b/1600	3P	**LV433638**	*119.50*
	4P	**LV433639**	*143.50*

Electrical auxiliaries

Auxiliary contacts (changeover type)

	Reference	Price (S$)
OF or CAM (early make or break)	**29450**	*51.50*
OF or CAM low level (early make or break)	**29452**	*72.50*

Extended front control



		Reference	Price (S$)
Compact INS630b-2500	For standard rotary handle	**31288**	*391.00*

Installation accessories

Escutcheon

E88707

		Reference	Price (S$)
Compact INS630b-2500	3P/4P	**31295**	*153.00*

E

Vigirex

Vigirex RH21, RH99 with local manual fault reset
Vigirex RHU with local fault reset (communicating) F1

Sensors

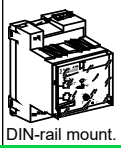
Closed toroids, A-type F1

unit price (excl. GST in Singapore Dollars)

RH21 with local manual fault reset

System to be protected: LV < 1000 V

RH21M



DIN-rail mount.

RH21P

Front-panel mount.

Sensitivity 0.03A - instantaneous

Sensitivity 0.3A - instantaneous or with 0.06s time delay

Power supply		Reference	Price (S$)	Reference	Price (S$)
12 to 24 V AC - 12 to 48 V DC	50/60 Hz	**56160**	*472.50*		
220 to 240 V AC	50/60/400 Hz	**56163**	*472.50*	**56263**	*886.50*
380 to 415 V AC	50/60 Hz	**56164**	*578.50*	**56264**	*894.00*

RH99 with local manual fault reset

System to be protected: LV ≤ 1000 V

RH99M

DIN-rail mount.

RH99P

Front-panel mount.

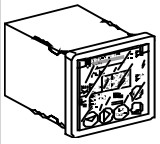
Sensitivity 30 mA to 30A - instantaneous or with 0 to 4.5s time delay

Power supply		Reference	Price (S$)	Reference	Price (S$)
12 to 24 V AC - 12 to 48 V DC	50/60 Hz	**56170**	*628.50*	**56270**	*533.50*
110 to 130 V AC	50/60 Hz	**56172**	*479.50*	**56272**	*484.50*
220 to 240 V AC	50/60/400 Hz	**56173**	*479.50*	**56273**	*484.50*
380 to 415 V AC	50/60 Hz	**56174**	*487.50*	**56274**	*521.50*
440 to 525 V AC	50/60 Hz	**56175**	*479.50*		

RHU with local manual fault reset (communicating)

System to be protected: LV < 1000 V

RHU



Alarm: sensitivity 15mA to 30A - instantaneous or with 0 to 5s time delay

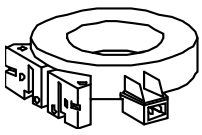
Fault: sensitivity 30mA to 30A - instantaneous or with 0 to 5s time delay

Single-phase power supply	Voltage	Frequency	Reference	Price (S$)
	110 to 130 V AC	50/60 Hz	**LV481002**	*1,027.00*
	220 to 240 V AC	50/60/400 Hz	**LV481003**	*994.00*

Sensors

Closed toroids, A-type

E89652



Type	Ie (A) rated operational current	Inside diameter (mm)	Reference	Price (S$)
TA30	65	30	**50437**	*78.50*
PA50	85	50	**50438**	*165.00*
PA51	160	80	**50439**	*260.00*
PA52	250	120	**50440**	*461.00*
PA53	400	200	**50441**	*919.50*
GA300	630	300	**50442**	*1,383.50*

F

CA Control relays

SK, SKE Mini control relays and accessories G1
K control relays and auxiliary contact blocks G2
Tesys Deca control relays and accessories G3 - G4

TeSys contactors

SK Mini-contactors and accessories G5
K Contactors G6 - G7
Accessories and thermal overload relays for K contactors G8 - G9
TeSys Deca & Deca Advanced contactors G10 - G15
Auxiliaries and accessories for TeSys Deca & Deca Advanced contactors G16 - G18
TeSys Deca thermal overload relays and accessories G19 - G21
TeSys Deca electronic thermal overload relays G22
TeSys Tera motor management system G23
TeSys T motor management system accessories G24
TeSys Giga Contactors G25
TeSys Giga Accessories G26
TeSys Giga Electronic Thermal Overload Relays G27

TeSys protection components

Motor protection circuit breakers GV2ME, GV2 L/LE G28 - G29
Motor protection circuit breakers GV2P,GV3 P/L G30
Motor protection circuit breakers TeSys GV4 G31
Motor protection circuit breakers GV5P, GV6P and GV2RT G32
Add-on blocks and accessories for GV2, GV3 G33
Accessories for GV2 G34
Accessories for GV4 G35

TeSys motor starters

Sub-assembly DOL starters with circuit breaker and overload G36 - G37
Sub-assembly DOL motor staters by customer G38
Sub-assembly Star-Delta motor starters by customer G39 - G40

Tesys enclosed motor starters

DOL starter with 3-phase thermal overload relay G41

TeSys motor starters - open version

TeSys U starter-controllers
- Non Reversing power bases and auxiliary and accessories G42 - G43

Model U starter-controllers
- Standard and advanced control units G44
- Function modules and parallel wiring module G45
- Modbus communication modules and pre-wired coil connection components G46

Communication Gateways LUF P G47

TeSys Control
SK Mini control relays - Contact block - Suppressor
Control circuit: AC/DC

unit price (excl. GST in Singapore Dollars)

Mini control relays (screw clamp terminals)

CA2-SK20

Control circuit supply	Width of control relay (mm)	Fixing	Instantaneous auxiliary contact NO	NC	**Basic reference, to be completed** by adding the voltage code (1)	**Price (S$) (unit)**
a.c. supply	27	35mm DIN rail	2	-	CA2SK20●●	*85.70*
			1	1	CA2SK11●● *	*85.70*
d.c. supply	27	35mm DIN rail	2	-	CA3SK20●●	*111.80*
			1	1	CA3SK11●●	*111.80*

** CA2SK11U7 is marked as End of Commercialization*

Instantaneous auxiliary contact blocks

LA1SK●●

Description	For use on control relay	Composition NO	NC	**Reference**	**Price (S$) (unit)**
Clip-on front mounting,	CA2SK20	2	-	LA1SK20	*26.90*
1 block per contactor		-	2	LA1SK02	*26.90*
(with screw clamp terminals)		1	1	LA1SK11	*26.90*

Suppressor module

LA4SK●1U

Clip-on fixing and electrical connection on right-hand side, without use of tools

For use on control relay	Type	For voltages	**Reference**	**Sold in lots of**	**Price (S$) (unit)**
CA2SK	Varistor	ac and dc 110V…250V	LA4SKE1U	*10*	*40.30*
CA3SK	Diode	dc 24V…250V	LA4SKC1U	*10*	*40.30*

(1) Standard control circuit voltages. Please consult your sales office for other available control circuit voltage.

CA2SK mini control relays (Replace ●● with below others control circuit voltage)

Volts 50/60Hz	**110**	**220**	**230**	**240**
Code	F7	M7	P7	U7

CA3SK mini control relays (Replace ●● with below others control circuit voltage)

Volts DC	**24**
Code	BD

G

TeSys Control
K Control relays and Auxiliary contact blocks
Control circuit: AC/DC and DC low consumption

unit price (excl. GST in Singapore Dollars)

Control relays (screw clamp terminals)

- Width of control relays: 45 mm
- Mounting on 35mm rail or ø4 screw fixing
- Screws in open "ready- to- tighten" position.

CA2-KN22●●

Supply	Control circuit consumption	Instantaneous auxiliary contacts NO	NC	Basic reference, to be completed by adding the voltage code (1)	Price (S$) (unit)
a.c. supply	4.5 VA	4	-	CA2KN40●●	*68.10*
		3	1	CA2KN31●●	*68.10*
		2	2	CA2KN22●●	*68.10*
d.c. supply	3W	4	-	CA3KN40●●	*134.00*
		3	1	CA3KN31●●	*134.00*
		2	2	CA3KN22●●	*134.00*

Low consumption control relays (screw clamp terminals)

CA4-KN22●●●

Supply	Control circuit consumption	Instantaneous auxiliary contacts NO	NC	Basic reference, to be completed by adding the voltage code (1)	Price (S$) (unit)
d.c. supply	1.8W	4	-	CA4KN40●●●	*276.30*
		3	1	CA4KN31●●●	*276.30*
		2	2	CA4KN22●●●	*276.30*

Instantaneous auxiliary contact blocks

	Composition NO	NC	Reference	Sold in lots of	Price (S$) (unit)
for connection by screw clamp terminals					
Clip-on front mounting,	2	-	LA1KN20	*10*	*29.90*
1 block per contactor	-	2	LA1KN02	*1*	*29.90*
(with screw clamp terminals)	1	1	LA1KN11	*1*	*29.90*
	4	-	LA1KN40	*1*	*52.60*
	3	1	LA1KN31	*1*	*52.60*
	2	2	LA1KN22	*1*	*52.60*
	1	3	LA1KN13	*1*	*54.70*
	-	4	LA1KN04	*1*	*52.60*

Electronic time delay contact blocks (on-delay type)

Voltage	Timing range	Composition C/O	Reference	Price (S$) (unit)
24…48V ac/dc	1…30s	1	LA2KT2E	*197.00*
110…240V ac	1…30s	1	LA2KT2U	*197.00*

(1) Standard control circuit voltages (Replace suffix ●● with below control circuit voltage code)

CA2K control relays (0.8…1.15 Uc)

Volts 50/60 Hz	**24**	**110**	**220/230**	**230**	**230/240**
Code	B7	F7	M7	P7	U7

CA3K control relays (0.8…1.15 Uc)

Volts DC	**24**
Code	BD

CA4K low consumption control relays (wide range coil: 0.7…1.3 Uc)

Volts DC	**24**
Code	BW3

For other available coil voltages, please consult your sales office.

TeSys Control
Deca Control relays and Accessories
Control circuit: AC/DC and DC Low consumption

unit price (excl. GST in Singapore Dollars)

TeSys Deca instantaneous control relays

CAD-50/32●●

Number of contacts	Composition NO	Composition NC	**Basic reference, to be completed** by adding the voltage code (1)	**Price (S$)** (2) **(unit)**
for connection by screw clamp terminals				
5	5	-	CAD50●●	*107.00*
	3	2	CAD32●●	*107.00*

Instantaneous auxiliary contact blocks

CAD-503/323●●

Number of contacts	Maximum number per device Clip-on mounting front	Maximum number per device Clip-on mounting side	Composition NO	Composition NC	**Reference**	**Price (S$) (unit)**
for connection by screw clamp terminals						
2	1	-	1	1	LADN11	*29.30*
	-	1 on LH side	1	1	LAD8N11	*38.70*
	1	-	2	-	LADN20	*29.30*
	-	1 on LH side	2	-	LAD8N20	*40.10*
	1	-	-	2	LADN02	*29.30*
	-	1 on LH side	-	2	LAD8N02	*40.10*
4 (3)	1	-	2	2	LADN22	*40.70*
			1	3	LADN13	*40.70*
			4	-	LADN40	*40.70*
			-	4	LADN04	*40.70*
			3	1	LADN31	*40.70*
4 (3) Including 1 N/O and 1 N/C make before break.	1	-	2	2	LADC22	*50.10*

for spring terminal connections

This type of connection is not possible for contact blocks LAD8 and blocks with dust and damp protected contacts. For all other instantaneous auxiliary contact blocks, add digit **3** to the end of the references selected above. Example: **LADN11** becomes **LADN113.**

(1) Standard control circuit voltages (for other available coil voltages, please consult your sales office).

Replace suffix ●● with below control circuit voltage code.

A.C. supply (0.8…1.1 Uc at 50 Hz/ 0.85…1.1 Uc at 60 Hz)

Volts ~	**110**	**220**	**230**	**240**
50/60 Hz	F7	M7	P7	U7

D.C. supply (coils with built-in suppression device fitted as standard)

Volts	**24**	**110**
0.7…1.25 Uc	BD	FD

Low consumption (coils with built-in suppression device fitted as standard)

Volts	**24**
0.7…1.25 Uc	BL

(2) Price is for AC coil contactor only. Please contact local sales office for price with DC Coil

(3) Blocks with 4 auxiliary contacts cannot be used on low consumption control relays.

G

TeSys Control
Deca Accessories
Auxiliary contact block and accessories

unit price (excl. GST in Singapore Dollars)

TeSys Deca instantaneous control relays

LADT0

Time delay auxiliary contact blocks

LADT0 and LADR0: with extended scale from 0.1 to 0.6 s

LADS2: with switching time of 40 ms ± 15 ms between opening of the N/C contact and closing of the N/O contact

Max. no. per device Front mounting	Number of contacts	Time delay Type	Setting range	Reference	Sold in lots of	Price (S$) (unit)
for connection by screw clamp terminals						
1	1N/O and 1 N/C	On-delay	0.3…3 s	LADT0	*1*	*75.90*
			1…30 s	LADT2	*1*	*75.90*
			10…180 s	LADT4	*1*	*75.90*
			1…30 s	LADS2	*1*	*85.40*
		Off-delay	0.3…3 s	LADR0	*1*	*129.30*
			1…30 s	LADR2	*1*	*129.30*
			10…180 s	LADR4	*10*	*129.30*

LAD6K10●

Mechanical latch blocks *(1)*

Max. number per device	Unlatching control	Control circuit voltage	Basic reference, to be completed by adding the voltage code (2)	Price (S$) (3) (unit)
Front	Manual or electric	220/240Vac	LAD6K10●	*167.90*

Coil suppressor modules (for mounting on CAD control relay)

Type	Operational voltage	Reference	Price (S$) (unit)
RC circuits	24…48V ac	LAD4RCE	*36.60*
	110…250V ac	LAD4RCU	*36.60*

LAD4RCU

(1) Power should not be simultaneously applied or maintained to the mechanical latching block and the CADN. The duration of the control signal to the mechanical latching block and the CADN should be ≥100ms.

(2) Standard control circuit voltages. Replace suffix ● with below control circuit voltage.

Volts ~	**24**	**110/127**	**220/240**
50/60 Hz	B	F	M

(3) For LAD6K10F, please contact local sales office for price

G

TeSys Control
SK Mini Contactors - models LC1SK, LP1SK and LC1SKGC
Up to 9A in category AC-3, Up to 20A in category AC-1

unit price (excl. GST in Singapore Dollars)

Mini-contactors for motor control (screw clamp terminals)

- Width of contactor: 27 mm
- Mounting on 35mm rail
- LC1SK contactors can be fitted with an add-on block or auxiliary contact block, LP1SK contactors can't.

Standard power ratings of 3- phase motors 50/60 Hz in category AC-3 (1)			Rated operational voltage in AC3	Non inductive loads max. current utilisation	No of power pole	**Basic reference, to be completed** by adding the voltage code	**Price (S$)** included basic ref. c/w coil
220V 230V	380V 415V	660V 690V	up to 400V	cat. AC-1		*(2)*	(3)
kW	**kW**	**kW**	**A**	**A**			**(unit)**
1.1	2.2	2.2	6	12	2	LC1SK0600●●	*59.20*
-	-	-	-	12	2	LP1SK0600●● (for use with DC coil)	*90.10*
-	-	-	5	20	3	LC1SKGC200●●* (without in-built auxiliary contacts)	*62.50*

LC1-SK06

** LC1SKGC200F7 is marked as End of Commercialization*

Add-on block with 1 power pole (for 3 phase circuits)

For use on contactor	Number of power poles	Instantaneous aux. contacts		**Reference**	**Price (S$)**
		N/O	**N/C**		**(unit)**
LC1SK06 clip-on front mounting	1	-	1	LA1SK01	*43.00*

LA1-SK●●

Instantaneous auxiliary contact blocks (clips-on front mounting)

For use on contactor	Max. number of blocks per contactors	Composition		**Reference**	**Price (S$)**
		N/O	**N/C**		**(unit)**
LC1SK06	1	2	-	LA1SK20	*26.90*
		-	2	LA1SK02	*26.90*
		1	1	LA1SK11	*26.90*

LA4-SK●1●

Coil suppressor modules (connection without tool by clipping onto right-hand side)

For use on contactor	Type	For voltage	**Reference**	**Sold in lots of**	**Price (S$)** (unit)
LC1SK06	Varistor	24…48V ac/dc	LA4SKE1E	*10*	*40.30*
LP1SK06		110…250V ac/dc	LA4SKE1U	*10*	*40.30*
LC1SKGC	Diode	24…250V dc	LA4SKC1U	*10*	*40.30*

(1) For use in category AC-3, and on 3-phase circuits, order separately an add-on block with 1 power pole LA1-SK●● to be fitted on the contactor.

(2) Standard control circuit voltages. For other available coil voltages, please consult your sales office

Replace suffix ●● with below voltage code

Mini-contactor LC1SK					
Volts 50/60Hz	**24**	**110**	**220**	**230**	**240**
Code	B7	F7	M7	P7	U7
Mini-contactor LP1SK					
Volts DC	**24**				
Code	BD				

(3) For LC1SKGC200M7, please contact local sales office for price

G

TeSys Control
K contactors for motor control
6A to 16A in category AC-3/AC-3e
Control circuit: AC / DC or DC Low consumption

unit price (excl. GST in Singapore Dollars)

Mini-contactors for motor control (screw clamp terminals)

- Width of contactor: 27 mm
- Mounting on 35mm rail
- LC1SK contactors can be fitted with an add-on block or auxiliary contact block, LP1SK contactors can't.

LC1-SK06

Standard power ratings of 3- phase motors 50/60 Hz in category AC-3 (1)			Rated operational voltage in AC3	Non inductive loads max. current utilisation	No of power pole	**Basic reference, to be completed** by adding the voltage code	**Price (S$)** included basic ref. c/w coil
220V 230V	380V 415V	660V 690V	up to 400V	cat. AC-1		*(2)*	(3)
kW	**kW**	**kW**	**A**	**A**			**(unit)**
1.1	2.2	2.2	6	12	2	LC1SK0600●●	*59.20*
-	-	-	-	12	2	LP1SK0600●● (for use with DC coil)	*90.10*
-	-	-	5	20	3	LC1SKGC200●●* (without in-built auxiliary contacts)	*62.50*

** LC1SKGC200F7 is marked as End of Commercialization*

Add-on block with 1 power pole (for 3 phase circuits)

For use on contactor	Number of power poles	Instantaneous aux. contacts **N/O**	**N/C**	**Reference**	**Price (S$)** **(unit)**
LC1SK06 clip-on front mounting	1	-	1	LA1SK01	*43.00*

LA1-SK●●

Instantaneous auxiliary contact blocks (clips-on front mounting)

For use on contactor	Max. number of blocks per contactors	Composition **N/O**	**N/C**	**Reference**	**Price (S$)** **(unit)**
LC1SK06	1	2	-	LA1SK20	*26.90*
		-	2	LA1SK02	*26.90*
		1	1	LA1SK11	*26.90*

LA4-SK●1●

Coil suppressor modules (connection without tool by clipping onto right-hand side)

For use on contactor	Type	For voltage	**Reference**	**Sold in lots of**	**Price (S$)** **(unit)**
LC1SK06	Varistor	24…48V ac/dc	LA4SKE1E	*10*	*40.30*
LP1SK06		110…250V ac/dc	LA4SKE1U	*10*	*40.30*
LC1SKGC	Diode	24…250V dc	LA4SKC1U	*10*	*40.30*

(1) For use in category AC-3, and on 3-phase circuits, order separately an add-on block with 1 power pole LA1-SK●● to be fitted on the contactor.

(2) Standard control circuit voltages. For other available coil voltages, please consult your sales office

Replace suffix ●● with below voltage code

Mini-contactor LC1SK					
Volts 50/60Hz	**24**	**110**	**220**	**230**	**240**
Code	B7	F7	M7	P7	U7
Mini-contactor LP1SK					
Volts DC	**24**				
Code	BD				

(3) For LC1SKGC200M7, please contact local sales office for price

TeSys Control
K contactors for motor control
20A in category AC-1
Control circuit: AC / DC or DC Low consumption

unit price (excl. GST in Singapore Dollars)

K contactors for control in utilisation category AC-1

- Mounting on 35mm rail or Ø4 screw fixing
- Screws in open "ready- to- tighten" position.
- Screw clamp connections

LP1-K0910●●

LP1-K09103●●

LP4-K0910●●●

Non inductive loads Category AC-1 Maximum current at θ ≤ 50°C	Number of poles		Instantaneous auxiliary contacts		**Basic reference, to be completed** by adding the voltage code *(1)*	**Price (S$)** included basic ref. c/w coil
A	**N/O**	**N/C**	**N/O**	**N/C**		**(unit)**
3 or 4-pole contactors for standard applications *(2)*, **a.c. supply**						
20	3	-	1	-	LC1K0910●●	*50.40*
					LC1K1210●●	*61.20*
	3	-	-	1	LC1K0901●●	*50.40*
					LC1K1201●●	*61.20*
	4	-	-	-	LC1K09004●●	*84.70*
					LC1K12004●●*	*95.50*
	2	2	-	-	LC1K09008●●	*84.70*
3 or 4-pole contactors, d.c. supply						
20	3	-	1	-	LP1K0910●●	*75.40*
					LP1K1210●●	*88.80*
	3	-	-	1	LP1K0901●●	*75.40*
					LP1K1201●●	*88.80*
	4	-	-	-	LP1K09004●●	*167.40*
					LP1K12004●●	*177.50*
	2	2	-	-	LP1K09008●●	*167.40*
3 and 4 pole d.c. low consumption contactors						
20	3	-	1	-	LP4K0910●●●	*110.90*
					LP4K1210●●●	*127.10*
	3	-	-	1	LP4K0901●●●	*110.90*
					LP4K1201●●●	*127.10*
	4	-	-	-	LP4K09004●●●	*124.30*
					LP4K12004●●●	*124.30*
	2	2	-	-	LP4K09008●●●	*124.30*

* LC1K12004F7 is marked as End of Commercialization

Auxiliary contact blocks and add-on modules: see page G8 to G9

(1) Standard control circuit voltages, see page G6

(2) For main supplies with high level of interface (voltage surge> 800V), use a suppressor module ***LA4KE1FC*** *(50…129V) or* ***LA4KE1UG*** *(130…250V).*

TeSys Control
K contactors
Auxiliary contact blocks and Suppressor modules

unit price (excl. GST in Singapore Dollars)

Instantaneous auxiliary contact blocks

LA1-KN●●

Recommended for standard applications.

Clip-on front mounting. 1 block per contactor

Type of connection	For use on contactor	Compostion N/O	N/C	Reference	Sold in lots of	Price (S$) (unit)
Screw clamps	All products with screw clamps	2	-	LA1KN20	*10*	*29.90*
		-	2	LA1KN02	*1*	*29.90*
		1	1	LA1KN11	*1*	*29.90*
	All products with screw clamps except low consumption	4	-	LA1KN40	*1*	*52.60*
		3	1	LA1KN31	*1*	*52.60*
		2	2	LA1KN22	*1*	*52.60*
		1	3	LA1KN13	*1*	*54.70*
		-	4	LA1KN04	*1*	*52.60*

Electronic time delay auxiliary contact blocks

LA2-KT2●

Clip-on front mounting, 1 block per contactor

- Relay output, with common point changeover contact, 240 Vac or dc, 2A maximum
- Control voltage :0.85…1.1Uc.
- Maximum switching capacity: 250VA or 150W.
- Operating temperature: -10…+60°C
- Reset time: 1.5s during the time delay period, 0.5s after the time delay period.

Voltage (V)	Type	Timing range sec.	Composition C/O	Reference	Price (S$) (unit)
a.c. or d.c. 24…48	On-delay	1…30	1	LA2KT2E	*197.00*
a.c. 110…240	On-delay	1…30	1	LA2KT2U	*197.00*

Suppressor modules incorporating LED indicator

LA4-K●1●

Clip-on fixing on the front of contactors LC1 and LP1, with locating device.

No tools required.

Type	For Voltages	Reference	Sold in lots of	Price (S$) (unit)
Varistor (1)	12…24V AC/DC	LA4KE1B	*5*	*33.50*
Diode + Zener diode (2)	12…24V DC	LA4KC1B	*5*	*33.50*
RC (3)	220…250V AC	LA4KA1U	*5*	*33.50*

(1) Protection by limitation of the transcient voltage up to 2 Uc maximum.
Maximum reduction of transcient voltage peaks.
Slight-time delay on drop-out (1.1 to 1.5 times the normal time).
(2) No overvoltage or oscillation frequency.
Polarised component.
Slight-time delay on drop-out (1.1 to 1.5 times the normal time).
(3) Protection by limitation of the transcient voltage up to 3 Uc max. and limitation of the oscillating frequency.
Slight time delay on drop-out (1.2 to 2 times the normal time).

G

TeSys contactors
Thermal overload relays LR2K
Adjustable from 0.11 to 16A

unit price (excl. GST in Singapore Dollars)

Thermal overload relays with screw clamp terminals adjustable from 0.11 to 16A (Class 10A)

The standard specifies a tripping time of between 2 and 10 seconds at 7.2 In

● LR2K thermal overload relays can be mounted on all 3P LC1K contactors with screw clamp connectors

LR2-K0307

Relay setting range (A)	Fuses to be used with selected relay aM A	gG A	BS88 A	Reference	Price (S$) (unit)
0.11 - 0.16	0.25	0.5	-	LR2K0301	*90.60*
0.16 - 0.23	0.25	0.5	-	LR2K0302	*90.60*
0.23 - 0.36	0.5	1	-	LR2K0303	*90.60*
0.36 - 0.54	1	1.6	-	LR2K0304	*90.60*
0.54 - 0.80	1	2	-	LR2K0305	*90.60*
0.80 - 1.20	2	4	6	LR2K0306	*81.70*
1.20 - 1.80	2	6	6	LR2K0307	*81.70*
1.80 - 2.60	4	8	10	LR2K0308	*81.70*
2.60 - 3.70	4	10	16	LR2K0310	*81.70*
3.70 - 5.50	6	16	16	LR2K0312	*81.70*
5.50 - 8.00	8	20	20	LR2K0314	*90.60*
8.00 - 11.5	10	25	20	LR2K0316	*90.60*
10.0 - 14.0	16	32	25	LR2K0321	*96.70*
12.0 - 16.0	20	40	32	LR2K0322	*96.70*

TeSys contactors
TeSys Deca 3-pole contactors for motor control
Up to 75kW at 400 V, in category AC-3/AC-3e

unit price (excl. GST in Singapore Dollars)

TeSys Deca 3-pole contactors for motor control

LC1-D09●●

LC1-D65A●●

EverLink®
Long lasting
connection quality

LC1-D95●●

Standard power ratings of 3-phase motors 50/60Hz in category AC-3/AC-3e at θ ≤ 60 °C				Rated operational current in AC-3/AC-3e up to 440V	Instantaneous auxiliary contacts		Control circuit voltage	**Basic reference, to be completed** by adding the voltage code *(1)*	**Price (S$)** included basic ref. c/w coil (3)
230V	400V	415V	440V						
kW	**kW**	**kW**	**kW**	**A**	**N/O**	**N/C**			**(unit)**
Connection by screw clamp terminals									
2.2	4	4	4	9	1	1	AC	LC1D09●7	*48.80*
							DC	LC1D09●D	*107.30*
							LC	LC1D09●L	*108.60*
3	5.5	5.5	5.5	12	1	1	AC	LC1D12●7	*55.90*
							DC	LC1D12●D	*122.00*
							LC	LC1D12●L	*128.40*
4	7.5	9	9	18	1	1	AC	LC1D18●7	*77.00*
							DC	LC1D18●D	*162.50*
							LC	LC1D18●L	*166.30*
5.5	11	11	11	25	1	1	AC	LC1D25●7	*118.80*
							DC	LC1D25●D	*188.20*
							LC	LC1D25●L	*206.80*
7.5	15	15	15	32	1	1	AC	LC1D32●7	*137.40*
							DC	LC1D32●D	*208.70*
							LC	LC1D32●L	*221.50*
9	18.5	18.5	18.5	38	1	1	AC	LC1D38●7	*204.20*
							DC	LC1D38●D	*288.40*
							LC	LC1D38●L	*307.60*
Power connections by EverLink® BTR screw connectors *(2)* **and control by spring terminals**									
11	18.5	22	22	40	1	1	AC	LC1D40A●7	*299.90*
							AC/DC	Refer to TeSys Deca Advanced offer (LC1D40A●●●)	
15	22	25	30	50	1	1	AC	LC1D50A●7	*323.60*
							AC/DC	Refer to TeSys Deca Advanced offer (LC1D50A●●●)	
18.5	30	30	37	65	1	1	AC	LC1D65A●7	*402.00*
							AC/DC	Refer to TeSys Deca Advanced offer (LC1D65A●●●)	
22	37	37	37	66	1	1	AC	LC1D80A●7	*465.50*
							AC/DC	Refer to TeSys Deca Advanced offer (LC1D80A●●●)	
30	55	59	59	115	1	1	AC/DC	Refer to TeSys Deca Advanced offer (LC1D115A●●●)	
40	75	80	90	150	1	1	AC/DC	Refer to TeSys Deca Advanced offer (LC1D150A●●●)	
Connection by screw clamp terminals or connectors									
22	37	45	45	80	1	1	AC	LC1D80●7	*452.00*
25	45	45	45	95	1	1	AC	LC1D95●7	*534.80*
							DC	LC1D95●D	*692.20*

Auxiliary contact blocks and add-on modules: see page G16 to G18

(1) Standard control circuit voltages. Consult us for other voltages.

AC supply (Replace suffix ●7 with below control circuit voltage code)

Volts	**24**	**110**	**220**	**230**	**240**	**380**
LC1D09…D95						
50/60 Hz	B7	F7	M7	P7	U7	Q7

(Note: 0.8…1.1 Uc on 50 Hz and 0.85…1.1 Uc on 60 Hz at 60 °C)

D.C. supply (Replace suffix ●D with below control circuit voltage code)

Volts	**24**	**110**
LC1D09…D38 (coils with integral suppression device fitted as standard)		
U 0.7…1.25Uc	BD	FD
LC1D95		
U 0.85…1.1 Uc	BD	FD

LC is Low consumption DC coil (Replace suffix ●L with below control circuit voltage code)

Volts	**24**
LC1D09…D38 (coils with integral suppression device fitted as standard)	
U 0.7…1.25 Uc	BL

*(2) BTR screws: hexagon socket head. In accordance with local electrical wiring regulations, a size 4 insulated Allen key must be used (reference **LAD ALLEN4**)*

(3) For B7 AC coil, please contact local sales office for price

TeSys contactors

TeSys Deca Advanced contactors for motor control
Up to 37kW at 400V, in category AC-3/AC-3e

TeSys Deca Advanced 3-pole contactors for motor control

LC1-D09A●●●

LC1-D40A●●●

Standard power ratings of 3-phase motors 50/60Hz in category AC-3/AC-3e at θ ≤ 60 °C				Rated operational current in AC-3/AC-3e up to 440V	Instantaneous auxiliary contacts		Control circuit voltage	**Basic reference, to be completed** by adding the voltage code *(1)*	**Price (S$)** included basic ref. c/w coil (3)
230V	400V	415V	440V						
kW	**kW**	**kW**		**A**	**N/O**	**N/C**			**(unit)**
Connection by screw clamp terminals									
2.2	4	4	4	9	1	1	AC / DC	LC1D09●●●	*124.00*
3	5.5	5.5	5.5	12	1	1	AC / DC	LC1D12●●●	*134.30*
4	7.5	9	9	18	1	1	AC / DC	LC1D18●●●	*181.10*
5.5	11	11	11	25	1	1	AC / DC	LC1D25●●●	*217.10*
7.5	15	15	15	32	1	1	AC / DC	LC1D32●●●	*224.20*
9	18.5	18.5	18.5	38	1	1	AC / DC	LC1D38●●●	*342.20*
Power connections by EverLink® BTR screw connectors *(2)* and control by screw clamp terminals									
11	18.5	22	22	40	1	1	AC / DC	LC1D40A●●●	*447.50*
15	22	25	30	50	1	1	AC / DC	LC1D50A●●●	*500.20*
18.5	30	37	37	65	1	1	AC / DC	LC1D65A●●●	*599.00*
22	37	37	37	66	1	1	AC / DC	LC1D80A●●●	*692.20*
30	55	59	59	115	1	1	AC / DC	LC1D115A●●●	*694.40*
40	75	80	90	150	1	1	AC / DC	LC1D150A●●●	*937.00*

TeSys Deca Advanced 4-pole contactors for motor control

11	18.5	22	22	40	1	1	AC / DC	LC1DT60A●●●	*744.12*
22	37	37	37	66	1	1	AC / DC	LC1DT80A●●●	*778.56*
30	55	59	59	115	1	1	AC / DC	LC1DT200A●●●	*972.20*

LC1-DT200A●●●

Auxiliary contact blocks and add-on modules: see page G16 to G18

Control voltage code					
AC/DC or 24 V DC supply					
Volts	**24 (DC only)**	**24-60**	**48-130**	**100-250**	**200-500**
LC1D09…D38,					
U 0.85…1.1 Uc	BNE	BNE	EHE	KUE	
LC1D40A…D80A					
U 0.85…1.1 Uc		BNE	EHE	KUE	
LC1D40A…D80A					
U 0.85…1.2 Uc	BBE				
LC1D115A...D150A					
U 0.8…1.1 Uc		BNE	EHE	KUE	LSE

(1) LC1 D09 to D150A: clip-on mounting on 35 mm DIN rail AM1 DP or screw fixing.
*(2) BTR screws: hexagon socket head. In accordance with local electrical wiring regulations, a size 4 insulated Allen key must be used (reference **LADALLEN4**)*
(3) Selection table assumes use of 100-250 V a.c/d.c. control coil voltage for all contactors. For other coils, please contact local offi

EverLink®
Long lasting
connection quality

TeSys contactors

TeSys Deca & Deca Advanced 3-pole contactors for load control 25A to 200A, in category AC-1

unit price (excl. GST in Singapore Dollars)

LC1-D09●●

LC1-D65A●●●

EverLink® Long lasting

● Selection according to the number of operating cycles, see AC-1 curve in catalogue.

TeSys Deca 3-pole contactors for control in utilisation category AC-1

Non inductive loads max. current utilisation cat. AC-1 at θ ≤ 60 °C	Number of poles		Instantaneous auxiliary contacts			Control circuit voltage	**Basic reference, to be completed** by adding the voltage code *(1)*	**Price (S$)** included basic ref. c/w coil
A	**N/O**	**N/C**	**N/O**	**N/C**				**(unit)**
Connection by screw clamp terminals								
25	3	-	1	1		AC	LC1D09●7	*48.80*
						DC	LC1D09●D	*107.30*
						LC	LC1D09●L	*108.60*
					or	AC	LC1D12●7	*55.90*
						DC	LC1D12●D	*122.00*
						LC	LC1D12●L	*128.40*
32	3	-	1	1		AC	LC1D18●7	*77.00*
						DC	LC1D18●D	*162.50*
						LC	LC1D18●L	*166.30*
40	3	-	1	1		AC	LC1D25●7	*118.80*
						DC	LC1D25●D	*188.20*
						LC	LC1D25●L	*206.80*
50	3	-	1	1		AC	LC1D32●7	*137.40*
						DC	LC1D32●D	*208.70*
						LC	LC1D32●L	*221.50*
						AC	LC1D38●7	*204.20*
						DC	LC1D38●D	*288.40*
						LC	LC1D38●L	*307.60*
Power connections by EverLink® BTR screw connectors *(2)*								
60	3	-	1	1		AC	LC1D40A●7	*299.90*
						AC/DC	Refer to Tesys Deca Advanced (LC1D40A●●●)	
80	3	-	1	1		AC	LC1D50A●7	*323.60*
						AC/DC	Refer to Tesys Deca Advanced (LC1D50A●●●)	
						AC	LC1D65A●7	*402.00*
						AC/DC	Refer to Tesys Deca Advanced (LC1D65A●●●)	
						AC	LC1D80A●7	*465.50*
						AC/DC	Refer to Tesys Deca Advanced (LC1D80A●●●)	
200	3	-	1	1		AC/DC	Refer to Tesys Deca Advanced (LC1D115A●●●)	
						AC/DC	Refer to Tesys Deca Advanced (LC1D150A●●●)	
Connection by screw clamp terminals or connectors								
125	3	-	1	1		AC	LC1D95●7	*534.80*
						DC	LC1D95●D	*692.20*

Auxiliary contact blocks and add-on modules: see page G16 to G18

(1) Refer to page G-10/G11 to select the coil codes

(2) BTR screws: hexagon socket head. In accordance with local electrical wiring regulations, a size 4 insulated Allen key must be used (reference **LADALLEN4***)*

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Schneider Electric

TeSys contactors

TeSys Deca & Deca Advanced 4-pole contactors for load control 20A to 200 A, in category AC-1

unit price (excl. GST in Singapore Dollars)

TeSys Deca 4-pole contactors for load control

LC1-DT20●●

LC1-DT80A●●

LC1-D40008●●

LC1-DT200A●●●

Non inductive loads max. current utilisation cat. AC-1 at θ ≤ 60 °C	Number of poles		Instantaneous auxiliary contacts contacts		Control circuit voltage	**Basic reference, to be completed** by adding the voltage code *(1)*	**Price (S$)** included basic ref. c/w coil (2)
A	**N/O**	**N/C**	**N/O**	**N/C**			**(unit)**
Connection by screw clamp terminals							
20	4	-	1	1	AC	LC1DT20●7	*81.60*
					DC	LC1DT20●D	*125.30*
					LC	LC1DT20●L	*147.10*
	2	2	1	1	AC	LC1D098●7	*87.40*
					DC	LC1D098●D	*149.60*
					LC	LC1D098●L	*206.80*
25	4	-	1	1	AC	LC1DT25●7	*98.30*
					DC	LC1DT25●D	*151.60*
					LC	LC1DT25●L	*179.80*
	2	2	1	1	AC	LC1D128●7	*101.50*
					DC	LC1D128●D	*157.30*
					LC	LC1D128●L	*193.30*
32	4	-	1	1	AC	LC1DT32●7	*138.70*
					DC	LC1DT32●D	*179.80*
					LC	LC1DT32●L	*181.80*
	2	2	1	1	AC	LC1D188●7	*151.00*
					DC	LC1D188●D	*180.50*
					LC	LC1D188●L	*199.10*
40	4	-	1	1	AC	LC1DT40●7	*168.20*
					DC	LC1DT40●D	*215.20*
					LC	LC1DT40●L	*252.40*
	2	2	1	1	AC	LC1D258●7	*181.80*
					DC	LC1D258●D	*258.10*
					LC	LC1D258●L	*271.70*
Power connections by EverLink® BTR screw connectors							
60	4	-	1	1	AC	LC1DT60A●7	*317.20*
					AC/DC	Refer to Tesys Deca Advanced (LC1DT60A●●●)	
80	4	-	1	1	AC	LC1DT80A●7	*486.00*
					AC/DC	Refer to Tesys Deca Advanced (LC1DT80A●●●)	
200	4	-	1	1	AC/DC	Refer to Tesys Deca Advanced (LC1DT200A●●●)	
Connection by screw clamp terminals or connectors							
60	2	2	-	-	AC	LC1D40008●7	*352.60*
					DC	LP1D40008●D	*522.00*
80	2	2	-	-	AC	LC1D65008●7	*514.30*
					DC	LP1D65008●D	*740.90*
125	4	-	-	-	AC	LC1D80004●7	*728.80*
					DC	LP1D80004●D	*1,265.40*
	2	2	-	-	AC	LC1D80008●7*	*833.40*
					DC	LP1D80008●D	*1,382.90*

*LC1D80008B7 is marked as End of Commercialization

Auxiliary contact blocks and add-on modules: see page G16 to G18

(1) Standard control circuit voltages. Consult us for other voltages. For Tesys Deca Advanced,please refer to G11.

A.C. supply (Replace suffix ●7 with below control circuit voltage code)

Volts	**24**	**110**	**220**	**230**	**240**
LC1D09…D150 and LC1DT20…DT80A (coils with integral suppression device fitted as standard)					
50/60 Hz	B7	F7	M7	P7	U7

D.C. supply (Replace suffix ●D or ●W with below control circuit voltage code respectively)

Volts	**24**
LC1D09…D65A and LC1DT20…DT40 (coils with integral suppression device fitted as standard)	
U 0.7…1.25Uc	BD
LP1 D40…D80	
U 0.85…1.1 Uc	BD
LC1-D115 (coils with integral suppression device fitted as standard)	
U 0.75…1.2 Uc	BD

L.C. is Low consumption coil (Replace suffix ●L with below control circuit voltage code)

Volts	**24**
LC1D09…D38 and LC1DT20…DT40 (coils with integral suppression device fitted as standard)	
U 0.8…1.25 Uc	BL

(2) For B7 AC coil, please contact local sales office for price

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TeSys contactors

TeSys Deca & Deca Advanced 3-pole reversing contactors for motor control
Up to 45 kW at 400 V, in category AC-3/AC-3e
Pre-assembled, horizontally mounted

unit price (excl. GST in Singapore Dollars)

TeSys Deca 3-pole reversing contactors for motor control

LC2-D09●●

LC2-D65A●●

Standard power rating of 3-phase motors 50/60Hz in category AC-3/AC-3e				Rated operational current in AC-3/AC-3e 440 V up to	Instantaneous auxiliary contacts per contactor		Control circuit voltage	**Basic reference, to be completed** by adding the voltage code *(1)*	**Price (S$)** included basic ref. c/w coil *(2)*
230V	400V	415V	440V	at θ ≤ 60 °C					
kW	**kW**	**kW**	**kW**	**A**	**N/O**	**N/C**			**(unit)**
With mechanical interlock, without electrical interlocking									
2.2	4	4	4	9	1	1	AC	LC2D09●7	*167.60*
							DC	LC2D09●D	*310.20*
							LC	LC2D09●L	*319.10*
3	5.5	5.5	5.5	12	1	1	AC	LC2D12●7	*196.60*
							DC	LC2D12●D	*340.30*
							LC	LC2D12●L	*336.50*
4	7.5	9	9	18	1	1	AC	LC2D18●7	*224.20*
							DC	LC2D18●D	*418.00*
							LC	LC2D18●L	*418.00*
5.5	11	11	11	25	1	1	AC	LC2D25●7	*316.00*
							DC	LC2D25●D	*485.40*
							LC	LC2D25●L	*457.80*
7.5	15	15	15	32	1	1	AC	LC2D32●7	*413.50*
							DC	LC2D32●D	*626.60*
							LC	LC2D32●L	*528.50*
9	18.5	18.5	18.5	38	1	1	AC	LC2D38●7*	*457.20*
							DC	LC2D38●D	*740.90*
							LC	LC2D38●L	*676.70*
11	18.5	22	22	40	1	1	AC	LC2D40A●7	*859.10*
							AC/DC	LC2D40A●●E	*1,505.33*
15	22	25	30	50	1	1	AC	LC2D50A●7	*958.00*
							AC/DC	LC2D50A●●E	*1,579.50*
18.5	30	37	37	65	1	1	AC	LC2D65A●7	*1,105.00*
							AC/DC	LC2D65A●●E	*1,708.05*
22	37	45	45	80	1	1	AC	LC2D80●7	*1,472.20*
22	37	37	37	66	1	1	AC/DC	LC2D80A●●E	*2,277.40*
25	45	45	45	95	1	1	AC	LC2D95●7	*1,666.70*

** LC2D38M7 is marked as End of Commercialization*

Auxiliary contact blocks and add-on modules: see page G16 to G18

(1) Standard control circuit voltages. Consult us for other voltages. For Tesys Deca Advanced ending with ●●E, BTR screws: hexagon accordance with local electrical wiring regulations, a size 4 insulated Allen key must be used (reference LADALLEN4)

A.C. supply (Replace suffix ●7 with below control circuit voltage code respectively)

Volts	**24**	**110**	**220**	**230**
LC2D09…D95				
50/60 Hz	B7	F7	M7	P7

D.C. supply (Replace suffix ●D with below control circuit voltage code)

Volts	**24**
LC2D09…D38 (coils with integral suppression device fitted as standard)	
U 0.7…1.25Uc	BD

L.C. is Low consumption coil (Replace suffix ●L with below control circuit voltage code)

Volts	**24**
LC2D09…D38 (coils with integral suppression device fitted as standard)	
U 0.8…1.25 Uc	BL

(2) For Tesys Deca Advanced, selection table assumes use of 100-250 V a.c/d.c. control coil voltage. For other coils, please contact l

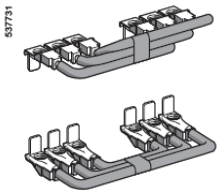
TeSys contactors

3 pole reversing contactors for motor control up to 75kW at 400V, in category AC-3/AC-3e
4 pole change-over contactor pairs, 20 to 200A, in category AC-1
Sub-assembly by customer, horizontally mounted

unit price (excl. GST in Singapore Dollars)

TeSys 3-pole reversing contactors for motor control

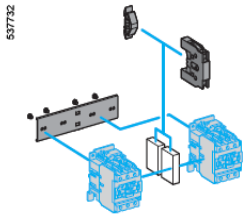
Component parts for customer assembling. Horizontally mounted assembled



LA9 D8069

Standard power rating of 3-phase motors 50/60Hz in category AC-3/AC-3e 400V		2 identical contactors Basic reference, to be completed by adding the voltage code	Price (S$)	Reversing Kit Reference	Sold in lots of	Price (S$)	Mechanical interlock Reference		Price (S$)
kW	**A**	*(1)*	**(unit)**			**(unit)**			**(unit)**
Including mechanical interlock with electrical interlocking and a set of power connections									
4	9	LC1D09●7	*48.80*	LAD9R1V	*(2)* 10	*59.60*			
5.5	12	LC1D12●7	*55.90*	LAD9R1V	*(2)* 10	*59.60*			
7.5	18	LC1D18●7	*77.00*	LAD9R1V	*(2)* 10	*59.60*			
11	25	LC1D25●7	*118.80*	LAD9R1V	*(2)* 10	*59.60*			
15	32	LC1D32●7	*137.40*	LAD9R1V	*(2)* 10	*59.60*			
18.5	38	LC1D38●7	*204.20*	LAD9R1V	*(2)* 10	*59.60*			
Including mechanical interlock without integral electrical interlocking									
18.5	40	LC1D40A●7	*299.90*	LAD9R3	*(3)*	*156.40*			
22	50	LC1D50A●7	*323.60*	LAD9R3	*(3)*	*156.40*			
30	65	LC1D65A●7	*402.00*	LAD9R3	*(3)*	*156.40*			
37	80	LC1D80A●7	*465.50*	LAD9R3	*(3)*	*156.40*			
55	115	Refer to Tesys Deca Advanced (LC1D115A●●●)		LAD9150369	*(4)*	*874.40*	LAD5CM		*116.90*
75	150	Refer to Tesys Deca Advanced (LC1D150A●●●)		LAD9150369	*(4)*	*874.40*	LAD5CM		*116.90*
Including mechanical interlock with integral electrical interlocking									
45	95	LC1D95●7	*534.80*	LA9D8069	*(4)*	*158.50*	LA9D4002	*(5)*	*86.70*

TeSys 4-pole change-over contactors



LA9 D4002

Utilisation category AC-1 Non-inductive loads operating current	2 identical contactors Basic reference, to be completed by adding the voltage code	Price (S$)	Set of power connections Reference	Price (S$)	Mechanical interlock Reference	Price (S$)
A	*(1)*	**(unit)**		**(unit)**		**(unit)**
Including mechanical interlock with electrical interlocking and a set of power connections						
20	LC1DT20●7	*81.60*	LADT9R1V	*(6)* *148.90*		
25	LC1DT25●7	*98.30*	LADT9R1V	*(6)* *148.90*		
32	LC1DT32●7	*138.70*	LADT9R1V	*(6)* *148.90*		
40	LC1DT40●7	*168.20*	LADT9R1V	*(6)* *148.90*		
Including mechanical interlock without integral electrical interlocking						
60	LC1DT60A●7	*317.20*	-		LAD4CM	*91.50*
80	LC1DT80A●7	*486.00*	-		LAD4CM	*91.50*
200	Refer to Tesys Deca Advanced (LC1DT200A●●●)		-		LAD5CM	*116.90*
Including mechanical interlock with integral electrical interlocking						
125	LC1D80004●7	*728.80*	LA9D8070	*157.90*	LA9D4002	*(7)* *86.70*

(1) Unit price is for standard AC control circuit voltages only. See page G10/G11 for the other voltage code

(2) Kit comprising of a mechanical interlock with electrical interlocking and a set of (parallel and reversing) power connections.

(3) Kit comprising of a mechanical interlock and a set of (parallel and reversing) power connections.

(4) Set of power (parallel and reversing) connections.

*(5) Suitable for AC coil contactor only. Use **LA9D8002** for DC coil contactor.*

(6) Kit comprising of a mechanical interlock with electrical interlocking and a set of changeover power connections.

(7) Kit comprising of a mechanical interlock with electrical interlocking

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TeSys contactors
TeSys Deca & Deca Advanced Contactors
Auxiliary contact blocks and Reverser assembly kits

unit price (excl. GST in Singapore Dollars)

Instantaneous auxiliary contact blocks for connection by screw clamp terminals

For use in normal operating environments

LAD-N●●

LAD8N11

Clip-on mounting (1)	Nos. of contacts per block	Composition		Reference	Price (S$) (unit)
Front	1 (Does not apply to Deca Advanced)	1	-	LADN10	*40.70*
		-	1	LADN01	*40.70*
	2	1	1	LADN11	*29.30*
		2	-	LADN20	*29.30*
		-	2	LADN02	*29.30*
	4	2	2	LADN22	*40.70*
		1	3	LADN13	*40.70*
		4	-	LADN40	*40.70*
		-	4	LADN04	*40.70*
		3	1	LADN31	*40.70*
	4 incl. 1N/O & 1N/C make before break	2	2	LADC22	*50.10*
Side (2)	2	1	1	LAD8N11	*38.70*
		2	-	LAD8N20	*40.10*
		-	2	LAD8N02	*40.10*

Kits for assembling of 3 pole reversing contactors

LAD9R1

LAD9R3

Kits comprising	For contactors (2 identical connections)	Ref	Sold in lots of	Price (S$) (unit)
mechanical interlock with electrical locking set of power connections (parallel and reversing)	LC1D09…D38	LAD9R1V	*1*	*59.60*
mechanical interlock without electrical locking set of power connections (parallel and reversing)	LC1D09…D38	LAD9R1	*10*	*50.10*
mechanical interlock set of power connections	LC1D40A to D80A	LAD9R3	*1*	*156.40*

(1) Refer to TeSys contactor catalogue for details on maximum number of auxiliary contact blocks that can be fitted.

(2) Contact blocks compatible with AC coil contactors and AC/DC TeSys Deca Advanced contactors.

For details, kindly refer to TeSys contactor catalogue.

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TeSys contactors
TeSys Deca & Deca Advanced contactors
Time-delay auxiliary contacts and Mechanical latch block

unit price (excl. GST in Singapore Dollars)

Time delay auxiliary contact blocks for connection by screw clamp terminals

Refer to TeSys contactor catalogue for details on maximum number of auxiliary contact blocks that can be fitted.
LADT0 and LADR0: with extended scale from 0.1 to 0.6 s.
LADS2: with switching time of 40 ms ± 15 ms between opening of the N/C contact and closing of the N/O contact.

LAD●●

Clip-on mounting	Number of contacts	Time delay Type	setting range	Reference	Price (S$) (unit)
Front	1N/O + 1 N/C	On-delay	0.3…3 s	LADT0	*75.90*
			1…30 s	LADT2	*75.90*
			10…180 s	LADT4	*75.90*
			1…30 s	LADS2	*85.40*
		Off-delay	0.3…3 s	LADR0	*129.30*
			1…30 s	LADR2	*129.30*
			10…180 s	LADR4	*129.30*

Mechanical latch blocks *(1)*

LA6DK●●

Clip-on mounting	Unlatching control	For use on contactor	**Basic reference.** Complete with code indicating control circuit voltage (2)	Price (S$) (unit) **(3)**
Front	Manual or electric	LC1 D09…D38 (a.c. or d.c.) LC1 DT20…DT40 (a.c. or d.c.)	LAD6K10●	*167.90*
		LC1 D40A…D80A (3P a.c. or d.c.) LC1 DT60A and DT80A (4P a.c. or d.c.)	LAD6K10●	*167.90*
		LC1 D80A...D95 (3P a.c.) LC1D115A...D150A (3P a.c. or d.c.) LC1DT200A (4P a.c. or d.c)	LA6DK20●	*172.70*

(1) The mechanical latching block must not be powered up at the same time as the contactor.
The duration of the control signal for the mechanical latching block and the contactor should be:
≥ 100 ms for a contactor operating on an a.c. supply,
≥ 250 ms for a contactor operating on a d.c. supply.
Maximum impulse duration: 10 seconds.
(2) Standard control circuit voltages. Consult us for other voltages.
Replace suffix ● with below voltage code

Volts 50/60 Hz,	**24**	**110/127**	**220/240**
Code	B	F	M

(3) For LA6DK20F, please contact local sales office for price

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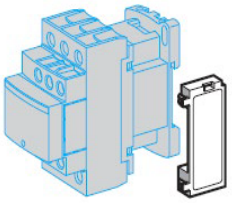
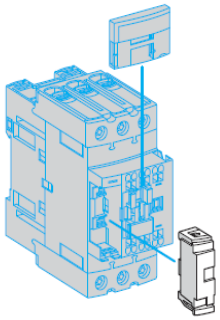
TeSys contactors
TeSys Deca contactors
Suppressor modules

unit price (excl. GST in Singapore Dollars)

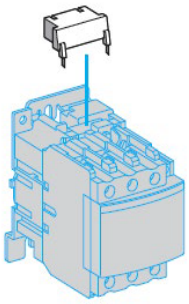
Suppressor modules



LAD 4●●



LAD 4RC3●, LAD 4V3●, LAD 4D3U, LAD 4T3●



LA4 D●●

Mounting	For use with contactor *(1)*	Voltage		Reference	Price (S$)
		Vac	**Vdc**		**(unit)**
RC circuits (resistor-capacitor)					
Clip-on side mounting	D09…D38 (3P)	24…48	-	LAD4RCE	*36.60*
(2)	DT20…DT40	110…250	-	LAD4RCU	*36.60*
Clip-on side mounting	D40A…D65A (3P)	110…240		LAD4RC3U	*36.60*
(2)	DT60A…DT80A (4P)				
Screw fixing	D95 (3P)	110…240	-	LA4DA2U	*53.60*
(3)	D40A (4P)				
Varistors (peak limiting)					
Clip-on side mounting	D09…D38 (3P)	110…250	-	LAD4VU	*35.30*
(2)	DT20…DT40				
Clip-on front mounting	D40A…D65A (3P)	110…250	-	LAD4V3U	*35.30*
(2)	DT60A…DT80A (4P)				
Screw fixing	D95 (3P)	110…250	-	LA4DE2U	*37.30*
(3)	D95 (4P)				
Flywheel diodes					
Clip-on side mounting	D09…D38 (3P).	-	24…250	LAD4DDL	*29.30*
(4)	DT20…DT40				
Clip-on front mounting	D40A…D65A (3P).	-	24…250	LAD4D3U	*41.40*
(4)	DT60A…DT80A (4P)				
Bidirectional peak limiting diode					
Clip-on side mounting	D09…D38 (3P)		24	LAD4TBDL	*27.90*
(2) (4)	DT20…DT40 (4P)				
Clip-on front mounting	D40A…D65A (3P)	12...24	12...24	LAD4T3B	*35.30*
(2)	DT60A…DT80A (4P)				

Electronic serial timer modules

Type	Operational voltage		Time delay	Reference	Price (S$)
	24…250V AC	100…250V AC			(unit)
On-delay	LC1D09…D80A (3P)	LC1D95 (3P)	0.1…2s	LA4DT0U	*227.40*
			1.5…30s	LA4DT2U	*227.40*

Interface modules

Type	Operational voltage		Supply voltage	Reference	Price (S$)
	24…250V AC	380…415V AC	E1-E2 (DC)		(unit)
Relay interface	LC1 D09…D95 (3P)	-	24V	LA4DFB	*162.50*

Type	Operational voltage		Supply voltage	Reference	Price (S$)
	24…250V AC	100…250V AC	E1-E2 (DC)		(unit)
Relay interface with "AUTO-I" manual override, solid state	LC1 D09…D80A (3P)	LC1 D95 (3P)	24V	LA4DWB	*220.10*

(1) For satisfactory protection, a suppressor module must be fitted across the coil of each contactor.

(2) Clipping-on makes the electrical connection. The overall size of the contactor remains unchanged.

(3) Mounting at the top of the contactor on coil terminals A1 and A2.

(4) In order to install these accessories, the existing suppression device must first be removed.

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unit price (excl. GST in Singapore Dollars)

Differential thermal overload relays

for use with fuses and magnetic circuit-breakers GV2L and GV3L

- Compensated relays with manual or automatic reset,
- with relay trip indicator,
- for a.c. or d.c.

LRD●●

LRD3●●

LRD33●●

Relay setting range	Fuses to be used with selected relay aM	gG	BS88	For use with contactor LC1	Reference	Price (S$)
A	**A**	**A**	**A**			**(unit)**
Class 10A *(1)* for connection by screw clamp terminals or connectors						
0.10…0.16	0.25	2	-	D09…D38	LRD01	*68.30*
0.16…0.25	0.5	2	-	D09…D38	LRD02	*68.30*
0.25…0.40	1	2	-	D09…D38	LRD03	*68.30*
0.40…0.63	1	2	-	D09…D38	LRD04	*68.30*
0.63…1	2	4	-	D09…D38	LRD05	*61.70*
1…1.7	2	4	6	D09…D38	LRD06	*61.70*
1.6…2.5	4	6	10	D09…D38	LRD07	*56.50*
2.5…4	6	10	16	D09…D38	LRD08	*56.50*
4…6	8	16	16	D09…D38	LRD10	*56.50*
5.5…8	12	20	20	D09…D38	LRD12	*56.50*
7…10	12	20	20	D09…D38	LRD14	*56.50*
9…13	16	25	25	D12…D38	LRD16	*56.50*
12…18	20	35	32	D18…D38	LRD21	*56.50*
16…24	25	50	50	D25…D38	LRD22	*71.50*
23…32	40	63	63	D25…D38	LRD32	*96.40*
30…38	50	80	80	D32 and D38	LRD35	*115.30*
Class 10A *(1)* for connection by **Ever**Link®, **BTR** screw connectors *(3)*						
16…25	25	50	50	D40A…D65A	LRD325	*176.30*
23…32	40	63	63	D40A…D65A	LRD332	*184.20*
30…40	40	80	80	D40A…D65A	LRD340	*185.50*
37…50	63	100	100	D40A…D65A	LRD350	*215.60*
48…65	63	100	100	D50A…D65A	LRD365	*216.20*
62…80	80	125	125	D80A	LRD380	*309.20*
Class 10A *(1)* for connection by screw clamp terminals or connectors						
55…70	80	125	125	D95	LRD3361	*239.90*
63…80	80	125	125	D95	LRD3363	*258.80*
80…104	100	160	160	D95	LRD3365	*275.90*
80…104	125	200	160	D115A and D150A	LRD4365	*470.90*
95…120	125	200	200	D115A and D150A	LRD4367	*470.90*
110…140	160	250	200	D150A	LRD4369	*491.30*
80…104	100	160	160	*(2)*	LRD33656	*513.50*
95…120	125	200	200	*(2)*	LRD33676	*540.40*
110…140	160	250	200	*(2)*	LRD33696	*587.40*

(1) Standard IEC 60947-4-1 specifies a tripping time for 7.2 times the setting current I_R :

class 10A: between 2 and 10 seconds.

(2) Independent mounting of the contactor.

(3) BTR screws: hexagon socket head. In accordance with local electrical wiring regulations, a size 4 insulated Allen key must be used (reference ***LADALLEN*** *4).*

unit price (excl. GST in Singapore Dollars)

Differential thermal overload relays for use with fuses

· Compensated relays with manual or automatic reset,
· with relay trip indicator
· for a.c. or d.c

LRD●●L

LRD3●●L

Relay setting range	Fuses to be used with selected relay aM	gG	BS88	For use with contactor LC1	Reference		Price (S$)
A	**A**	**A**	**A**				**(unit)**
Class 20 *(1)* for connection by screw clamp terminals							
1.6…2.5	4	6	10	D09…D38	LRD07L		*127.80*
2.5…4	6	10	16	D09…D38	LRD08L		*150.10*
4…6	8	16	16	D09…D38	LRD10L		*150.10*
5.5…8	12	20	20	D09…D38	LRD12L		*192.00*
7…10	16	20	20	D09…D38	LRD14L		*192.00*
9…13	16	25	25	D12…D38	LRD16L		*199.20*
12…18	25	35	32	D18…D38	LRD21L		*222.70*
17…25	32	50	50	D25…D38	LRD22L		*225.40*
23…32	40	63	63	D25…D38	LRD32L		*273.10*
16…25	32	50	50	D40A…D65A	LRD325L		*377.90*
23…32	40	63	63	D40A…D65A	LRD332L		*402.10*
25…40	50	80	80	D40A…D65A	LRD340L		*405.50*
37…50	63	100	100	D40A…D65A	LRD350L		*408.70*
48…65	80	125	125	D40A…D65A	LRD365L		*422.50*
55…70	100	125	125	D80A and D95	LR2D3561	*(2)*	*446.00*
63…80	100	160	125	D80A and D95	LR2D3563	*(2)*	*446.00*

(1) Standard IEC 60947-4-7 specifies a tripping time for 7.2 times the setting current I_R
class 10: between 4 and 10 seconds,
class 10A: between 2 and 10 seconds,
class 20: between 6 and 20 seconds.
(2) Not suitable for LC1D80A contactor direct mounting. To used with LC1D80A, terminal blocks ***LA7D3064*** *needed.*

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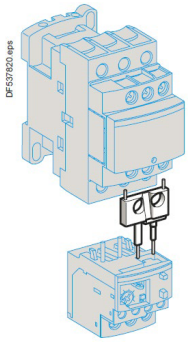
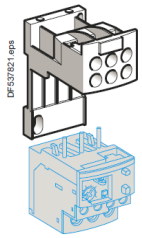
unit price (excl. GST in Singapore Dollars)

Accessories (to be ordered separately)



LAD7C●



LAD7B106

Description	For use on	Reference		Sold in lots of	Price (S$) (unit)
Pre-wiring kit allowing direct connection of the N/C contact of relay LRD01…35 or LR3D01…D35 to the contactor	LC1D09…D18	LAD7C1	*(1)*	*1*	*30.20*
	LC1D25…D38	LAD7C2	*(1)*	*1*	*64.10*
Terminal blocks (2) for clip-on mounting on 35 mm	LRD01…35 and LR3D01…D35	LAD7B106		*1*	*23.00*
	LRD04L...LRD32L, LR3D04L...LR3D32L	LAD7B205		*1*	*93.10*
	LRD33●●●, LR3D33●●●, LR2D35●●	LA7D3064		*1*	*79.30*
EverLink® terminal block for independent mounting	LRD3●●, LRD3●●L, LR3D3●●	LAD96560		*5*	*31.60*
Terminal block adaptor for mounting a relay beneath an LC1D115 or D150 contactor	LRD3●●●, LR3D3●●●, LRD35●●	LA7D3058		*1*	*180.20*
Remote stop or electrical reset device (3)	LRD01…35, LR3D01…D35, LRD313…365	LAD703●	*(4)*	*1*	*162.50*

Remote control

Description	For use on	Reference	Sold in lots of	Price (S$) (unit)
"Reset" function				
By flexible cable (length = 0.5 m)	LRD01…35, LR3D01…D35 and LRD313…365	LAD7305	*1*	*210.40*
	All relays except LRD01…35, LR3D01…D35, LRD3●●, LRD3●●L and LR3D3●●.	LA7D305	*1*	*242.40*

(1) These pre-wiring kits cannot be used with reversing contactors.
(2) Terminal blocks are supplied with terminals protected against direct finger contact and screws in the open, "ready-to-tighten" position.
*(3) The time for which the coil of remote tripping or electrical resetting device **LA7D03** or **LAD703** can remain energised depends on its rest time: 1 s pulse duration with 9 s rest time; 5 s pulse duration with 30s rest time; 10s pulse duration with 90 s rest time; maximum pulse duration of 20 s with a rest time of 300 s. Minimum pulse time: 200 ms.*
(4) Replace suffix ● with below control circuit voltage code

Volts	24	110	220/230
50/60 Hz	B	F	M
Consumption, inrush and sealed :< 100 VA			
d.c.	B	F	M
Consumption, inrush and sealed:< 100 W			

G

unit price (excl. GST in Singapore Dollars)

Electronic thermal overload relays

For use with fuses or magnetic circuit breakers

· compensated relays, with relay trip indicator
· for a.c.
· for direct mounting on contactor or independent mounting.

LR9D0•

Relay setting range A	For use with contactor LC1	Reference	Price (S$) (unit)
Classes 5.10.20.30 *(1)* selectable for direct connection on TeSys D contactors or connection using connectors			
0.1 … 0.5	D09…D38	LR9D01	*255.90*
0.4 … 0.2	D09…D38	LR9D02	*347.80*
1.6 … 8	D09…D38	LR9D08	*347.80*
6.4 … 3.2	D09…D38	LR9D32	*498.00*

Separate components for relays

Description	For use with	Reference	Price (S$) (unit)
Terminal block *(2)* For clips-on mounting on 35 mm rails (AM1 DP200) or screws fixing	LR9D01, LR9D02, LR9D08, LR9D32	LAD7B205	*93.10*

LAD7B205

(1) Standard IEC 60947-4-1 specifies a tripping time for 7.2 times the setting current I_R :
class 5: between 0.5 and 5 seconds
class 10: between 4 and 10 seconds
class 10 A: between 2 and 10 seconds
class 20: between 6 and 20 seconds
class 30: between 9 and 30 seconds
(2) Terminal blocks are supplied with terminals protected against direct finger contact and screws in the open, "ready-to-tighten" position.

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unit price (excl. GST in Singapore Dollars)

Main Controllers

LTMTE●●

LTMTP●●

LTMTM●●

Supply voltage	Reference	Sold in lots of	Price (S$)
V			(unit)
For Ethernet (Ethernet IP/Modbus TCP)			
24 VDC	LTMTEBD	1	2,211.62
100…240 VAC/VDC	LTMTEFM	1	2,207.70
For Profibus DP			
24 VDC	LTMTPBD	1	2,060.17
100…240 VAC/VDC	LTMTPFM	1	2,082.48
For Modbus RTU			
24 VDC	LTMTMBD	1	1,582.14
100…240 VAC/VDC	LTMTMFM	1	1,604.44

Vertical Sensor Modules

LTMTCT3L

LTMTCT70L

Sensor	Current Range	Reference	Sold in lots of	Price (S$)
	A			(unit)
Current Transformer	0.3 … 3	LTMTCT3L	1	204.48
	2.5 … 25	LTMTCT25L	1	204.77
	7 … 70	LTMTCT70L	1	219.51
Current & Voltage Transformer	0.3 … 3	LTMTCTV3L	1	289.34
	2.5 … 25	LTMTCTV25L	1	291.90
	7 … 70	LTMTCTV70L	1	310.29

Horizontal Sensor Modules

LTMTCT3T

Sensor	Current Range	Reference	Sold in lots of	Price (S$)
	A			(unit)
Current Transformer	0.3 … 3	LTMTCT3T	1	277.84
	2.5 … 25	LTMTCT25T	1	287.12
	10 … 100	LTMTCT100T	1	287.12
Current & Voltage Transformer	0.3 … 3	LTMTCTV3T	1	378.29
	2.5 … 25	LTMTCTV25T	1	392.80
	10 … 100	LTMTCTV100T	1	389.72

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unit price (excl. GST in Singapore Dollars)

TeSys T accessories

Expansion Module

LTMTIN42FM

Features	Input/Output	Max Number	Reference	Sold in lots of	Price (S$) (unit)
4 Digital Inputs & 2 Digital Outputs	24 VDC	5	LTMTIN42BD	1	475.88
	100…240 VAC/VDC	5	LTMTIN42FM	1	493.50
6 Digital Inputs	24 VDC	4	LTMTIN60BD	1	374.78
	100…240 VAC/VDC	4	LTMTIN60FM	1	394.33
Earth Fault with 2 Digital Inouts & 2 Digital Outputs	0.3...40A DI/DO 24 VDC	5	LTMTZCT22BD	1	484.89
	0.3...40A DI/DO 100…240 VAC/VDC	5	LTMTZCT22FM	1	491.40
2 Analog Inputs & 1 Analog Output	4...20mA	5	LTMTAN21	1	402.77
3 Analog Temperature Inputs	PT100,PT1000,KTY,PTC,NTC	5	LTMTPTC	1	408.25

HMI terminals

LTMTCUF

Description	Reference	Sold in lots of	Price (S$) (unit)
Operator control unit	LTMTCUF	1	511.23

Cables

Description	Length m	Reference	Sold in lots of	Price (S$) (unit)
Sensor module to to main controller cable	0.15	LTMT9RJ1015	1	13.79
	0.5	LTMT9RJ105	1	15.98
Operator control unit LTMTCUF to main controller cable	1	LTMT9CU10S	1	53.32
	3	LTMT9CU30S	1	75.84
Expansion module to main controller cable	0.1	LTMT9RJ401	1	11.96
	1	LTMT9EX10	1	50.62

Current transformers

LT6CT●001

Operational current Primary A	Secondary A	Reference	Sold in lots of	Price (S$) (unit)
200	1	LT6CT2001	1	373.00
400	1	LT6CT4001	1	484.20
800	1	LT6CT8001	1	895.50

Earth fault toroid (marketed under the Schneider Electric brand)

50437

Rated operational current Ie A	Internal Ø of toroid mm	Reference	Sold in lots of	Price (S$) (unit)
65	30	50437	1	78.50
85	50	50438	1	165.00
160	80	50439	1	260.00
250	120	50440	1	461.00
400	200	50441	1	919.50
630	300	50442	1	1,383.50

MotorSys™ Ethernet By-pass Switch

LTM9BPS

Description	Reference	Sold in lots of	Price (S$) (unit)
Ethernet by-pass switch	LTM9BPS	1	1,179.50

TeSys contactors

TeSys Giga contactors for motor control up to 450kW at 400V, in category AC-3/AC-3e

For control in utilisation category AC-1 (200 to 1050A)

Control circuit: AC/ DC

unit price (excl. GST in Singapore Dollars)

LC1G150●●

LC1G630●●

LC1G1854●●

LC1G4004●●

LC1G6304●●

3-pole contactors

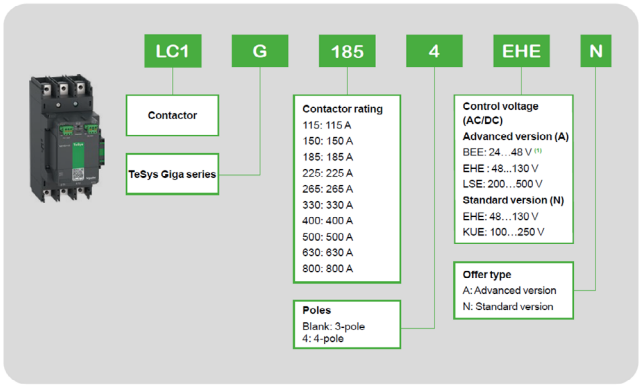
Standard power ratings of 3-phase motors 50/60Hz in category AC-3/AC-3e 400V	AC-1 (A) ≤1000V	Basic reference (1) Standard version	Basic reference (1) Advanced version	(2) Standard	(2) Advanced
kW				**Price (S$)**	**Price (S$)**
55	*250*	*LC1G115●●●N*	*LC1G115●●●A*	*1,027.20*	*1,182.00*
75	*275*	*LC1G150●●●N*	*LC1G150●●●A*	*1,194.10*	*1,374.00*
90	*305*	*LC1G185●●●N*	*LC1G185●●●A*	*1,540.80*	*1,772.40*
110	*330*	*LC1G225●●●N*	*LC1G225●●●A*	*2,182.80*	*2,510.40*
132	*385*	*LC1G265●●●N*	*LC1G265●●●A*	*2,439.60*	*2,805.60*
160	*440*	*LC1G330●●●N*	*LC1G330●●●A*	*2,824.80*	*3,249.60*
200	*550*	*LC1G400●●●N*	*LC1G400●●●A*	*3,595.20*	*4,135.20*
250	*700*	*LC1G500●●●N*	*LC1G500●●●A*	*4,750.80*	*5,463.60*
335/315	*1050*	*LC1G630●●●N*	*LC1G630●●●A*	*5,778.00*	*6,645.60*
450/335	*1050*	*LC1G800●●●N*	*LC1G800●●●A*	*8,988.00*	*10,336.80*

4-pole contactors

Maximum current in AC-1 (up to 40°C) ≤1000V	Basic reference (1) Screw fixing, Cabling Standard version	Basic reference (1) Advanced version	(2) Standard	(2) Advanced
A			**Price (S$)**	**Price (S$)**
250	LC1G1154●●●N	LC1G1154●●●A	*1,219.80*	*1,402.80*
275	LC1G1504●●●N	LC1G1504●●●A	*1,412.40*	*1,624.80*
305	LC1G1854●●●N	LC1G1854●●●A	*2,311.20*	*2,658.00*
330	LC1G2254●●●N	LC1G2254●●●A	*2,568.00*	*2,953.20*
385	LC1G2654●●●N	LC1G2654●●●A	*2,824.80*	*3,249.60*
440	LC1G3304●●●N	LC1G3304●●●A	*3,595.20*	*4,135.20*
550	LC1G4004●●●N	LC1G4004●●●A	*3,980.40*	*4,578.00*
700	LC1G5004●●●N	LC1G5004●●●A	*4,776.00*	*5,493.60*
1050	LC1G6304●●●N	LC1G6304●●●A	*5,778.00*	*6,645.60*
1050	LC1G8004●●●N	LC1G8004●●●A	*6,933.60*	*7,974.00*

Refer to page G-26 for Auxiliary contact blocks, add-on modules and accessories.

(1) Standard control circuit voltages. For other voltages please refer to catalogue.
(2) For BEE/EHE AC/DC coils, please contact local sales office for price



*P.O.R = Price On Request

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unit price (excl. GST in Singapore Dollars)

LAG8N113

Auxiliary Contact Modules

Description	Terminal Type	Position	Type Of Contact	References	Price (S$)
Auxiliary Contact Modules	Push-In	1st Left/Right	1NO+1NC	LAG8N113P	*40.50*
			2NO	LAG8N203P	*52.00*
		2nd Left/Right	1NO+1NC	LAG8N113	*52.00*
			2NO	LAG8N203	*40.50*

(1) TeSys Giga contactor LC1G is always supplied with 1NO+1NC auxiliary contact block, fitted on the right side of lateral face

Power terminals

'Cable Memory' connection blocks

Cables or busbars can be connected to the contactor by means of the optional cable memory connection blocks. When the contactor is removed for maintenance, the cables or busbars remain connected to these connection blocks, making reinstallation faster and easier.

LA9G3101

Cable Memory

Description	Compatible with contactor	Quantity (Set)	References	Sold in lots of	Price (S$)
Cable memory for 3poles contactor for holding cables in place	LC1G115...LC1G225	2	LA9G3101	*1*	*124.95*
	LC1G265...LC1G500	2	LA9G3102	*1*	*189.70*
	LC1G630...LC1G800	2	LA9G3103	*2*	*469.81*
Cable memory for 4 poles contactor for holding cables in place	LC1G115...LC1G225	2	LA9G4101	*1*	*164.35*
	LC1G265...LC1G500	2	LA9G4102	*1*	*269.55*
	LC1G630...LC1G800	2	LA9G4103	*1*	*619.15*

LA9G970

Mechanical Interlock

Description	Suitable for	Compatible with contactor 1	Compatible with contactor 2	References	Sold in lots of	Price (S$)
Mechanical interlock for contactor	3P	LC1G115...225	LC1G115...225	LA9G970	*1*	*93.60*
	4P	LC1G265...500	LC1G265...500	LA9G970	*1*	*93.60*
		LC1G265...500	LC1G115...225	LA9G971	*1*	*167.00*
	3P	LC1G630...800	LC1G265...500	LA9G972	*12*	*351.70*
		LC1G630...800	LC1G630...800	LA9G973	*1*	*463.00*

LA9G3760

Reverse Connection Kit

Description	Suitable for	Compatible with contactor	References	Sold in lots of	Price (S$)
Connection kit- bar for reverse contactor assembly	3P	LC1G115...LC1G225	LA9G3760	*1*	*466.70*
		LC1G265...LC1G500	LA9G3761	*1*	*1,162.40*
		LC1G630...LC1G800	LA9G3762	*4*	*2,052.80*

LA9G3750

Changeover Connection Kits

Description	Suitable for	Compatible with contactor	References	Sold in lots of	Price (S$)
Connection kit- bar for changeover contactor assembly	3P	LC1G115...LC1G225	LA9G3750	1	*234.00*
		LC1G265...LC1G500	LA9G3751	1	*581.80*
		LC1G630...LC1G800	LA9G3752	4	*1,027.10*
	4P	LC1G115...LC1G225	LA9G4750	1	*327.60*
		LC1G265...LC1G500	LA9G4751	1	*813.30*
		LC1G630...LC1G800	LA9G4752	*4*	*1,436.90*

G

3-pole electronic thermal overload relays
Class 5e…30e, adjustable up to 630A

unit price (excl. GST in Singapore Dollars)

LR9225G

LR9G630

TeSys Giga Electronic Overload Relays

- Electronic overload relay
- Suitable for independent mounting or direct mounting with TeSys Giga contactors
- Ergonomic rotary switches for thermal and protection settings
- Trip class selection: 5E/10E/20E/30E
- Overload, phase imbalance, phase loss and ground fault protections
- Manual and auto reset options
- LED indicator for Motor ON and pre-trip alarm
- Thermal memory and compensation
- Push-in terminals for control connections

Relay setting range	Fuses to be used aM/gG/aR	Iq kA	For direct mounting beneath contactor LC1G	Reference	Price (S$) (unit)
A	A				
Class 5...30 A					
28…115	125 aM	100	LC1G115…225	LR9G115	*1,074.00*
57…225	250 aM	100	LC1G115…225	LR9G225	*1,178.80*
125…500	630 aM	100	LC1G265…500	LR9G500	*1,440.70*
	630 gG	80			
	630 aR	25			
160…630	800 aR	100	LC1G630	LR9G630 (1)	*1,637.20*
	800 aR	80			
	800 aR	25			

G

TeSys Power
TeSys Deca Motor Circuit Breakers - Frame 2
Thermal-magnetic protection

unit price (excl. GST in Singapore Dollars)

Motor circuit-breakers from 0.06 to 15 kW / 400 V, with screw clamp terminals

GV2 ME●●

● Provides over-load and short-circuit protection

Standard power ratings of 3-phase motors 50-60 Hz in category AC-3 400/415 V			Setting range of thermal trips *(2)*	Magnetic tripping current	Reference		Sold in lots of	Price (S$)
P	Icu	Ics *(1)*		*Id ± 20 %*				
kW	**kA**	**%**	**A**	**A**				**(unit)**
GV2 ME with pushbutton control								
–	–	–	0.1…0.16	1.5	GV2ME01		*1*	*136.30*
0.06	«	«	0.16…0.25	2.4	GV2ME02		*1*	*136.30*
0.09	«	«	0.25…0.40	5	GV2ME03		*1*	*136.30*
0.12	«	«	0.40…0.63	8	GV2ME04		*1*	*136.30*
0.18	«	«						
0.25	«	«	0.63…1	13	GV2ME05		*1*	*136.30*
0.37	«	«	1…1.6	22.5	GV2ME06		*1*	*129.10*
0.55	«	«						
0.75	«	«	1.6…2.5	33.5	GV2ME07		*1*	*129.10*
1.1	«	«	2.5…4	51	GV2ME08		*1*	*129.10*
1.5	«	«						
2.2	«	«	4…6.3	78	GV2ME10		*1*	*129.10*
3	«	«	6…10	138	GV2ME14		*1*	*139.00*
4	«	«						
5.5	15	50	9…14	170	GV2ME16		*1*	*139.00*
7.5	15	50	13…18	223	GV2ME20		*1*	*139.00*
9	15	40	17…23	327	GV2ME21		*1*	*165.80*
11	15	40	20…25	327	GV2ME22	*(3)*	*1*	*165.80*
15	10	50	24…32	416	GV2ME32		*1*	*207.00*

Motor circuit-breakers from 0.06 to 15 kW / 400 V, with lugs

GV2 ME●●6

GV2 ME●●6 with pushbutton control								
–	–	–	0.1…0.16	1.5	GV2ME016		*1*	*182.80*
0.09	«	«	0.25…0.40	5	GV2ME036		*24*	*150.10*
0.12	«	«	0.40…0.63	8	GV2ME046		*24*	*150.10*
0.18	«	«						
0.25	«	«	0.63…1	13	GV2ME056		*24*	*150.10*
0.37	«	«	1…1.6	22.5	GV2ME066		*1*	*141.60*
0.55	«	«						
0.75	«	«	1.6…2.5	33.5	GV2ME076		*1*	*141.60*
1.1	«	«	2.5…4	51	GV2ME086		*1*	*141.60*
1.5	«	«						
2.2	«	«	4…6.3	78	GV2ME106		*1*	*141.60*
3	«	«	6…10	138	GV2ME146		*24*	*153.40*
4	«	«						
5.5	15	50	9…14	170	GV2ME166		*1*	*153.40*
7.5	15	50	13…18	223	GV2ME206		*24*	*153.40*
9	15	40	17…23	327	GV2ME216		*1*	*201.70*
11	15	40	20…25	327	GV2ME226	*(3)*	*1*	*182.80*
15	10	50	24…32	416	GV2ME326		*1*	*228.00*

(1) As % of Icu.

(2) The thermal trip setting must be within the range marked on the graduated knob.

(3) Maximum rating which can be mounted in enclosures GV2 MC or MP, please consult Sales Office.

(4) « > 100 kA.

TeSys Power
TeSys Deca Motor Circuit Breakers - Frame 2
Magnetic protection

unit price (excl. GST in Singapore Dollars)

Motor circuit-breakers from 0.06 to 15 kW / 400 V, with screw clamp terminals

● Provides short-circuit protection

GV2 L●●

Standard power ratings of 3-phase motors 50-60 Hz in category AC-3 400/415 V			Magnetic protection rating	Tripping current Id ± 20%	Reference	Price (S$)
P	Icu	Ics *(1)*				
kW	**kA**	**%**	**A**	**A**		**(unit)**
GV2 L with rotary knob, connection by screw clamp terminals						
0.09	«	«	0.4	5	GV2L03	*138.20*
0.12	«	«	0.63	8	GV2L04	*138.20*
0.18	«	«				
0.25	«	«	1	13	GV2L05	*138.20*
0.37	«	«				
0.55	«	«	1.6	22.5	GV2L06	*138.20*
0.75	«	«	2.5	33.5	GV2L07	*138.20*
1.5	«	«	4	51	GV2L08	*171.70*
2.2	«	«	6.3	78	GV2L10	*171.70*
3	«	«	10	138	GV2L14	*171.70*
4	«	«				
5.5	50	50	14	170	GV2L16	*171.70*
7.5	50	50	18	223	GV2L20	*171.70*
9	50	50	25	327	GV2L22	*171.70*
11	50	50				
15	50	50	32	416	GV2L32	*221.50*

GV2 LE●●

GV2 LE with rocker lever, connection by screw clamp terminals						
0.06	«	«	0.4	5	GV2LE03	*191.40*
0.09	«	«				
0.12	«	«	0.63	8	GV2LE04	*191.40*
0.18	«	«				
0.25	«	«	1	13	GV2LE05	*76.30*
0.37	«	«				
0.55	«	«	1.6	22.5	GV2LE06	*72.40*
0.75	«	«	2.5	33.5	GV2LE07	*72.40*
1.1	«	«				
1.5	«	«	4	51	GV2LE08	*72.40*
2.2	«	«	6.3	78	GV2LE10	*72.40*
3	«	«	10	138	GV2LE14	*77.90*
4	«	«				
5.5	15	50	14	170	GV2LE16	*77.90*
7.5	15	50	18	223	GV2LE20	*77.90*
9	15	40	25	327	GV2LE22	*92.90*
11	15	40				
15	10	50	32	416	GV2LE32	*115.90*

(1) As % of Icu.
(2) « > 100 kA.

G

TeSys Power
TeSys Deca Motor Circuit Breakers - Frame 2/3
Thermal-magnetic and Magnetic protection

unit price (excl. GST in Singapore Dollars)

Thermal-magnetic motor circuit-breakers from 0.06 to 30 kW / 400 V

● Provides over-load and short-circuit protection

GV2 P●●

GV3 P●●

GV3 P73/P80

EverLink®

Standard power ratings of 3-phase motors 50-60 Hz in category AC-3 400/415V			Setting range of thermal trips *(2)*	Magnetic tripping current	Reference	Price (S$)
P	Icu	Ics *(1)*		*Id ± 20 %*		
kW	**kA**	**%**	**A**	**A**		**(unit)**
GV2 P: control by rotary knob, Screw clamp terminals						
–	–	–	0.1…0.16	1.5	GV2P01	*176.30*
0.06	«	«	0.16…0.25	2.4	GV2P02	*176.30*
0.09	«	«	0.25…0.40	5	GV2P03	*176.30*
0.12	«	«	0.40…0.63	8	GV2P04	*176.30*
0.18	«	«				
0.25	«	«	0.63…1	13	GV2P05	*176.30*
0.37	«	«	1…1.6	22.5	GV2P06	*164.40*
0.55	«	«				
0.75	«	«	1.6…2.5	33.5	GV2P07	*164.40*
1.1	«	«	2.5…4	51	GV2P08	*164.40*
2.2	«	«	4…6.3	78	GV2P10	*164.40*
3	«	«	6…10	138	GV2P14	*205.70*
5.5	«	«	9…14	170	GV2P16	*205.70*
7.5	50	50	13…18	223	GV2P20	*205.70*
9	50	50	17…23	327	GV2P21	*235.80*
11	50	50	20…25	327	GV2P22	*235.80*
15	50	50	24…32	416	GV2P32	*243.00*
GV3 P: control by rotary knob, connection by EverLink® BTR screw connector (3)						
5.5	100	100	9…13	182	GV3P13	*357.00*
7.5	100	100	12…18	252	GV3P18	*357.00*
11	100	100	17…25	350	GV3P25	*387.80*
15	100	100	23…32	448	GV3P32	*387.80*
18.5	50	100	30…40	560	GV3P40	*399.60*
22	50	100	37…50	700	GV3P50	*471.60*
30	50	100	48…65	910	GV3P65	*474.20*
37	50	60	62…73	1120	GV3P73	*513.50*
45	50	60	70…80	1120	GV3P80	*522.00*

Motor circuit-breakers from 0.09 to 30 kW

● Provides short-circuit protection

GV3 L●●

GV3 L73/80

Standard power ratings of 3-phase motors 50/60 Hz in category AC-3 400/415V			Magnetic protection rating	Tripping current Id ± 20 %	Use in association with TOR	Reference	Price (S$)
P	Icu	Ics *(1)*					
kW	**kA**	**%**	**A**	**A**	Class 10 A		
GV3 L: control by rotary knob, connection by EverLink® BTR screw connector							
11	**100**	**100**	25	350	LRD325	GV3L25	*354.40*
15	**100**	**100**	32	448	LRD332	GV3L32	*354.40*
18.5	**50**	**100**	40	560	LRD340	GV3L40	*401.50*
22	**50**	**100**	50	700	LRD350	GV3L50	*431.60*
30	**50**	**100**	65	910	LRD365	GV3L65	*463.10*
37	**50**	**60**	73	1120	LRD380	GV3L73	*521.40*
45	**50**	**60**	80	1100	LRD380	GV3L80	*531.80*

(1) As % of Icu.

(2) The thermal trip setting must be within the range marked on the graduated knob.

(3) BTR screws: hexagon socket head. Require use of an insulated Allen key, in compliance with local wiring regulations.

(4) Recommended for use in association with a contactor.

(5) 750 A peak current max.

TeSys Power
TeSys Deca Motor Circuit Breakers - Frame 4
Thermal-magnetic and Magnetic protection

unit price (excl. GST in Singapore Dollars)

Magnetic motor circuit breakers from 11 to 55 kW

EverLink®

GV4LE●●●

GV4L●●●

Standard power ratings of 3-phase motors 50-60 Hz in category AC-3 400/415V			In	Setting range of magnetic trips, Ii	Reference	Price (S$)
P	Icu	Ics *(1)*				
kW	**kA**	**%**	**A**	**A**		**(unit)**
● Provides short-circuit protection						
GV4 LE: control by toggle, connection by EverLink® BTR screw connector						
11…22	50	100	50	300…700	GV4LE50N	*580.30*
	100	100			GV4LE50S	*606.60*
22…37	25	100	80	480…1120	GV4LE80B	*547.60*
	50	100			GV4LE80N	*592.10*
	100	100			GV4LE80S	*609.70*
30…55	25	100	115	690…1610	GV4LE115B	*578.40*
	50	100			GV4LE115N	*595.40*
	100	100			GV4LE115S	*614.40*
GV4 L: control by rotary handle, connection by EverLink® BTR screw connector						
11…22	25	100	50	300…700	GV4L50B	*724.40*
	50	100			GV4L50N	*628.10*
22…37	25	100	80	480…1120	GV4L80B	*600.00*
	50	100			GV4L80N	*648.40*
	100	100			GV4L80S	*660.80*
30…55	25	100	115	690…1610	GV4L115B	*621.60*
	50	100			GV4L115N	*664.80*

Thermal magnetic motor circuit breakers from 11 to 55 kW

● Provides over-load and short-circuit protection

GV4PE●●●

GV4P●●●

GV4PEM●●●

Standard power ratings of 3-phase motors 50-60 Hz in category AC-3 400/415V			Setting range of thermal trips, Ir *(2)*	Reference	Price (S$)
P	Icu	Ics *(1)*			
kW	**kA**	**%**	**A**		**(unit)**
GV4 PE: control by toggle, connection by EverLink® BTR screw connector					
11…22	25	100	20…50	GV4PE50B	*1,034.00*
	50	100		GV4PE50N	*1,089.10*
	100	100		GV4PE50S	*1,107.40*
22…37	25	100	40…80	GV4PE80B	*998.20*
	50	100		GV4PE80N	*1,028.90*
	100	100		GV4PE80S	*1,089.10*
37…55	25	100	65…115	GV4PE115B	*1,113.20*
	50	100		GV4PE115N	*1,147.40*
	100	100		GV4PE115S	*1,188.00*
GV4 P: control by rotary handle, connection by EverLink® BTR screw connector					
11…22	25	100	20…50	GV4P50B	*1,044.60*
	50	100		GV4P50N	*1,100.20*
22…37	25	100	40…80	GV4P80B	*1,019.00*
	50	100		GV4P80N	*1,039.90*
	100	100		GV4P80S	*1,063.00*
37…55	25	100	65…115	GV4P115B	*1,100.90*
	50	100		GV4P115N	*1,158.60*
				GV4P115S	*1,193.20*
GV4 PEM: control by toggle, connection by EverLink® BTR screw connector					
11…22	50	100	20…50	GV4PEM50N	*1,807.40*
22…37	25	100	40…80	GV4PEM80B	*1,656.80*
	50	100		GV4PEM80N	*1,406.00*
	100	100		GV4PEM80S	*1,478.00*
37…55	25	100	65…115	GV4PEM115B	*1,521.40*
	50	100		GV4PEM115N	*1,567.80*
	100	100		GV4PEM115S	*1,639.80*

(1) As % of Icu.

(2) The thermal trip setting must be within the range marked on the graduated knob.

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TeSys Power
TeSys Deca Motor Circuit Breakers - Frame 5/6
Thermal-magnetic protection

unit price (excl. GST in Singapore Dollars)

Thermal-magnetic circuit breakers GV5P with screw clamp terminals up to 110 kW

Control by direct rotary handle

GV5P

● Provides over-load and short-circuit protection

Standard power ratings of 3-phase motors 400/415V 50-60 Hz in category AC-3			Setting range of thermal trips *(2)*	Reference	Price (S$)
P	Icu	Ics *(1)*			
kW	**kA**	**%**	**A**		
55…75	36	100	70…150	**GV5P150F**	*1,511.60*
	70	100		**GV5P150H**	*1,461.50*
90…110	36	100	100…220	**GV5P220F**	*1,638.20*
	70	100		**GV5P220H**	*1,780.80*

Thermal-magnetic circuit breakers GV6P with screw clamp terminals up to 250 kW

Control by direct rotary handle

GV6P

Standard power ratings of 3-phase motors 400/415V 50-60 Hz in category AC-3			Setting range of thermal trips *(2)*	Reference	Price (S$)
P	Icu	Ics *(1)*			
kW	**kA**	**%**	**A**		
132…160	36	100	200…320	**GV6P320F**	*2,680.10*
	70	100		**GV6P320H**	*2,825.50*
200…250	36	100	250…500	**GV6P500F**	*2,909.80*
	70	100		**GV6P500H**	*3,062.60*

For motors with high current peak on starting

Control by rocker lever

GV2 RT●●

Standard power ratings of 3-phase motors 50-60 Hz in category AC-3		Setting range of thermal trips *(2)*	Magnetic tripping current *Id ± 20 %*	Reference	Price (S$)
220/230 V	400/415 V				
kW	**kW**	**A**	**A**		**(unit)**
0.06	0.09	0.25…0.40	8	GV2RT03	*142.90*
–	0.12	0.40…0.63	13	GV2RT04	*142.90*
	0.18				
0.09	0.25	0.63…1	22	GV2RT05	*142.90*
0.12	0.37				
0.18	0.37	1…1.6	33	GV2RT06	*142.90*
0.25	0.55				
0.37	0.75	1.6…2.5	51	GV2RT07	*142.90*
0.55	1.1	2.5…4	78	GV2RT08	*142.90*
0.75	1.5				
1.1	2.2	4…6.3	138	GV2RT10	*142.90*
1.5	3	6…10	200	GV2RT14	*178.30*
2.2	4				
2.2	5.5	9…14	280	GV2RT16	*178.30*
3					
4	7.5	13…18	400	GV2RT20	*178.30*
5.5	9	17…23	400	GV2RT21	*184.20*
	11				

(1) As % of Icu.

(2) The thermal trip setting must be within the range marked on the graduated knob.

TeSys Power
TeSys Deca Motor Circuit Breakers - Frame 2
Add-on blocks and accessories

unit price (excl. GST in Singapore Dollars)

Add-on blocks and accessories

GVAE●●

GVAN●●

GVAU●●● GVAS●●●

LA9 LB920

Contact blocks

Description	Mounting	Max. nos.	Type of contacts	Reference	Sold in lots of	Price (S$) (unit)
Instantaneous auxiliary contacts	Front (1)	1	N /O or N/C (2)	GVAE1	*10*	*23.00*
			N/O + N/C	GVAE11	*10*	*23.60*
			N/O + N/O	GVAE20	*10*	*23.60*
Instantaneous auxiliary contacts	Side (LH)	2	N/O + N/C	GVAN11	*10*	*23.60*
			N/O + N/O	GVAN20	*10*	*23.60*
Fault signalling contact + instantaneous auxiliary contact	Side (3) (LH)	1	N/O (fault) + N/O	GVAD1010	*10*	*42.00*
			+ N/C	GVAD1001	*10*	*42.00*
			N/C (fault) + N/O	GVAD0110	*10*	*42.00*
			+ N/C	GVAD0101	*10*	*42.00*
Short-circuit signalling contact	Side (LH)	1	C/O common point	GVAM11	*10*	*78.00*

Electric trips

Mounting	Voltage		Reference	Sold in lots of	Price (S$) (unit)
Undervoltage or shunt trips *(4)*					
Side of circuit-breaker	24 V	50 Hz	GVA●025	*1*	*83.90*
	48 V	50 Hz	GVA●055	*1*	*83.30*
	110…115 V	50 Hz	GVA●115	*1*	*83.90*
	120…127 V	50 Hz	GVA●125*	*1*	*83.30*
	220…240 V	50 Hz	GVA●225	*1*	*83.90*
	380…400 V	50 Hz	GVA●385	*1*	*83.90*
	415…440 V	50 Hz	GVA●415*	*1*	*83.90*

** GVAS125/GVAS415 is marked as End of Commercialization*

Add-on contact blocks

Description	Mounting	Reference	Sold in lots of	Price (S$) (unit)
Limiters	At top (GV2 ME and GV2 P)	GV1L3	*1*	*248.90*
	Independent	LA9LB920	*1*	*458.40*
Set of 3-pole 115 A busbars 3 tap-offs. Pitch: 64 mm	GV3 P●● and GV3 L●●	GV3G364	*1*	*67.70*

(1) Mounting of a GV AE contact block or a GV2 AK00 visible isolation block on GV2P and GV2L

(2) Choice of N/C or N/O contact operation, depending on which way round the reversible block is mounted.

(3) The GVAD is always mounted next to the circuit-breaker.

(4) To order an undervoltage trip: replace the dot (●) in the reference with a U, example: GVAU025.
To order a shunt trip: replace the dot (●) in the reference with an S, example: GVAS025.

unit price (excl. GST in Singapore Dollars)

Accessories for GV2

GV2 AF01

GV2 AF3

Connections

Description	Application	Reference	Sold in lots of	Price (S$) (unit)
Combination blocks	Between GV2 and contactor LC1 K or LP1 K	GV2AF01	*10*	*24.20*
	Between GV2 and contactor LC1 D09…D38	GV2AF3	*10*	*10.90*
	Between GV2 mounted on LAD 311 and contactor LC1 D09…D38	GV2AF4	*10*	*16.40*

Description	Application	Reference	Sold in lots of	Price (S$) (unit)
Motor starter adapter plate	With 3-pole connection for mounting a GV2 and a contactor LC1 D09…D25	GK2AF01	*1*	*38.80*

GV2 AP02

Description	Application	Pitch mm	Reference	Sold in lots of	Price (S$) (unit)
Sets of 3-pole 63 A busbars	2 tap-offs	45	GV2G245	*1*	*28.90*
		54	GV2G254	*1*	*31.00*
	3 tap-offs	45	GV2G345	*1*	*37.40*
		54	GV2G354	*1*	*37.40*
	4 tap-offs	45	GV2G445	*1*	*38.80*
		54	GV2G454	*1*	*40.70*
	5 tap-offs	54	GV2G554	*1*	*40.10*

GV2 V03

Pad lockable external operators

Description		Reference	Sold in lots of	Price (S$) (unit)
For GV2 P and GV2 L (150 to 290 mm)	Padlocking in “On” and “Off” position Black handle, black legend plate, IP 54	GV2APN01	*1*	*169.10*
	Padlocking in “Off” position Red handle, yellow legend plate, IP 54	GV2APN02	*1*	*146.80*
For GV2 LE	Padlocking in “On” and “Off” position Black handle, blue legend plate, IP 54	GV2AP03	*1*	*115.30*

Padlocking device

Description		Reference	Sold in lots of	Price (S$)
For all GV2 device	For use with up to 4 padlocks, Ø 6 mm shank max. (padlocks not included)	GV2V03	*1*	*169.10*

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TeSys Power
TeSys Deca Motor Circuit Breakers - Frame 4
Accessories

unit price (excl. GST in Singapore Dollars)

Accessories for GV4

GV4AE11

Auxiliary contact blocks

Description	Maximum number	Mounting	Type of contacts	Sold in lots of	Reference	Price (S$) (unit)
Auxiliary contact block for OF or SD indication	2 (1 OF + 1SD)	Internal, plug-in	NO + NC	1	GV4AE11	*28.50*

Auxiliary contact blocks

Description	Maximum number	Mounting	Voltage	Reference	Price (S$) (unit)
MX Shunt trip	1	Internal, plug-in	24 VAC 50/60Hz, 24 VDC	GV4AS027	*595.40*
			110…130 VAC 50/60Hz, 125 VDC	GV4AS137	*595.40*
			220…240 VAC 50Hz	GV4AS287	*425.20*
			380…415 VAC 50/60Hz	GV4AS487	*595.40*
MN undervoltage release	1	Internal, plug-in	24 VAC 50/60Hz, 24 VDC	GV4AU027	*774.00*
			110…130 VAC 50/60Hz, 125 VDC	GV4AU137	*774.00*
			220…240 VAC 50Hz	GV4AU247	*774.00*
			380…415 VAC 50/60Hz	GV4AU415	*774.00*

GV4A S/U

GV4ADN●●

Direct mounting rotary handles

Description	Type	Degree of protection	Reference	Price (S$)
Direct mounting rotary handle	Black handle	IP40	GV4ADN01	*170.30*
	Red handle on yellow bezel (VDE standard, for machine control)	IP40	GV4ADN02	*550.10*

GV4APN01

Front extended rotary handles

Description	Type	Degree of protection	Reference	Price (S$)
Front extended rotary handle kit	Black handle	IP54	GV4APN01	*220.10*
	Red handle on yellow bezel	IP54	GV4APN02	*220.10*
Open door shaft operator			LV426937	*68.68*

Sealing devices

Description		Reference	Price (S$)
Bag of 6 leads + 6 sealing accessories	Black handle, black legend plate	LV429375	*45.19*

GV4ADM1111

SDx contact module for GV4PEM (Multifunction)

Description	Maximum number	Mounting	Type of contacts	Reference	Price (S$) (unit)
SDx: alarming / fault differentiation module	2	Side	N/O / N/C	GV4ADM1111	*1,021.60*

G

TeSys motor starters - For motors up to from 0.06 kW up to 75 kW at 415V
Type 1 Coordination: D.O.L with Thermal magnetic circuit breaker + Contactor Sub-assembly by customer

unit price (excl. GST in Singapore Dollars)

TeSys K with GV2 ME

TeSys Deca with GV2 ME

0.06 kW to 75 kW at 400/415V: type 1 coordination

Type 1 Coordination

According to IEC 60439-4-1, type 1 coordination requires that in the event of a short circuit,
- contactor or starter must not present any danger to personnel or installation
- must not be able to resume operation without repair or replacement of parts

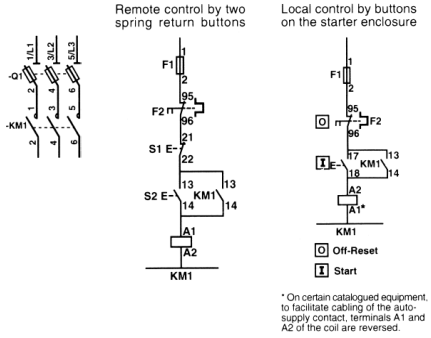
Standard power rating of 3-phase motors in category AC-3/AC-3e 400/415V			Circuit-breaker Setting range of thermal trip			Contactor		Total Price per starter (S$)
P	Ie	Iq		Reference	(1)		Reference '(1)(2)(3)	(4)
kW	**A**	**kA**	**A**					
0.06	0.2	50	0.16…0.25	GV2ME02			LC1K06●●●●	147.80
						or	LC1D09●●	154.30
0.09	0.3	50	0.25…0.40	GV2ME03			LC1K06●●●●	147.80
						or	LC1D09●●	154.30
0.12	0.44	50	0.40…0.63	GV2ME04			LC1K06●●●●	147.80
0.18	0.6	50				or	LC1D09●●	154.30
0.25	0.85	50	0.63…1	GV2ME05			LC1K06●●●●	147.80
0.37	1.1	50				or	LC1D09●●	154.30
0.55	1.5	50	1…1.6	GV2ME06			LC1K06●●●●	141.80
						or	LC1D09●●	148.30
0.75	1.9	50	1.6…2.5	GV2ME07			LC1K06●●●●	141.80
						or	LC1D09●●	148.30
1.1	2.7	50	2.5…4	GV2ME08			LC1K06●●●●	141.80
1.5	3.6	50				or	LC1D09●●	148.30
2.2	4.9	50	4…6.3	GV2ME10			LC1K06●●●●	141.80
						or	LC1D09●●	148.30
3	6.5	50	6…10	GV2ME14			LC1K09●●●●	157.80
4	8.5	50				or	LC1D09●●	156.50
5.5	11.5	15	9…14	GV2ME16			LC1K12●●●●	166.80
						or	LC1D12●●	162.40
7.5	15.5	15	13…18	GV2ME20			LC1D18●●	180.00
9	18.1	15	17…23	GV2ME21			LC1D25●●	237.20
11	22	15	20…25	GV2ME22			LC1D25●●	237.20
15	29	10	24…32	GV2ME32			LC1D32●●	287.00
18.5	35	50	30…40	GV3P40			LC1D40A●●	582.90
22	41	50	37…50	GV3P50			LC1D50A●●	662.70
30	55	50	48…65	GV3P65			LC1D65A●●	730.20
37	66	50	62…73	GV3P73			LC1D80A●●	815.80
		100	40…80	GV4P80●			LC1D80●●	1,262.50
45	80	100	65…115	GV4P115●			LC1D95●●	1,440.00
55	97	100	65…115	GV4P115●			LC1D115●●	1,562.00
75	132	36	70…150	GV5P150●			LC1D150●●	2,025.20

(1) To complete the reference for the contactor, please refer to notes below

TeSys Deca Motor Circuit Breakers - GV4P: refer to page G-31
TeSys Deca Motor Circuit Breakers - GV5P/ GV6P: refer to page G-32
K contactors for motor control: refer to page G-6
TeSys Deca 3-pole contactors for motor control: refer to page G-10

(2) For reversing operation, replace the reference prefix LC1 by LC2.
*(3) Use combination block **GV2AF3** for connection between GV2 and contactor LC1D09…D38*
*Use combination block **GV2AF01** for connection between GV2 and contactor LC1K*
(4) Price for AC coil only. Selection table assumes use of 220V a.c. control coil voltage for all contactors.
Other control voltage coil, please ref. to page G10

Direct-on-line starters for motor control



TeSys motor starters - For motors up to from 0.06 kW up to 75 kW at 415V
Type 2 Coordination: D.O.L with Thermal magnetic circuit breaker + Contactor
Sub-assembly by customer

unit price (excl. GST in Singapore Dollars)

TeSys Deca with GV2 ME

TeSys Deca with GV2 P

0.06 kW to 75 kW at 400/415V: type 2 coordination

Type 2 Coordination

According to IEC 60439-4-1, type 2 coordination requires that in the event of a short circuit,
- contactor or starter must not present any danger to personnel or installation
- must subsequently be able to resume operation

Standard power rating of 3-phase motors in category AC-3/AC-3e 400/415V			Circuit-breaker Setting range of thermal trips			Contactor		Total Price per starter (S$)
P	Ie	Iq			Reference (1)	Reference	'(1)(2)(3)	(4)
kW	**A**	**kA**	**A**					
0.06	0.2	130	0.16…0.25		GV2ME02	LC1D09●●		154.30
				or	GV2P02	LC1D09●●		187.60
0.09	0.3	130	0.25…0.40		GV2ME03	LC1D09●●		154.30
				or	GV2P03	LC1D09●●		187.60
0.12	0.44	130	0.40…0.63		GV2ME04	LC1D09●●		154.30
0.18	0.6	130		or	GV2P04	LC1D09●●		187.60
0.25	0.85	130	0.63…1		GV2ME05	LC1D09●●		154.30
0.37	1.1	130		or	GV2P05	LC1D09●●		187.60
0.55	1.5	130	1…1.6		GV2ME06	LC1D09●●		148.30
				or	GV2P06	LC1D09●●		177.70
0.75	1.9	130	1.6…2.5		GV2ME07	LC1D09●●		148.30
				or	GV2P07	LC1D09●●		177.70
1.1	2.7	130	2.5…4		GV2ME08	LC1D09●●		148.30
1.5	3.6	130		or	GV2P08	LC1D09●●		177.70
2.2	4.9	130	4…6.3		GV2ME10	LC1D09●●		148.30
				or	GV2P10	LC1D09●●		177.70
3	6.5	130	6…10		GV2ME14	LC1D09●●		156.50
4	8.5	130		or	GV2P14	LC1D09●●		212.10
5.5	11.5	130	9…14		GV2ME16	LC1D25●●		214.80
				or	GV2P16	LC1D25●●		270.40
7.5	15.5	15	13…18		GV2ME20	LC1D25●●		214.80
		50		or	GV2P20	LC1D25●●		270.40
9	18.1	15	17…23		GV2ME21	LC1D25●●		237.20
		50		or	GV2P21	LC1D25●●		295.50
11	22	15	20…25		GV2ME22	LC1D25●●		237.20
		50		or	GV2P22	LC1D25●●		295.50
15	29	10	24…32		GV2ME32	LC1D32●●		287.00
		50		or	GV2P32	LC1D32●●		317.00
18.5	35	50	30…40		GV3P40	LC1D50A●●		602.70
22	41	50	37…50		GV3P50	LC1D50A●●		662.70
30	55	50	48…65		GV3P65	LC1D65A●●		730.20
37	66	50	62…73		GV3M73	LC1D80A●●		815.80
		100	40…80		GV4P80●	LC1D80●●		1,262.50
45	80	100	65…115		GV4P115●	LC1D115●●		1,562.00
55	97	100						
75	132	70	10…150		GV5P150●	LC1D150●●		1,983.40

(1) To complete the reference for the contactor, please refer to notes below

TeSys Deca 3-pole contactors for motor control: refer to page G-10

(2) For reversing operation, replace the reference prefix LC1 by LC2.
*(3) Use combination block **GV2AF3** for connection between GV2 and contactor LC1D09…D38*
*Use combination block **GV2AF01** for connection between GV2 and contactor LC1K*
(4) Price for AC coil only. Selection table assumes use of 220V a.c. control coil voltage for all contactors.
Other control voltage coil, please ref. to page G10

Motor Starters - For motors up to from 0.37 kW up to 75 kW at 400V
Type 2 Coordination: D.O.L with overload relay + Contactor
Sub-assembly by customer

unit price (excl. GST in Singapore Dollars)

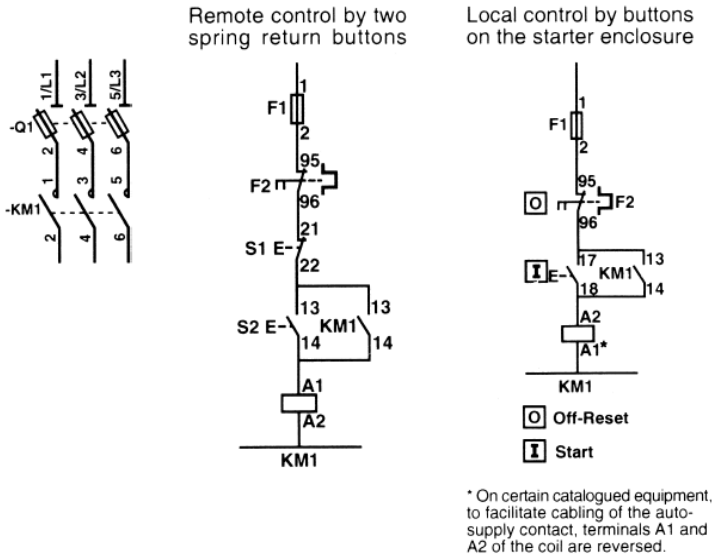
0.37 to 75 kW at 400/415V: type 2 coordination

- 400/415V 3-phase motor application.
- Higher motor rating, please consult our local sales office.
- Customer to select suitable short-circuit protection device

Standard power rating of 3-phase motors 400/415V		Contactor		Thermal overload		Total Price per starter
P	Ie	Reference (1)	Price (S$)	Reference	Price (S$)	(S$)
kW	**Amp**					
0.37	1.1	LC1D09●●	*48.80*	LRD06	*61.70*	*110.50*
0.55	1.5	LC1D09●●	*48.80*	LRD06	*61.70*	*110.50*
0.75	1.9	LC1D09●●	*48.80*	LRD07	*56.50*	*105.30*
1.1	2.7	LC1D09●●	*48.80*	LRD08	*56.50*	*105.30*
1.5	3.6	LC1D09●●	*48.80*	LRD08	*56.50*	*105.30*
2.2	4.9	LC1D09●●	*48.80*	LRD10	*56.50*	*105.30*
3	6.5	LC1D09●●	*48.80*	LRD12	*56.50*	*105.30*
4	8.5	LC1D09●●	*48.80*	LRD14	*56.50*	*105.30*
5.5	11.5	LC1D12●●	*55.90*	LRD16	*56.50*	*112.40*
7.5	15.5	LC1D18●●	*77.00*	LRD21	*56.50*	*133.50*
9	18.4	LC1D25●●	*118.80*	LRD22	*71.50*	*190.30*
11	22	LC1D25●●	*118.80*	LRD22	*71.50*	*190.30*
15	29	LC1D32●●	*137.40*	LRD32	*96.40*	*233.80*
18.5	35	LC1D40A●●	*299.90*	LRD340	*185.50*	*485.40*
22	41	LC1D50A●●	*323.60*	LRD350	*215.60*	*539.20*
30	55	LC1D65A●●	*402.00*	LRD365	*216.20*	*618.20*
37	66	LC1D80●●	*452.00*	LRD3363	*258.80*	*710.80*
45	80	LC1D95●●	*534.80*	LRD3363	*258.80*	*793.60*
55	97	LC1D150●●	*1,102.30*	LR9D5369	*596.00*	*1,698.30*
75	132	LC1D150●●	*1,102.30*	LR9D5369	*596.00*	*1,698.30*

(1) Replace suffix ●● with coil voltage code from page G10 for Deca range contactor.
Price for AC coil only. Selection table assumes use of 220V a.c. control coil voltage for all contactors.
Other control voltage coil, please ref. to page G10

Direct-on-line starters for motor control



* On certain catalogued equipment, to facilitate cabling of the auto-supply contact, terminals A1 and A2 of the coil are reversed.

Motor Starters - For motors up to from 1.5 kW up to 80 kW at 400V
Type 2 Coordination: Thermal overload relay + Contactor
Sub-assembly by customer

unit price (excl. GST in Singapore Dollars)

Sub-assembly by customer for Star-Delta motor starters						
Standard power rating of 3-phase motors 400/415V		**Star (KM1)** contactor c/w 1NO+1NC aux. contacts	**Delta (KM3)** contactor c/w 1NO+1NC aux. contacts	**Line (KM2)** contactor c/w 1NO+1NC aux. Contacts & timer	**Thermal overload**	**Total Price per starter *(S$)***
		Reference *(1)*	Reference *(1)*	Reference *(1)*	Reference *(2)*	*(3)*
kW	**A**					
4	8.5	LC1D09M7	LC1D09M7	LC1D09M7 LADS2	LRD14	*238.10*
5.5	11.5	LC1D12M7	LC1D12M7	LC1D12M7 LADS2	LRD16	*255.80*
7.5	15.5	LC1D18M7	LC1D18M7	LC1D18M7 LADS2	LRD21	*308.60*
9	18.1	LC1D25M7	LC1D25M7	LC1D25M7 LADS2	LRD22	*425.50*
11	22.0	LC1D25M7	LC1D25M7	LC1D25M7 LADS2	LRD22	*425.50*
15	29.0	LC1D32M7	LC1D32M7	LC1D32M7 LADS2	LRD32	*492.70*
18.5	35.0	LC1D40AM7	LC1D40AM7	LC1D40AM7 LADS2	LRD340	*973.20*
22	41.0	LC1D50AM7	LC1D50AM7	LC1D50AM7 LADS2	LRD350	*1,057.70*
30	55.0	LC1D65AM7	LC1D65AM7	LC1D65AM7 LADS2	LRD365	*1,254.10*
37	66.0	LC1D80M7	LC1D80M7	LC1D80M7 LADS2	LRD3363	*1,414.70*
45	80.0	LC1D115M7	LC1D115M7	LC1D115M7 LADS2	LR9D5369	*2,268.70*
55	97.0	LC1D150M7	LC1D150M7	LC1D150M7 LADS2	LR9D5369	*2,862.10*

(1) For other control coil voltages, please refer to

TeSys Deca Contactors: refer to page G10-G11

For contactors used in motor control, 9 to 150A in category AC-3/AC-3e

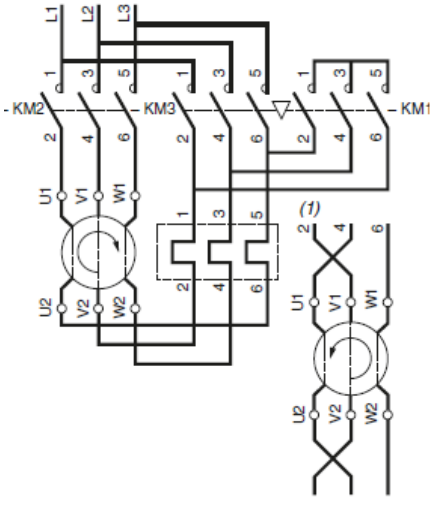
(2) For accessories to do independent mounting of thermal overload relays, please refer to

TeSys Deca Thermal Overload Relays: refer to page G21

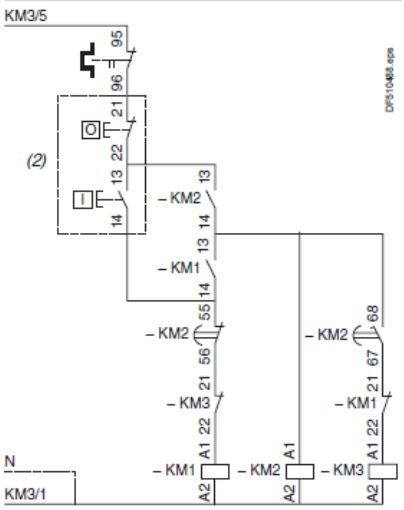
For overload protection, used with TeSys Deca contactors

(3) Price for AC coil only. Selection table assumes use of 220V a.c. control coil voltage for all contactors. Other control voltage coil, please ref. to page G10

LC3K, LC3D09A to D80
LC3D090A to D320A



LC3D



Note: LC3D09A to D18A: Mechanical interlock between KM3 and KM1.

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Motor Starters - For motors up to from 90 kW up to 335 kW at 400V

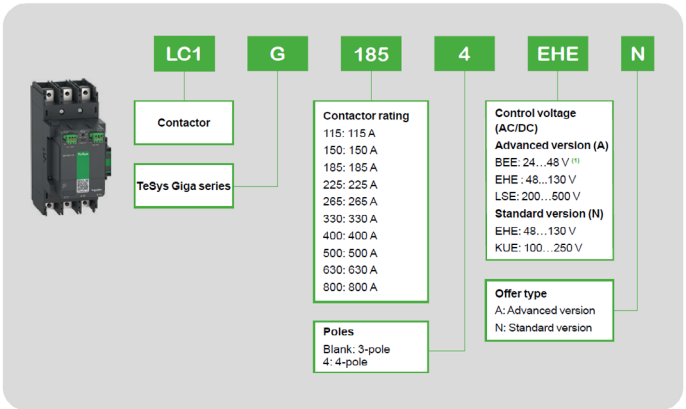
Type 2 Coordination: Thermal overload relay + Contactor

Sub-assembly by customer

unit price (excl. GST in Singapore Dollars)

Sub-assembly by customer for Star-Delta motor starters						
Standard power rating of 3-phase motors		**Star (KM1)** contactor c/w 1NO+1NC aux. Contacts	**Delta (KM3)** contactor c/w 1NO+1NC aux. Contacts	**Line (KM2)** contactor c/w 1NO+1NC aux. Contacts & timer	**Thermal overload**	**Total Price per starter *(S$)***
400/ 415V		Reference *(1)*	Reference *(1)*	Reference *(1)*	Reference	*(2)*
kW	**A**					
90	160	LC1D65A●●	LC1G115●●●N LADN22	LC1G115●●●N LADN22 LADS2	LR9G115	*3,076.50*
110	195	LC1D80A●●	LC1G150●●●N LADN22	LC1G150●●●N LADN22 LADS2	LR9G225	*3,494.90*
132	230	LC1G115●●●N	LC1G185●●●N LADN22	LC1G185●●●N LADN22 LADS2	LR9G225	*4,540.80*
160	280	LC1G115●●●N	LC1G225●●●N LADN22	LC1G225●●●N LADN22 LADS2	LR9G225	*5,610.80*
200	350	LC1G115●●●N	LC1G265●●●N LADN22	LC1G265●●●N LADN22 LADS2	LR9G225	*6,038.80*
220	380	LC1G150●●●N LADN22	LC1G330●●●N LADN22	LC1G330●●●N LADN22 LADS2	LR9G500	*7,038.20*
250	430	LC1G150●●●N LADN22	LC1G400●●●N LADN22	LC1G400●●●N LADN22 LADS2	LR9G500	*8,322.20*
315	540	LC1G225●●●N LADN22	LC1G500●●●N LADN22	LC1G500●●●N LADN22 LADS2	LR9G500	*11,072.10*
335	575	LC1G225●●●N LADN22	LC1G500●●●N LADN22	LC1G500●●●N LADN22 LADS2	LR9G500	*11,072.10*

(1) For other control coil voltages, please refer to



(2) Price for 220V AC coil for LC1D contactors and 100…250V AC/DC coil for LC1G standard version contactors

TeSys enclosed motor starters
D.O.L. starters for motor control
0.25 to 7.5kW with 3-phase thermal overload relay

unit price (excl. GST in Singapore Dollars)

Enclosed motor starters

Conforming to standards	IEC 60947-4-1
Degree of protection to IEC 529	IP 65
Ambient air temperature	For operation: -5 to + 40 °C
Operating positions	Identical to those for k contactors
Material	Self-extinguishing ABS

Non-reversing starters

Starter LE1M, combined with short-circuit protection components, provides type 1 or type 2 coordination, depending on the type of devices used.

LE1-M35●●●●

Standard power ratings of 3-pha motors 50/60 Hz in category AC 415V		Setting range of thermal overload relay LR2K *(1)*	**Basic reference,** complete with M7 220/230V indicating control circuit voltage *(2)*	**Price (S$)** (3)
KW	**HP**	**A**		**(unit)**
0.25	1/3	54…0.8	LE1M35●●05*	*210.60*
0.37	1/2	0.8…1.2	LE1M35●●06	*209.80*
0.55	3/4	1.2…1.8	LE1M35●●07	*209.80*
0.75	1	1.8…2.6	LE1M35●●08	*209.80*
1.5	2	2.6…3.7	LE1M35●●10	*209.80*
2.2	3	3.7…5.5	LE1M35●●12	*209.80*
3	4	5.5…8	LE1M35●●14	*226.10*
4	$5^1/_2$	8…11.5	LE1M35●●16	*226.10*
5.5	$7^1/_2$	10…14	LE1M35●●21	*243.80*
7.5	10	12…16	LE1M35●●22	*243.80*

*For LE1M35N705 pricing, please consult your sales office

Description

- The standard version comprises:
  - 1 green Start button "I",
  - 1 red Stop/Reset button "O/R",
  - 1 yellow operating indicator.
- Control may be pulsed or maintained.
- An earth terminal and a neutral terminal are provided on the bottom of the enclosure

(1) Thermal overload relay fitted as standard.

(2) The contactor coil is pre-wired between 2 phases of the power circuit.

The codes indicated below are therefore correspond to the ***power circuit voltage.***

Replace ●● with below others voltage code.

Volts	**220/**	**380/**	**400/**
50/60 Hz	**230**	**400**	**415**
Code	M7	Q7	N7

Example: 380/400 V 3-phase mains supply, 4 kW motor: **LE1M35Q716**.

(3) For LE1M35N705, please contact local sales office for price

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TeSys motor starters - open version
TeSys U starter-controllers
Non-reversing power bases

unit price (excl. GST in Singapore Dollars)

Power bases for non-reversing D.O.L. starting *(1)*

LUB 12 **LUB 32**

Two versions of control connection configuration are available:

■ **connection by screw terminals**, plug-in control terminal block,

■ **without connections.** This version enables wiring to be prepared in advance and is recommended when a communication module is required (allowing the use of control connection prewiring accessories) or when a reverser block is to be mounted by the customers.

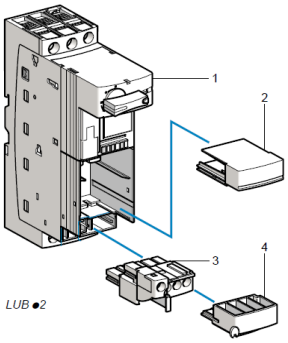
Connection		Item	Rating			Reference	Price (S$)
Power	Control	*(2)*	≤ 440 V	500 V	690 V		
			A	**A**	**A**		**(unit)**

These bases have 2 auxiliary contacts: 1 N/O (13-14) and 1 N/C (21-22) which indicate the closed or open position of the power poles.

A low power internal contact allows power supply to the control unit to be switched off when the rotary knob is no longer in the ON position.

The power bases must be used in conjunction with a control unit, see pages G51 to G52.

Screw clamp terminals	Screw clamp terminals	1 + 2 + 3 + 4	12	12	9	LUB12	*401.00*
			32	23	21	LUB32	*525.60*



LUB ●2

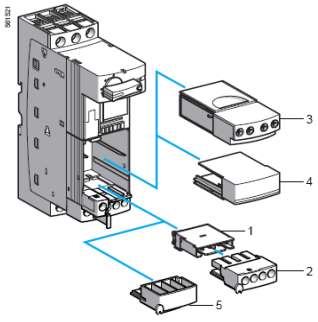
(1) Rated breaking capacity for operation on short-circuit (Ics), see table below.
For higher values, use current limiters. See page G48

Volts	**230**	**440**	**500**	**690** *(2)*
kA	50	50	10	4

(2) For 690 V, use phase barrier LU9SP0.

Auxiliary contacts

Signalling and composition	Cabling	Item	Reference	Price (S$)
1 N/C fault signalling contact (95-96), 1 N/O contact (17-18) indicating rotary knob in "ready" position	Screw clamp terminals	1 + 2	LUA1C11	*51.20*
1 N/O fault signalling contact (97-98) 1 N/O contact (17-18) indicating rotary knob in "ready" position	Screw clamp terminals	1 + 2	LUA1C20	*51.20*



LUB + LUA1 + LUF N

Auxiliary contact modules for connection by screw clamp terminals

Composition	Item	Reference	Price (S$)
2 N/O contacts (33-34 and 43-44)	3	LUFN20	*67.30*
1 N/C contact (31-32) and 1 N/O contact (43-44)	3	LUFN11	*66.00*
2 N/C contacts (31-32 and 41-42)	3	LUFN02	*66.00*

Accessories

Description	For use on	Item	Reference	Price (S$)
Blanking covers	Location for add-on contact blocks	5	LU9C2	*8.70*

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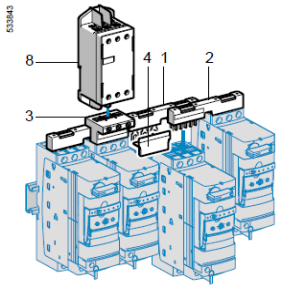
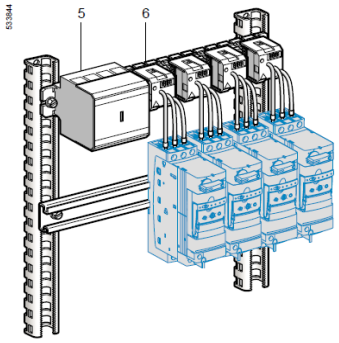
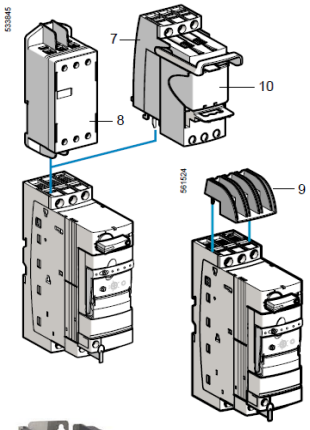
TeSys motor starters - open version
TeSys U starter-controllers
Power connection pre-wired system, limiter blocks and accessories

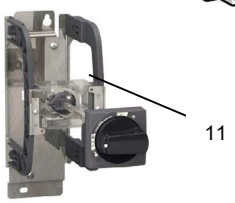
unit price (excl. GST in Singapore Dollars)

Power connection pre-wired system









Pre-wired system for power connections up to 63 A

Description	Item	Application	Pitch mm	Sold in lots of	Reference	Price (S$) (unit)
Sets of 3-pole 63 A busbars	2	2 tap-offs	45	1	GV2G245	28.90
			54	1	GV2G254	31.00
	–	3 tap-offs	45	1	GV2G345	37.40
			54	1	GV2G354	37.40
	1	4 tap-offs	45	1	GV2G445	38.80
			54	1	GV2G454	40.70
		5 tap-offs	54	1	GV2G554	40.10
Terminal block for supply to one or more busbar sets	3	Connection from the top	–	1	GV1G09	23.60

Description	Item	Application	Pitch mm	Sold in lots of	Reference	Price (S$) (Lot of 5)
Protective end cover	4	For unused busbar outlets	–	5	GV1G10	6.60

Limiter blocks and accessories

Application	Item	Breaking capacity Iq (kA) ≤ 440 V	690 V	Mounting	Unit Reference		Price (S$) (unit)
Limiter-disconnector *(2)(3)*	7 + 10	130	70	Direct on power base	LUALB1	*(1)*	780.70
Current limiter *(2)*	8	100	35	Separate	LA9LB920		POR
Limiter cartridge	10	130	70	Limiter-disconnector	LUALF1		610.70

Phase barrier

Application	Item	Application	Mounting	Reference	Price (S$)
Phase barrier	9	LUB or LU2B 12 or 120 LUB or LU2B 32 or 320 LUA LB1	Direct on terminals L1, L2, L3	LU9SP0	90.80

Door interlock mechanisms

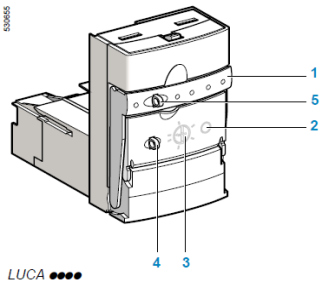
Application	Item	Reference	Price (S$)
IP54 kit, black	11	LU9APN21	316.00
IP54 kit, red/yellow	11	LU9APN21	316.00

(1) Supplied with limiter cartridge.
(2) These devices make it possible to increase the breaking capacity of the power base.
(3) The limiter must be mounted on an LUB or LU2B power base. The limiter can therefore not be common to several motor starters.
P.O.R.- Price On Request

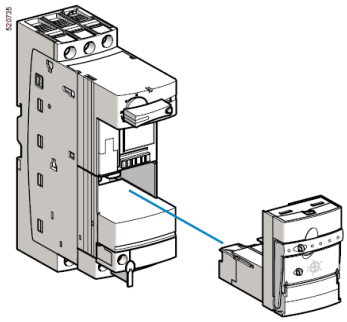
TeSys motor starters - open version
Model U starter-controllers
Standard and advanced control units

unit price (excl. GST in Singapore Dollars)

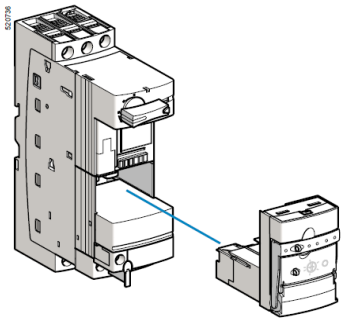
Model U starter controllers



LUCA ●●●●
LUCB ●●●●



LUB ●2 + LUCA ●●●●



LUB ●2 + LUCB ●●●●

1 Extraction and locking handle
2 Test button (on advanced control unit only)
3 Ir adjustment dial
4 Locking of settings by sealing the transparent cover
5 Sealing of locking handle

Standard control units

Maximum standard power ratings of 3-phase motors 50/60Hz 400/440V	500V	690V	Setting range	Clip-in mounting on power base Rating	**Basic reference,** to be completed by adding the voltage code (1)	**Price (S$)**
kW	**kW**	**kW**	**A**	**A**		**(unit)**
0.09	–	–	0.15…0.6	12 and 32	LUCAX6●●	*POR*
0.25	–	–	0.35…1.4	12 and 32	LUCA1X●●	*POR*
1.5	2.2	3	1.25…5	12 and 32	LUCA05●●	*POR*
5.5	5.5	9	3…12	12 and 32	LUCA12●●	*POR*
7.5	9	15	4.5…18	32	LUCA18●●	*POR*
15	15	18.5	8…32	32	LUCA32●●	*POR*

Advanced control units

Pressing the Test button on the front panel simulates tripping on thermal overload.

Class 10 for 3-phase motors

0.09	–	–	0.15…0.6	12 and 32	LUCBX6●●	*POR*
0.25	–	–	0.35…1.4	12 and 32	LUCB1X●●	*POR*
1.5	2.2	3	1.25…5	12 and 32	LUCB05●●	*POR*
5.5	5.5	9	3…12	12 and 32	LUCB12●●	*POR*
7.5	9	15	4.5…18	32	LUCB18●●	*POR*
15	15	18.5	8…32	32	LUCB32●●	*POR*

(1) Standard control circuit voltages:
Replace suffix ●● with below control circuit voltage code.

Volts	**24**	**110…240**
d.c.	BL (2), (3)	–
a.c.	B	–
a.c. or d.c.	–	FU (4)

(2) Voltage code to be used for a starter-controller with communication module.
(3) d.c. voltage with maximum ripple of ± 10 %.
(4) d.c.: 110…220 V, a.c.: 110...240 V.
P.O.R.- Price On Request

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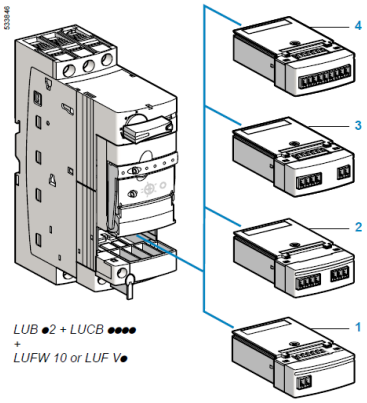
TeSys motor starters - open version
Model U starter-controllers
Function modules, Parallel wiring module and pre-wired coil connection components

unit price (excl. GST in Singapore Dollars)

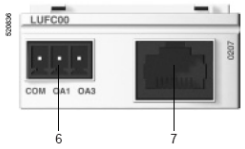
Function modules



LUB ●2 + LUCB ●●●●
+
LUFW 10 or LUF V●

Output	Item	Application	Reference	Price (S$)
Thermal overload signalling and manual reset				
1 N/O + 1 N/C	**3**	a.c. or d.c. 24…250 V	LUFDH11	*392.60*
Thermal overload signalling and automatic or remote reset				
1 N/C	4	a.c. or d.c. 24…250 V	LUFDA01	*412.40*
1 NO	**4**	a.c. or d.c. 24…250 V	LUFDA10	*469.10*
Thermal overload alarm				
1 NO	**1**	a.c. or d.c. 24…250 V	LUFW10	*510.80*
Indication of motor load				
4 - 20 mA	**2**		LUFV2	*1,127.00*

Parallel wiring module and pre-wired coil connection components



Description	Reference	Price (S$)
Parallel wiring module	LUFC00	*324.50*

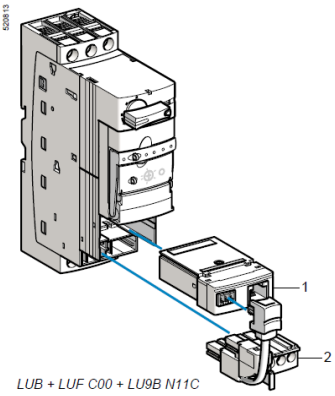
Pre-wired components simplify wiring and reduce wiring errors

Connection of communication module output terminals to the coil terminals

By pre-wired connector or wire link.

■ **Pre-wired connector: pre-wired coil connection**

The use of a power base without pre-wired connections is recommended.



LUB + LUF C00 + LU9B N11C

Description	For use with power base	Item	Reference	Price (S$)
Pre-wired coil connection	LU2B●●	8	LU9MRC	*201.90*

■ **Wire link:**

Allows insertion, for example, of an emergency stop control or a voltage interface. This type of connection must be used for a reversing starter-controller assembled using an LU6M reverser block for separate mounting. When reverser block LU6M and the power base are mounted side-by-side, a pre-wired connector LU9M RC may be used.

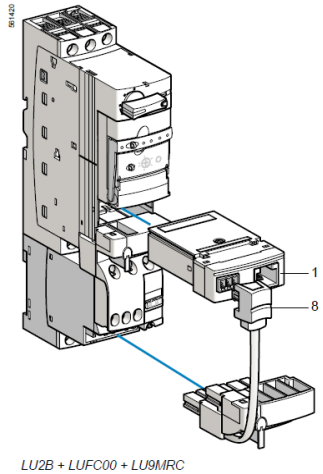
Connection of parallel wiring module to the PLC

Connection cables to the splitter box

Connection	Length	Reference	Price (S$)
2 x RJ45 connectors	0.3	LU9R03	*44.80*
	1	LU9R10	*46.90*
	3	LU9R30	*131.10*

Connection cables from splitter box to PLC

Type of connection		Gauge	c.s.a.	Length	Reference	Price (S$)
PLC side	Splitter box side					(unit)
		AWG	**mm2**	**m**		
HE 10	HE 10	22	0.324	2	TSXCDP203	*200.72 (1)*
20-way	20-way			3	TSXCDP303	*222.31 (1)*
				5	TSXCDP503	*329.34 (1)*
Bare	HE 10	22	0.324	3	TSXCDP301	*169.45 (1)*
wires	20-way			5	TSXCDP501	*298.54 (1)*



LU2B + LUFC00 + LU9MRC

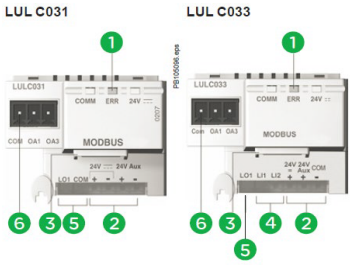
(1) See Automation price book or consult our Customer Care Centre.

G

TeSys motor starters - open version
Model U starter-controllers
Modbus communication modules and pre-wired coil connection components

unit price (excl. GST in Singapore Dollars)

Modbus communication modules



1 Module status signalling LED
2 24 V supply connection
3 RJ45 connector for RS485 Modbus link
4 2 discrete inputs
5 1 discrete output
6 Outputs for starter commands

Description	Item	Reference	Price (S$)
Communication modules	**1**	LULC033	*641.80*

Pre-wired components simplify wiring and reduce wiring errors

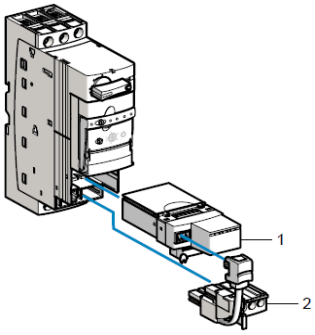
Connection of communication module output terminals to the coil terminals

See page G53

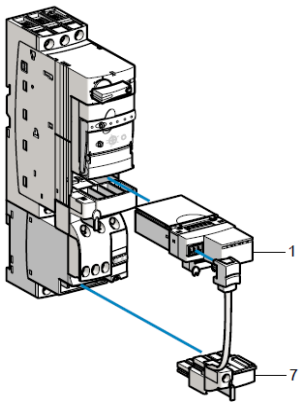
Connection of communication modules on the serial bus

Achieved either by means of a Modbus hub or using T-Junctions

Description	Length m	Reference	Price (S$) (unit)
Modbus hub **8 slaves**	–	LU9GC3	*502.90*
Cables fitted with **2 x RJ45 connectors**	0.3	VW3A8306R03	*16.79*
	1	VW3A8306R10	*15.14*
	3	VW3A8306R30	*25.24*
T-junctions *(1)*	0.3	VW3A8306TF03	*64.27*
	1	VW3A8306TF10	*72.72*



LUB + LUL C033 + LU9B

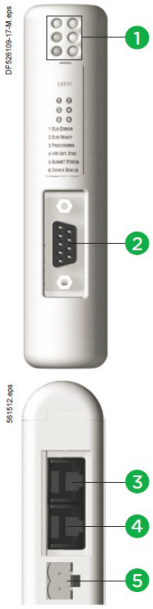


LU2B + LUL C033 + LU9M

(1) Fitted with 2 RJ45 female connectors (bus side) and a 0.3 m or 1 m length cable supplied with an RJ45 male connector (station side).

unit price (excl. GST in Singapore Dollars)

Communication gateways LUF P



Front panel of the product

1 LED indicating :

- communication status of the Modbus serial links,
- gateway status,
- communication status of the Fipio, Profi bus DP or DeviceNet bus.

2 Connectors for connection to Fipio, Profibus DP or DeviceNet buses.

Underside of product

3 RJ45 connector for connection of the Modbus serial link

4 RJ45 connector for link to a PC

5 d.c. 24 V power supply

Description	For use with	With bus type	Reference	Price (S$) (unit)
Communication gateways	TeSys Model U starter-controllers	Profibus DP/Modbus	LUFP7	*9,422.40*
		DeviceNet/Modbus	LUFP9	*23,841.00*

Connection accessories

Description	For use with	Length m	Connectors	Reference	Price (S$) (unit)
Connection cables	Modbus	3	1 RJ45 type connector and one end with stripped wires	VW3A8306D30	*20.70*
		0.3	2 RJ45 type connectors	VW3A8306R03	*16.79*
		1	2 RJ45 type connectors	VW3A8306R10	*15.14*
		3	2 RJ45 type connectors	VW3A8306R30	*25.24*

490NAD91103

G

Power Management & PowerLogic™ System

Retrofit & Wireless Products
Wireless Energy Sensors: PowerTag Acti9 & PowerTag NSX H-1

PowerLogic™ High-Density Multi-Circuit Power Meters
Multi-Circuit Metering: PowerLogic™ HDPM6000 series H-2

Power Monitoring Units
Basic Metering: Energy Meter iEM2000 and iEM3000 series H-3
Basic Multi-Function Metering: Digital meter DM6x00 H-4
Basic Multi-Function Metering: Power Meter PM3000 series H-4
EasyLogic™ Meter: Power Meter PM2000 series H-5
Basic Multi-Function Metering: Power Meter PM5000 series H-6
Advanced Metering: PowerLogic™ PM8000 series H-7
Advanced Metering: PowerLogic™ ION9000 series H-8
Panel Server and Gateways PAS600 and PAS800 H-9

Insulation Monitoring Devices
Vigilohm Insulation Monitoring Devices: IM and IFL series H-10

Protection Relays - Electrical network protection
PowerLogic™ P1 H-11
PowerLogic™ P3 H-12
PowerLogic™ P5 H-13

Arc Flash Protection - MV and LV Power Distribution
PowerLogic™ A1, A3, A5 H-14

Wireless Sensor for Overheating Cables
PowerLogic™ HeatTag H-15

H

Wireless Energy Sensors
PowerTag Acti9 & PowerTag NSX

unit price (excl. GST in Singapore Dollars)

A9MEM1520

A9MEM1521

A9MEM1542

PowerTag - Load metering and monitoring

PowerTags are electrical quantity measuring modules for 1P, 1P+N, 3P and 3P+N networks. They are mounted directly on the Acti9 and Multi9 ranges of 18mm intervals up to 63A.

Functions:
Combined with Acti9 Smartlink SI B (Ethernet) or Acti9 Smartlink SI D (Ethernet) by radio-frequency communication, PowerTag sensors measure the followings in accordance with the IEC 61557-12.
> Cumulative active energy, total and partial (kWh)
> RMS values :
  > phase to neutral and phase to phase voltages (V)
  > current per phase (A)
  > total active power and active power per phase (W)
  > power factor

Installed upstream or downstream of a protective device, they measure useful data for diagnosis of the associated circuit.

IEC 61557-12

A9MEM1570

A9MEM1580

A9MEM1590

Sensors

Type	Reference	Price (S$)
PowerTag Acti9 Monoconnect 1P+W Top and Bottom position Max 63A Energy Sensor	A9MEM1520	*358.00*
PowerTag Acti9 Monoconnect 1P+N Top position Max 63A Energy Sensor	A9MEM1521	*287.00*
PowerTag Acti9 Monoconnect 1P+N Bottom position Max 63A Energy Sensor	A9MEM1522	*287.00*
PowerTag Acti9 Monoconnect 3P Top and Bottom position Max 63A Energy Sensor	A9MEM1540	*471.00*
PowerTag Acti9 Monoconnect 3P+N Top position Max 63A Energy Sensor	A9MEM1541	*471.00*
PowerTag Acti9 Monoconnect 3P+N Bottom position Max 63A Energy Sensor	A9MEM1542	*471.00*
PowerTag Acti9 Flex 1P+N Top and Bottom position Max 63A Energy Sensor	A9MEM1560	*267.00*
PowerTag Acti9 PhaseNeutral 1P+N Bottom position Max 63A Energy Sensor for RCBO	A9MEM1563	*267.00*
PowerTag Acti9 Flex 3P+N Top and Bottom position Max 63A Energy Sensor	A9MEM1570	*485.00*
NEW PowerTag Energy Flex F160 3P/3PN	A9MEM1580	*528.00*
NEW PowerTag Energy Rope R200 3P/3PN	A9MEM1590	*1,194.00*
NEW PowerTag Energy Rope R600 3P/3PN	A9MEM1591	*1,334.00*
NEW PowerTag Energy Rope R1000 3P/3PN	A9MEM1592	*1,404.00*
NEW PowerTag Energy Rope R2000 3P/3PN	A9MEM1593	*1,475.00*

PowerTag NSX

Energy sensor, PowerTag NSX, 250 A, 3P	LV434020	*1,352.00*
Energy sensor, PowerTag NSX, 250 A, 3P+N	LV434021	*1,685.00*
Energy sensor, PowerTag NSX, 630 A, 3P	LV434022	*2,572.00*
Energy sensor, PowerTag NSX, 630 A, 3P+N	LV434023	*2,931.00*

NEW

unit price (excl. GST in Singapore Dollars)

PowerLogic™ HDPM6000 series

HDPM6000 (Head unit)

METSEHDPM6IO (I/O Module)

METSEHDPM6HMI7

HDPM6000R (Retrofit module)

HDPM Current Transformers

PowerLogic HDPM6000 high-density, multi-circuit power meters provide an all-in-one solution for today's modular and distributed architectures in large and critical power applications; and enable customized panelboard solutions for cost and network management in critical facilities

The HDPM6000's flexible platform helps to minimize integration costs, start-up time and operational expenses, as well as provide insight, accuracy and results. The HDPM6000 head unit provides voltage waveform capture, data logging and full Ethernet communication. The adaptable HDPM6000B communicates with the head unit and can be installed or retrofitted into any busway configuration with a high density of circuits.

With a modular platform approach to minimize integration costs, start-up time and operational expenses, HDPM6000 meters provide insight, accuracy and results. The HDPM6000 head unit provides voltage waveform capture, data logging and full Ethernet communication. HDPM6000S, with strip technology for branch circuit monitoring and click-in CT design, is perfect for new installations. The modular HDPM6000R is highly adaptable and can be retrofited into any switchgear, distribution panel or cabinet with a high density of circuits.

Applications
- Energy cost allocation
- Energy monitoring
- Power quality monitoring per circuit (THD + waveform capture)
- Energy billing
- Compliance

Features
- Monitor up to 192 circuits
- THD/circuit, waveform capture/circuit
- Support for MODBUS, SNMP and BACnet TCP IP
- Cybersecurity
- Embedded web page for configuration and monitoring
- Touch screen HMI for data display

HDPM Modules

Description	No. of Circuits	Reference	Price (S$)
HDPM6000 Head Unit			
HDPM 50 / 60 Hz up to 480 v	-	METSEHDPM6S480VC	*3,767.00*
HDPM6000 I/O Module			
HDPM I/O Module	-	METSEHDPM6IO	*2,465.00*
Expanded Input Module 2.0, 24 Channel		METSEHDPM6DI	*POA*
HMI Displays			
HDPM6000 4.3" Color Touchscreen HMI Display	-	METSEHDPM6HMI4	*4,744.00*
HDPM6000 7" Color Touchscreen HMI Display	-	METSEHDPM6HMI7	*9,180.00*
Power Supplies			
HDPM6000 Power Supply 100-240VAC to 24VDC 60 watt	-	METSEHDPM6PSV240	*586.00*
HDPM6000R Retrofit Bundles with Waveform Capture: HDPM6000 & HDPM6000R *(exclude Power Supply, HMI, I/O and CTs)*			
HDPMR 24 Ckt Module WFC	24	METSEHDPM6R24WF	*7,958.00*
HDPMR 42 Ckt Module WFC	42	METSEHDPM6R42WF	*9,850.00*
HDPMR 84 Ckt Module WFC	84	METSEHDPM6R84WF	*16,506.00*
HDPMR 24 Ckt Module	24	METSEHDPM6R24	*5,255.00*
HDPMR 42 Ckt Module	42	METSEHDPM6R42	*7,335.00*
HDPMR 84 Ckt Module	84	METSEHDPM6R84	*13,456.00*

**POA means Price on asking. For any items not listed here, kindly refer to sales representative for price.*

H

Basic Energy Metering
PowerLogic™ iEM2000 Series & iEM3000 Series

unit price (excl. GST in Singapore Dollars)

Acti 9 iEM2000 Series Energy Meters

A9MEM2000T

A9MEM2010

A9MEM2435

A9MEM2455

The Acti 9 iEM2000 and iEM2100 Series Energy Meters offer a cost-attractive, competitive range of single-phase DIN rail-mounted energy meters ideal for sub-billing and cost allocation applications.
Combined with communication systems, like Smart Link, the Acti 9 iEM2000 Series makes it easy to integrate electrical distribution measurements into customer's energy management systems. It's the right energy meter at the right price for the right job.
Two versions are available: 40A direct measure (iEM2000 models), and 63A direct measure (iEM2100 models)

Meter model and description	Current measurement	Reference	Price (S$)
iEM2000T basic energy meter, without display	Direct connected to 40 A	A9MEM2000T	*258.00*
iEM2000 basic energy meter, MID certified	Direct connected to 40 A	A9MEM2000	*265.00*
iEM2010 energy meter, kWh pulse output (MID)	Direct connected to 40 A	A9MEM2010	*326.00*
iEM2050 modular single phase power meter 230 V - 45 A with Modbus	Direct connected to 45 A	A9MEM2050	*239.00*
iEM2055 modular single phase power meter 230 V - 45 A with Modbus, MID	Direct connected to 45 A	A9MEM2055	*261.00*
iEM2435 -Modular single phase power meter 230V - 100A with communication M-Bus	Direct connected to 100 A	A9MEM2435	*561.00*
iEM2455 - Modular single phase power meter-230V - 100A with communication Modbus	Direct connected to 100 A	A9MEM2455	*510.00*

Acti 9 iEM3000 Series Energy Meters

A9MEM3310

Split core LVCT00102S 100 A

The Acti 9 iEM3000 Energy Meter Series offers a cost-attractive, competitive range of DIN rail-mounted energy meters ideal for sub-billing and PowerTag Energy Flex F160 3P/3PN
like Smart Link, the Acti 9 iEM3000 Series makes it easy to integrate electrical distribution measurements into customer's facility management systems. It's the right energy meter at the right price for the right job.

Several versions are available: 63 A direct measure (iEM3100 models), current transformers associated meter (iEM3200 models), and 125 A direct measure (iEM3300 models). low voltage current transformers (iEM3400 models), and Rogowski coils (iEM3500 models).

Meter model and description	Current measurement	Reference	Price (S$)
iEM3100 basic energy meter	Direct connected 63 A	A9MEM3100	*464.00*
iEM3110 energy meter with pulse output (MID)	Direct connected 63 A	A9MEM3110	*490.00*
iEM3115 multi-tariff energy meter (MID)	Direct connected 63 A	A9MEM3115	*517.00*
iEM3135 advanced multi-tariff energy meter & electrical parameter plus M-Bus comm port (MID)	Direct connected 63 A	A9MEM3135	*595.00* -
iEM3155 advanced multi-tariff energy meter & electrical parameter, Modbus RS-485 (MID)	Direct connected 63 A	A9MEM3155	*670.00*
iEM3200 basic energy meter	External CT 1 A or 5 A	A9MEM3200	*484.00*
iEM3210 energy meter with pulse output (MID)	External CT 1 A or 5 A	A9MEM3210	*527.00*
iEM3215 multi-tariff energy meter (MID)	External CT 1 A or 5 A	A9MEM3215	*529.00*
iEM3255 advanced multi-tariff energy meter & electrical parameter plus Modbus RS485 (MID)	External CT 1 A or 5 A	A9MEM3255	*662.00* -
iEM3310 energy meter with pulse output (MID)	Direct connected 125 A	A9MEM3310	*692.00*
iEM3350 energy meter & electrical parameter plus Modbus RS485 comm port	Direct connected 125 A	A9MEM3350	*999.00*
iEM3355 advanced multi-tariff energy meter & electrical parameter plus Modbus RS485 comm port (MID)	Direct connected 125 A	A9MEM3355	*1,222.00* - -
iEM3455 advanced multi-tariff energy meter & electrical parameter plus Modbus MS/TP comm port	LVCT*	A9MEM3455	*853.00* -

**LVCT*

These CTs are to be ordered separately.

H

Basic Multi-Function Metering

Digital Meter DM6x00H & Power Meter PM3000 series

unit price (excl. GST in Singapore Dollars)

Digital Meter DM6000

DM6200H

Introducing EasyLogicTM DM6000H/ DM6200H meters that are ideal replacement for multiple analogue meters for stand-alone metering in custom panels, switch boards, switch-gear, genset panels, motor control centres, power factor improvement panels and OEM panel board.

DM6x00H series meters offer large 8-segment alpha-numeric LED display type, intuitive navigation with self-guided 4 buttons, bright LED's of 14.2mm height with 12 LEDs for indicating percentage of load in the circuit.

Type		Reference	Price (S$)
DM6000H Class 1.0	Class1 panel mount meter with integrated display	METSEDM6000HCL10NC	*163.00*
DM6200H Class 1.0	Class1 panel mount meter with RS-485 and integrated display.	METSEDM6200HCL10RS	*164.00*

Power Meter PM3000 Series

METSEPM3200

This PowerLogic Power meter offers basic to advanced measurement capabilities. With compact size and DIN rail mounting, the PM3200 allows mains and feeders monitoring in small electrical cabinets. Combined with current transformers and voltage transformers, these meters can monitor 2-, 3- and 4-wire systems. The graphic display has intuitive navigation to easily access important parameters.

Type	H-10	Reference	Price (S$)
PM3200 basic power meter	Basic power meter	METSEPM3200	*767.00*
PM3210 power meter with pulse output	Power, current, THD, peak demand	METSEPM3210	*877.00*
PM3250 power meter with RS-485 port	Power, current, THD, peak demand	METSEPM3250	*935.00* -
PM3255 power meter plus 2 digital inputs, 2 digital outputs with RS485 port	Power, current, THD, peak demand, memory for load PowerTag Energy Flex F160 3P/3PN	METSEPM3255	*1,100.00*

EasyLogic™ Meter
Power Meter PM2000 series

unit price (excl. GST in Singapore Dollars)

Power Meter PM2000

METSEPM2110

Introducing EasyLogic PM2000 series, next generation power meter which offers all the measurement capabilities to monitor an electrical installation in a single 96mm x 96mm unit. The bright anti-glare display features large characters and powerful backlighting for easy reading even in extreme lighting conditions and viewing angles. Intuitive menus, multi-language text, icons and graphics create a friendly environment to learn about your electrical network.

Applications:
- Electrical installation remote monitoring
- Energy accounting and balancing
- Tenant and sub-billing
- Panel instrumentation
- Energy management

METSEPM2220

PM2230 with I/O

PM2000 Key Features

General	PM2220	PM2230
Current accuracy	± 0.5%	± 0.5%
Voltage accuracy	± 0.5%	± 0.5%
Active energy accuracy (Wh)	Class 1	Class 0.5s
Number of samples per cycle	64	64
Parameters measured		
Amps per phase, average, and neutral	■	
Voltage VLN, VLL, per phase, and average	■	
True and Displacement PF	■	
Energy: Wh, Vah, VARh (4 Quadrant)	■	
THD: Voltage L-N or L-L, Amps per phase	■	
Individual harmonics	up to 15th	up to 31st
Data Recording		
Min/ max with real time clock	■	
Data logging up to 2 parameters for 60 days at 15min interval	■	■
Communication		
RS 485 Port	1	
Modbus Protocol	■	

PM2000 Basic Meter Unit

		Reference	Price (S$)
PM2110	EasyLogic PM2110 VAF P & E meter THD POP CL 1	METSEPM2110	*448.00*
PM2120	EasyLogic PM2120 VAF P & E RS485 15thHar CL 1	METSEPM2120	*476.00*
PM2130	EasyLogic PM2130 VAF P&E RS485 31stHar CL 0.5S	METSEPM2130	*569.00*
PM2210	EasyLogic PM2210 VAF P & E meter THD POP CL 1	METSEPM2210	*458.00*
PM2220	EasyLogic PM2220 VAF P & E RS485 15thHar CL 1	METSEPM2220	*487.00*
PM2230	EasyLogic PM2230 VAF P&E RS485 31stHar CL 0.5S	METSEPM2230	*593.00*

Option modules for PM2230 only*

	Reference	Price (S$)
Easylogic PM2x30 Digital IO Module 2-IO	METSEPM2KDGTLIO22	*435.00*
Easylogic PM2x30 Analog IO Module 1-IO	METSEPM2KANLGIO11	*250.00*
PM2X30 - I/O Module - Analogue - 2 inputs + 2 outputs	METSEPM2KANLGIO22	*637.00*

Basic Multi-Function Metering
PowerLogic™ PM5100, PM5300, PM5500, PM5600, PM5700 series

unit price (excl. GST in Singapore Dollars)

Power Meter PM5000 (Panel mount meter)

PowerLogic™ PM5000 Series meter

PowerLogic™ PM5300 meter

The PowerLogic™ PM5000 power meter is the ideal fit for cost management applications. It provides the measurement capabilities needed to allocate energy usage, perform tenant metering and sub-billing, pin-point energy savings, optimize equipment efficiency and utilization, and perform a high level assessment of the power quality of the electrical network. Highly accurate devices with global billing certifications.
In a single 96 x 96 mm unit, with a graphical display, all three phases, neutral and ground can be monitored simultaneously.

Applications:
Cost management:
- -Sub-billing / tenant metering
- -Cost allocation

Network management
- -Basic Power Quality monitoring
- -Min/ Max monitoring (with timestamp)
- -Alarming
- -WAGES monitoring.

Meter unit

	Reference	Price (S$)
Class 0.5S, 15th harmonic, alarming, no communication, 1DO	METSEPM5100	*754.00*
Class 0.5S, 15th harmonic, alarming, RS485 Modbus, 1DO	METSEPM5110	*786.00*
Class 0.5S, 31st harmonic, alarming, RS485 Modbus, 256 kB,2DI/2DO	METSEPM5310	*1,381.00*
Class 0.5S, 31st harmonic, alarming, 256 kB, Ethernet, 2DI/2DO	METSEPM5320	*1,463.00*
Class 0.5S, 31st harmonic, alarming, 256 kB, RS485 Modbus, 2DI/2DO, 2Relay	METSEPM5330	*1,381.00*
Class 0.5S, 31st harmonic, alarming, 256 kB, Ethernet, 2DI/2DO, 2Relay	METSEPM5340	*1,520.00*
Class 0.5S, 15th harmonic, alarming, 256kB, RS-485 Modbus, 4DI, 2Relay	METSEPM5350	*909.00*
Class 0.2S, 63rd harmonic, alarming, RS485 & Ethernet, 4DI/2DO	METSEPM5560	*2,594.00*
Class 0.2S, 63rd harmonic, 1.1 MB, DIN mount, no display, 4DI/2DO	METSEPM5563	*2,550.00*
Class 0.2S, 63rd harmonic, alarming, RS485 & Ethernet, 2DI/2DO/2AI	METSEPM5570	*2,751.00*
Class 0.2S, 63rd harmonic, alarming, RS485 & Ethernet, 4DI/2DO, LVDC (24VDC) AUX	METSEPM5580	*3,025.00*
Class 0.2S, 63rd harmonic, waveform capture, sag/swell, 1.1 MB, Modbus & Ethernet, 4DI/2DO	METSEPM5650	*3,803.00*
Class 0.2S, 63rd harmonic, alarming, RS485 & Ethernet, 2DI/2DO, 2 Residual Current Measurement	METSEPM5660	*3,302.00*
Class 0.2S, 63rd harmonic, waveform capture, sag/swell, Modbus & Ethernet, 2DI/2DO, 2 RCM	METSEPM5760	*4,467.00*

4th CT input, Time-of-Use (TOU), Gateway Function

PowerLogic PM5350.

Meter unit with MID Compliance

	Reference	Price (S$)
Class 0.5s, 15th harmonic, RS-485 Modbus, 1DO, MID.	METSEPM5111	*929.00*
Class 0.5s, 31st harmonic, 256 kB, RS-485 Modbus, 2DI/2DO, 2Relay, MID	METSEPM5331	*1,538.00*
Class 0.5s, 31st harmonic, 256 kB, Ethernet, 2DI/2DO, 2Relay, MID	METSEPM5341	*1,572.00*
Class 0.2s, 63rd harmonic, 1.1 MB, Modbus and Ethernet, MID	METSEPM5561	*3,011.00*

4th CT input, Time-of-Use (TOU), Gateway Function

Advanced Metering
PowerLogic™ PM8000 series

unit price (excl. GST in Singapore Dollars)

Power Meter PM8000

PM8000 Series

The PowerLogic™ PM8000 series is highly accurate, extremely reliable and unmatched in flexibility and usability. Compliant with stringent international standards that guarantee accuracy, these meters are ideal for industrial and critical power facilities

Address power issues before they cause problems

- Monitor harmonics to mitigate excessive heating and premature failure of transformers
- Use trending and alarming to deflect fluctuations in current pull of critical equipment to prevent motor failure
- Utilise millisecond time stamping to analyse sequence of events
- Identify root cause by analysing electrical faults with patented disturbance direction detection
- Identify power quality issues per EN 50160, including frequency inconsistency, voltage fluctuations and unbalance, and harmonic contributions
- Allocate costs of water, air, gas, electricity, and steam (WAGES) across departments, phases of industrial process, or cost centers
- Utilise time-of-use calendar to capture electrical consumption for specific times including on/off peak and holidays

PM8000 Series Meter With Remote Display

Remote Display

I/O Module

PM8000 Key Features	
General	
Current accuracy	0.1% reading
Voltage accuracy (5A Nominal)	0.1% reading
Active energy accuracy	0.2%
Number of samples per cycle	256
4 CT input	■
Power Quality Measurements	
Individual harmonics via front panel	63
Individual hai via Struxureware software	127
Waveform capture	■
Voltage sags and swell detection	■
Fast acquistion	1/2 cycle
EN50160 compliance checking	■
Customizable data outputs (logic & math)	■
Data Recording	
Min/Max, instantaneous, event data logging	■
Sequence of Event Recording (SER)	■
Memory (in Mbytes)	512 Mb
Communication	
RS 485 Port	1
Ethernet Ports	2
Protocols (Modbus, ION, DNP3, IEC61850)	■

PM8000 Basic Meter Unit

			Reference	Price (S$)
NEW	PM8140	Essential, integrated display, 64 MB, 128 s/c	METSEPM8140	*5,009.00*
	PM8210	Low Voltage DC (LVDC) power, panel mount	METSEPM8210	*6,214.00*
	PM8213	LVDC, DIN rail mount, no display	METSEPM8213	*6,143.00*
	PM8214	LVDC, DIN rail mount, with remote display	METSEPM8214	*8,158.00*
	PM8240	AC/DC power, Integrated display panel mount meter	METSEPM8240	*6,214.00*
	PM82401	PM8240 meter with MID approval	METSEPM82401	*6,969.00*
	PM8243	AC/DC power, DIN rail mount meter, no display	METSEPM8243	*6,176.00*
NEW	PM8340	Advanced, integrated display, 512 MB, 512 s/c	METSEPM8340	*6,704.00*
	PM8244	AC/DC power, DIN rail mount meter with remote display	METSEPM8244	*8,158.00*

Option modules and accessories

	Reference	Price (S$)
Remote display, 3 meter cable, mounting hardware for 30mm hole (nut & centering pin), mounting hardware for DIN96 cutout adapter plate	METSEPM89RD96	*1,521.00*
Digital I/O module (6 digital inputs & 2 relay outputs)	METSEPM89M2600	*1,738.00*
Analogue I/O module (4 analogue inputs & 2 analogue outputs)	METSEPM89M0024	*2,373.00*
PM8000 METER SEALING KIT	METSEPM8000SK	*200.00*

**POA means Price on asking. For any items not listed here, kindly refer to sales representative for price.*

Advanced Metering
PowerLogic™ ION9000 series

unit price (excl. GST in Singapore Dollars)

ION Meter ION9000 Series

ION9000 Series

The PowerLogic™ ION9000 is your 24/7 power quality expert, providing information, not just data.

This meter offers a comprehensive and industry leading Power Quality Instrument (PQI) performance designation according to IEC 62586-1/-2. It provides the highest accuracy in industry according to ANSI C12.20 Class 0.1 and IEC 62053-22 Class 0.1S. Third-party lab-verified power quality, accuracy and safety ensure reliable performance and demonstrates the meter's suitability for both supply and demand side applications.

It is ideal for low to high voltage applications in industrial or healthcare facilities, data centers, and utility networks that offers unmatched levels of innovation:

- Unprecedented accuracy: Third-party certified 0.1S accuracy
- Modular, flexible, and adaptable: The most future-proof platform, with multiple mounting and communication options
- Cyber secure: Designed to align with your comprehensive grid cyber security policies
- Onboard power quality analysis: Complies with recognized power quality monitoring standards: IEC61000-4-30 class A, IEC62586-1 / IEC62586-2, and verified by third-party lab certifications. Connect via web browser for full PQ analysis, easy-to-read analysis according to EN50160 and IEEE519 standards, Patented disturbance direction detection
- Smart power event analysis: Powerful, system-level analysis engine
- ION programmability: Legendary, patented ION™ technology allows tremendous flexibility

ION9000 Key Features

General	
Use on LV, MV, and HV systems	■
Current accuracy:	0.1 % reading
Voltage accuracy:	0.1 % reading
Active energy accuracy:	0.1 Class
Number of samples/cycle or sample frequency:	1024
Power Quality Measurements	
Harmonic distortion:	Current and voltage
Individual harmonics via front panel:	63
via EcoStruxure™ software:	127
Waveform capture	■
Detection of voltage swells and sags	■
Fast acquistion	1/2 cycle
EN50160 compliance checking	■
Customizable data outputs (logic & math functions)	■
IEEE 519 compliance checking	■
Data Recording	
Min/Max, instantaneous, data, event data logging	■
Sequence of Event Recording (SER)	■
GPS synchronization	± 1ms
Memory (in Mbytes)	2 GB
Communication	
RS 485 Port	2
Ethernet Ports	2x 10/100BASE-TX, RJ45 connector, CAT5/5e/6/6a cable
Serial port protocols	Modbus, ION, DNP3
Ethernet port protocols	Modbus/TCP, ION TCP, DNP3 TCP, DHCP, DNS, IPv4, IPv6, IEC 61850
Alarm notification via email	■

ION9000 Commercial reference numbers

	Reference	Price (S$)
ION9000 meter, DIN mount, 192 mm display, B2B adapter, HW kit	METSEION92040	*13,935.00*
ION9000 meter, DIN mount, no display, HW kit	METSEION92030	*9,381.00*
NEW ION9000 meter, LVCS, DIN mount, 192 mm display, B2B adapter, hardware kit	METSEION93040	*15,054.00*
NEW ION9000 meter, LVCS, DIN mount, no display, hardware kit	METSEION93030	*9,851.00*
NEW ION9000T High-Speed Transient meter, DIN mount, 192 mm display, B2B adapter, HW kit	METSEION95040	*16,511.00*
NEW ION9000T High-Speed Transient meter, DIN mount, no display, HW kit	METSEION95030	*10,829.00*

Option modules and accessories

	Reference	Price (S$)
Remote display, color touchscreen, 192 x 192 mm	METSERD192	*7,366.00*
**POA means Price on asking. Kindly refer to sales representative for price.*	METSE9B2BMA	*478.00*
ION9000 Current Input hardware kit – terminal screws, CT covers	METSE9CTHWK	*467.00*
ION9000 meter hardware kit – plugs, terminal guards, spare grounding screw, DIN clips	METSE9HWK	*668.00*
RD192 remote display hardware kit	METSERD192HWK	*673.00*
ION7x50 to ION9000 Mounting Adapter Kit	METSE7x4MAK	*722.00*
ION9000 USB cover hardware kit	METSE9USBK	*467.00*

unit price (excl. GST in Singapore Dollars)

EcoStruxure Panel Server PAS600 and PAS800

The Panel servers are our new generation of gateways that provides fast and reliable connectivity in the demanding applications, from a single building to a multi-site enterprise. This gateway supports meters, monitors, protective relays, trip units, motor controls and other devices that need to communicate data quickly and efficiently.
It is your simple, cost-effective serial line to full Ethernet connectivity.

Features:
-Secure user interface including user's name and password for login complaince to IEC 62443
Panel Server collects and shares energy data to help achieve your energy conservation initiatives.
-Modbus Rs485 to Modbus TCP
-Allows user to specify the level of access for each master device as Read-only or Full access.
-Web pages provide easy configuration and setup-Ecostruxure Power commission software.
Commissioning via Bluetooth or Wifi

Panel Server	Reference	Price (S$)
PAS600	PAS600	*1,474.00*
PAS600L	PAS600L	*1,474.00*

Panel Server	Reference	Price (S$)
PAS800	PAS800	*2,960.00*
PAS800L	PAS800L	*3,019.00*
PAS800P	PAS800P	*3,154.00*

Vigilohm Insulation Monitoring Devices
IM and IFL series

unit price (excl. GST in Singapore Dollars)

Vigilohm Insulation Monitors and Fault Locators

IMD-IM10-

IMD-IM400C

IMDIFL12

IMD-IM20-1700

An IT earthing system allows your electrical distribution system to continually operate, even in the presence of an insulation fault, without endangering people or property. Required as part of an IT earthing system, an insulation monitoring device (IMD) detects the initial fault so you can make repairs before a second fault occurs, which could trigger protective devices and halt operations.

The main interest of IT systems is that in case of one insulation fault, no trip of protective device is required as the faulty current remains low.
Advantages of IT networks include:

- Enhanced continuity of service of the network (no trip if there is one insulation fault on the network).
- Reduced risk of electric shock.
- Reduced risk of fire or explosion (low faulty current in case of insulation fault).
- Reduced stress on the network and increased equipment life (low faulty current in case of insulation fault).

Insulation Monitors	Reference	Price (S$)
VIGILOHM INSULATION MONITOR IM10	IMD-IM10	*4,932.00*
VIGILOHM INSULATION MONITOR IM10 FOR HOSPITAL	IMD-IM10-H	*4,662.00*
VIGILOHM INSULATION MONITOR IM20	IMD-IM20	*7,237.00*
VIGILOHM INSULATION MONITOR IM20 FOR HOSPITAL	IMD-IM20-H	*7,881.00*
VIGILOHM INSULATION MONITOR IM400	IMD-IM400	*13,063.00*
VIGILOHM INSULATION MONITOR IM400C	IMD-IM400C	*16,684.00*
VIGILOHM INSULATION MONITOR IM9	IMD-IM9	*2,761.00*
VIGILOHM INSULATION MONITOR IM9 MOTOR	IMD-IM9-OL	*2,785.00*

Insulation Fault Locators	Reference	Price (S$)
VIGILOHM 12CH. LOCATOR 110-440VAC/DC	IMDIFL12	*2,883.00*
VIGILOHM 12CH. LOC. MODB. 110-440VAC/DC	IMDIFL12C	*1,854.00*
VIGILOHM 12CH. LOCATOR MODBUS HOSP.	IMDIFL12H	*1,804.00*
VIGIL 12CH ADV LOC MB 110-440VAC/DC	IMDIFL12MC	*1,841.00*

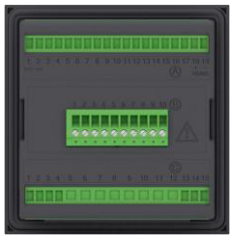
Accessories	Reference	Price (S$)
LIMITING IMPEDANCE PLATE ZX	50159	*3,517.00*
HOSPITAL REMOTE PANEL	50168	*1,186.00*
MOUNTING PLATE FOR CARDEW	50169	*200.00*
SURGE LIMITER CARDEW 440V AC	50171	*504.00*
SURGE LIMITER CARDEW 1000V AC	50183	*504.00*
VOLTAGE LOWERING PLATE PHT1000	50248	*3,928.00*
VIGILOHM HV 1,7KV SUBASSEMBLY FOR IM20	IMD-IM20-1700	*1,976.00*

PowerLogic P1
(Formerly known as Vamp 11F)

unit price (excl. GST in Singapore Dollars)

PowerLogic P1

Front view



Back view

PowerLogic P1 is a basic numerical relay that provides reliable and effective overcurrent protection with automation, control and measurement functions. It may be applied to all low voltage or medium voltage applications as a primary or back-up protection device.

Model L/L+: Basic phase and earth fault current protection with fault recording and two setting groups. With only 4 relay output contacts and circuit breaker control keys.

Model N: Communicating device with basic phase overcurrent and earth fault protection. It provides thermal overload function, fault and events recording and two setting groups. It comprises 6 relay outputs, a front USB and rear RS485 communication port.

Model B: Standard protection relay with phase overcurrent, earth fault protection and communication. It provides switch on to fault and blocking logic functions, event and fault recording and two setting groups. It comprises 4 relay outputs and 4 binary inputs, a front USB and rear RS485 communication port. Circuit breaker control is effected by front panel keys, remote communication port or via binary input.

Model A: Advanced model with phase overcurrent and earth fault protection. Covering all features of model B, it's comprises additionally inrush blocking function and in-built circuit breaker and trip circuit supervision. Moreover it can store 4 sec of disturbance records. CB control can be realized via front panel keys, remotely thru communication port or via binary input. This model offers a unique functionality of powering HMI board via USB front port. It means that setting and data downloading can be done without auxiliary voltage presence. Having 4 binary inputs and 8 relays outputs it can be applied to more advanced schemes within utilities or industria sites as feeder, incomer or transformer protection.

Model E: It's a highest model in PowerLogic P1F range. Covering all features of model A it comprises 8 binary inputs and 6 output relays. This relay can meet the requirements of more advanced applications in medium and low voltage substation. Additionally,in-built negative sequence overcurrent protection, broken conductor detection and 4 shot auto-reclose function makes PowerLogic P1F suitable as a feeder protection of overhead lines.

PowerLogic P1F Basic Feeder	**Reference**	**Price (S$)**
PowerLogic P1F model L		
PowerLogic P1F 24-250V 3CT 1Io: 0.01-2IN 0DI-4DO	REL15000	*852.00*
PowerLogic P1F 24-250V 3CT 1Io: 0.05-12IN 0DI-4DO	REL15001	*852.00*
PowerLogic P1F model L+		
PowerLogic P1F 24-250V 3CT 1Io: 0.01-2IN 0DI-4DO RS485	REL15002	*931.00*
PowerLogic P1F 24-250V 3CT 1Io: 0.05-12IN 0DI-4DO RS485	REL15003	*931.00*
PowerLogic P1F model N		
PowerLogic P1F 24-250V 3CT 1Io: 0.01-2IN 0DI-6DO RS485 USB	REL15004	*1,081.00*
PowerLogic P1F 24-250V 3CT 1Io: 0.05-12IN 0DI-6DO RS485 USB	REL15005	*1,037.00*
PowerLogic P1F model B		
PowerLogic P1F 24-60V 3CT 1Io: 0.01-2IN 4DI-4DO RS485 USB	REL15006	*1,114.00*
PowerLogic P1F 90-250V 3CT 1Io: 0.01-2IN 4DI-4DO RS485 USB	REL15007	*1,114.00*
PowerLogic P1F 24-60V 3CT 1Io: 0.05-12IN 4DI-4DO RS485 USB	REL15008	*1,114.00*
PowerLogic P1F 90-250V 3CT 1Io: 0.05-12IN 4DI-4DO RS485 USB	REL15009	*1,114.00*
PowerLogic P1F model A		
PowerLogic P1F 24-60V 3CT 1Io: 0.01-2IN 4DI-8DO RS485 USB	REL15010	*1,463.00*
PowerLogic P1F 90-250V 3CT 1Io: 0.01-2IN 4DI-8DO RS485 USB	REL15011	*1,463.00*
PowerLogic P1F 24-60V 3CT 1Io: 0.05-12IN 4DI-8DO RS485 USB	REL15012	*1,463.00*
PowerLogic P1F 90-250V 3CT 1Io: 0.05-12IN 4DI-8DO RS485 USB	REL15013	*1,463.00*
PowerLogic P1F model E		
PowerLogic P1F 24-60V 3CT 1Io: 0.01-2IN 8DI-6DO RS485 USB	REL15014	*1,715.00*
PowerLogic P1F 90-250V 3CT 1Io: 0.01-2IN 8DI-6DO RS485 USB	REL15015	*1,715.00*
PowerLogic P1F 24-60V 3CT 1Io: 0.05-12IN 8DI-6DO RS485 USB	REL15016	*1,715.00*
PowerLogic P1F 90-250V 3CT 1Io: 0.05-12IN 8DI-6DO RS485 USB	REL15017	*1,715.00*
Accessories		
Front cover for PowerLogic P1	REL15040	*131.00*

**POA means Price on asking if any. Kindly refer to sales representative for price.*

unit price (excl. GST in Singapore Dollars)

PowerLogic(PowerLogic) P3 Standard & Advance

PowerLogic P3 protection relay is based on proven technology concepts and developed in close cooperation with customers, so it's built to meet your toughest demands.
It's available in two sizes to best fit your needs:

- The PowerLogic P3 Standard combines protection functions such as directional earth fault for feeder and motor protection in a one-box solution.
- The PowerLogic P3 Advanced features a modular design that allows user-defined conventional protection and arc flash protection solutions in both new and existing power distribution systems.

PowerLogic products are designed to be user friendly, a feature that is proven in our customer reports day after day. You'll benefit from features that include:

- A complete set of protection functions, related to the application
- Arc detection (PowerLogic P3 Advanced)
- Dedicated circuit breaker control with single-line diagram, push buttons, programmable function key and LEDs, and a customizable alarm.
- Multilingual HMI for customized messaging
- Settings tool relay management software for setting parameters, configuring, and network fault simulation
- Both serial and Ethernet communication, including redundancy
- IEC 61850 standard Ed.1 & Ed.2

PowerLogic P3 Standard	Reference	Price (S$)
PowerLogic P3U, 4xI (1A/5A), 4U, 16DI/8DO, Power A 48 - 230Vdc/ac, 220-230Vdc/ac, 2 x RJ-45	REL52001	*8,603.00*
PowerLogic P3U, 4xI (1A/5A), 4U, 16DI/8DO, Power A 48 - 230Vdc/ac, 220-230Vdc/ac, RS-485	REL52002	*8,025.00*
PowerLogic P3U, 4xI (1A/5A), 4U, 16DI/8DO, Power A 48 - 230Vdc/ac, 24-230Vdc/ac, 2 x RJ-45	REL52003	*8,603.00*
PowerLogic P3U, 4xI (1A/5A), 4U, 16DI/8DO, Power A 48-230Vdc/ac, 110-230Vdc/ac, 2 x RJ-45	REL52004	*8,603.00*
PowerLogic P3U, 4xI (1A/5A), 4U, 16DI/8DO, Power A 48-230Vdc/ac, 24-230Vdc/ac, RS-485	REL52005	*8,025.00*
PowerLogic P3U, 4xI (1A/5A), 4U, 16DI/8DO, Power B 24Vdc/ac, 24-230Vdc/ac, RS-485	REL52006	*8,025.00*
PowerLogic P3U, 4xI (1A/5A), 4U, 16DI/8DO, Power A 48-230Vdc/ac, 24-230Vdc/ac, 2 x LC	REL52007	*8,955.00*
PowerLogic P3U, 4xI (1A/5A) ringlug, 4U, 16DI/8DO, Power A 48-230Vdc/ac, 110-230Vdc/ac, 2 x RJ-45	REL52008	*8,603.00*
PowerLogic P3U, 4xI (1A/5A), 4U, 16DI/8DO, Power B 24Vdc/ac, 24-230Vdc/ac, 2 x RJ-45	REL52009	*8,603.00*
PowerLogic P3U, 4xI (1A/5A), 4U, 16DI/8DO, Power A 48-230Vdc/ac, 110-230Vdc/ac, 2 x LC	REL52010	*8,955.00*
PowerLogic P3U, 4xI (1A/5A), 1U, 10DI/5DO, Power B 24Vdc/ac, 24-230Vdc/ac, 2 x RJ-45	REL52011	*7,160.00*
PowerLogic P3U, 4xI (1A/5A), 4U, 16DI/8DO, Power A 48-230Vdc/ac, 110-230Vdc/ac, RS-485	REL52012	*8,025.00*
PowerLogic P3U, 4xI (1A/5A), 1U, 10DI/5DO, Power A 48-230Vdc/ac, 24-230Vdc/ac, 2 x RJ-45	REL52013	*7,160.00*
PowerLogic P3U, 4xI (1A/5A), 4U, 16DI/8DO, Power B 24Vdc/ac, 24-230Vdc/ac, 2 x LC	REL52014	*8,955.00*
PowerLogic P3U, 4xI (1A/5A) ringlug, 1U, 10DI/5DO, Power A 48-230Vdc/ac, 110-230Vdc/ac, 2 x RJ-45	REL52015	*7,160.00*
PowerLogic P3U, 4xI (1A/5A) ringlug, 4U, 16DI/8DO, Power A 48-230Vdc/ac, 110-230Vdc/ac, RS-485	REL52016	*8,025.00*
PowerLogic P3U, 4xI (1A/5A) ringlug, 4U, 16DI/8DO, Power A 48-230Vdc/ac, 220-230Vdc/ac, 2 x RJ-45	REL52017	*8,603.00*
PowerLogic P3U, 4xI (1A/5A), 1U, 10DI/5DO, Power A 48-230Vdc/ac, 110-230Vdc/ac, 2 x RJ-45	REL52018	*7,160.00*
PowerLogic P3U, 4xI (1A/5A), 4U, 16DI/8DO, Power A 48-230Vdc/ac, 24-230Vdc/ac, LC + RS-232	REL52019	*9,085.00*
PowerLogic P3U, 4xI (1A/5A) ringlug, 4U, 16DI/8DO, Power B 24Vdc/ac, 24-230Vdc/ac, RS-485	REL52020	*8,025.00*
PowerLogic P3U, 4xI (1A/5A) ringlug, 4U, 16DI/8DO, Power A 48-230Vdc/ac, 110-230Vdc/ac, 2 x LC	REL52021	*8,955.00*
PowerLogic P3U, 4xI (1A/5A) ringlug, 4U, 16DI/8DO, Power A 48-230Vdc/ac, 24-230Vdc/ac, 2 x RJ-45	REL52022	*8,603.00*
PowerLogic P3U, 4xI (1A/5A) 4U, 16DI/8DO, Power A 48-230Vdc/ac, 110-230Vdc/ac, 2 x RJ-45	REL52025	*8,603.00*

To purchase PowerLogic P3 Advanced models, please contact your sales representative.

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unit price (excl. GST in Singapore Dollars)

PowerLogic P5

PowerLogic P5 protection relay is based on proven technology concepts and developed in close cooperation with customers, so it's built to meet your toughest demands. It's available in two sizes to best fit your needs:

- The PowerLogic P5 features a modular design that allows user-defined conventional protection and arc-flash protection solution
- The PowerLogic P5 embeds latest cybersecurity functionality to prevent intentional miss-use and cyber-attacks.
- The PowerLogic P5 enables fast replacement with enhanced safety thanks to the withdrawability and the back-up memory that automatically restore parameters without using any configuration tool.

PowerLogic products are designed to be user friendly, a feature that is proven in our customer reports day after day.

- A complete set of protection functions, related to the application
- Arc-flash detection in P5x30 models
- Dedicated CB control with single-line diagram, push buttons, programmable function key & LEDs, and a customizable alarm
- Multilingual HMI for customized messaging
- Settings tool relay management software for setting parameters, configuring, and network fault simulation
- Both serial and Ethernet communication, including redundancy
- IEC 61850 standard Ed.1 & Ed.2

PowerLogic P5 is a family of digital protection relays for distribution networks dedicated to:

- Critical buildings and Industry:
  - Healthcare
  - Transportation
  - Industrial buildings
  - Data Center
- Utilities - Energy distribution
- Large sites:
  - Oil and Gas
  - Mining
  - Mineral and Metals

PowerLogic P5	Reference	Price (S$)
PowerLogic P5U20 Current relay		
P5U20-AABA-BAAAA-AAAA 24-250V 3CT 2Io 4DI-4DO no comm + no extension + CS Level 0	REL50301	*7,055.00*
P5U20-AABA-CAAAA-AAAA 24-250V 3CT 1CSH 4DI-4DO no comm + no extension + CS Level 0	REL50302	*6,647.00*
P5U20-AABB-BAAAA-AAAA 24-250V 3CT 2Io 10DI-8DO no comm + no extension + CS Level 0	REL50303	*8,130.00*
P5U20-AABB-CAAAA-AAAA 24-250V 3CT 1CSH 10DI-8DO no comm + no extension + CS Level 0	REL50304	*7,722.00*
P5U20-AABA-BABAH-AAAA 24-250V 3CT 2Io 4DI-4DO RSTP Eth RJ45 + extension + CS Level 0	REL50331	*9,085.00*
P5U20-AABA-CABAH-AAAA 24-250V 3CT 1CSH 4DI-4DO RSTP Eth RJ45 + extension + CS Level 0	REL50332	*8,677.00*
P5U20-AABB-BABAH-AAAA 24-250V 3CT 2Io 10DI-8DO RSTP Eth RJ45 + extension + CS Level 0	REL50333	*10,160.00*
P5U20-AABB-CABAH-AAAA 24-250V 3CT 1CSH 10DI-8DO RSTP Eth RJ45 + extension + CS Level 0	REL50334	*9,753.00*
PowerLogic P5V20 Voltage relay		
P5V20-AABA-DAAAA-AAAA 24-250V 4VT 4DI-4DO no comm + no extension + CS Level 0	REL50305	*6,248.00*
P5V20-AABB-DAAAA-AAAA 24-250V 4VT 10DI-8DO no comm + no extension + CS Level 0	REL50306	*7,324.00*
P5V20-AABA-DABAH-AAAA 24-250V 4VT 4DI-4DO RSTP Eth RJ45 + extension + CS Level 0	REL50339	*8,279.00*
P5V20-AABB-DABAH-AAAA 24-250V 4VT 10DI-8DO RSTP Eth RJ45 + extension + CS Level 0	REL50340	*9,354.00*
PowerLogic P5F30 Feeder protection relay		
P5F30-AACB-GAAAA-AAAA 48-250V 3CT 2Io 4VT 10DI-8DO no comm + no extension + CS Level 0	REL50401	*12,742.00*
P5F30-AACB-HAAAA-AAAA 48-250V 3CT 1CSH 4VT 10DI-8DO no comm + no extension + CS Level 0	REL50402	*9,499.00*
P5F30-BACB-GAAAA-AAAA 48-250V 3CT 2Io 4VT 16DI-12DO no comm + no extension + CS Level 0	REL50404	*15,079.00*
P5F30-AACB-GABAH-AAAA 48-250V 3CT 2Io 4VT 10DI-8DO RSTP Eth RJ45 + extension + CS Level 0	REL50451	*14,022.00*
P5F30-AACB-HABAH-AAAA 48-250V 3CT 1CSH 4VT 10DI-8DO RSTP Eth RJ45 + extension + CS Level 0	REL50452	*11,013.00*
P5F30-BACB-GABAH-AAAA 48-250V 3CT 2Io 4VT 16DI-12DO RSTP Eth RJ45 + extension + CS Level 0	REL50453	*12,127.00*
P5F30-BACB-HABAH-AAAA 48-250V 3CT 1CSH 4VT 16DI-12DO RSTP Eth RJ45 + extension + CS Level 0	REL50454	*9,848.00*
PowerLogic P5M30 Motor protection relay		
P5M30-AACB-GAAAA-AAAA 48-250V 3CT 2Io 4VT 10DI-8DO no comm + no extension + CS Level 0	REL50407	*10,081.00*
P5M30-AACB-HAAAA-AAAA 48-250V 3CT 1CSH 4VT 10DI-8DO no comm + no extension + CS Level 0	REL50408	*12,215.00*
P5M30-BACB-GAAAA-AAAA 48-250V 3CT 2Io 4VT 16DI-12DO no comm + no extension + CS Level 0	REL50410	*10,972.00*
P5M30-AACB-GABAH-AAAA 48-250V 3CT 2Io 4VT 10DI-8DO RSTP Eth RJ45 + extension + CS Level 0	REL50455	*26,747.00*
P5M30-AACB-HABAH-AAAA 48-250V 3CT 1CSH 4VT 10DI-8DO RSTP Eth RJ45 + extension + CS Level 0	REL50456	*14,094.00*
P5M30-BACB-GABAH-AAAA 48-250V 3CT 2Io 4VT 16DI-12DO RSTP Eth RJ45 + extension + CS Level 0	REL50457	*15,463.00*
P5M30-BACB-HABAH-AAAA 48-250V 3CT 1CSH 4VT 16DI-12DO RSTP Eth RJ45 + extension + CS Level 0	REL50458	*12,194.00*
PowerLogic P5T30 Transformer Differential protection relay		
P5T30-AADB-JAAAA-AAAA 6CT + 2Io + 1VT + 10DI-8DO + no communication + no extension + basic cybersecurity	REL50493	*6,429.00*
P5T30-AACB-JAAAA-AAAA 6CT + 2Io + 1VT + 10DI-8DO + no communication + no extension + basic cybersecurity	REL50494	*6,424.00*
P5T30-BADD-JAAAA-AAAA 6CT + 2Io + 1VT + 15DI-13DO + no communication + no extension + basic cybersecurity	REL50495	*7,277.00*
P5T30-BACD-JAAAA-AAAA 6CT + 2Io + 1VT + 15DI-13DO + no communication + no extension + basic cybersecurity	REL50496	*7,272.00*
P5T30-CBDD-JABAH-AAAA 6CT + 2Io + 1VT + 18DI-16DO + 3 arc + RSTP Eth RJ45 + extension + basic cybersecurity	REL50497	*8,178.00*
P5T30-CBCD-JABAH-AAAA 6CT + 2Io + 1VT + 18DI-16DO + 3 arc + RSTP Eth RJ45 + extension + basic cybersecurity	REL50498	*8,173.00*
Sensors		
Arc-flash accessory VA1DA-20 Arc-flash sensor 20m	REL52801	*261.00*
Arc-flash accessory VA1DA-20S-HF Arc-flash sensor 20m shielded halogen free	REL52802	*535.00*
Arc-flash accessory VA1DA-20S Arc-flash sensor 20m shielded	REL52803	*304.00*
Arc-flash accessory VA1DA-6 Arc-flash sensor 6m connect cable	REL52804	*117.00*
Arc-flash accessory VA1DA-6S-HF Arc-flash sensor 6m shielded halogen free	REL52805	*132.00*
Arc-flash accessory VA1DA-6S Arc-flash sensor 6m shielded	REL52806	*191.00*

**POA means Price on asking if any. Kindly refer to sales representative for price.*

PowerLogic™ A1, A3 and A5

unit price (excl. GST in Singapore Dollars)

PowerLogic™ A1 and A3

PowerLogic™ A1 and A3 are designed to mitigate the arc fault inside electrical cubicles, to reduce arc flash damages and impacts.
The PowerLogic™ Arc range can be deployed in a single MV cubicle where three sensors can secure the arc protection up to medium size application with numbers of MV switchgears or LV switchboards. The connection flexibility and the easy logic built for common protection schematics, makes this range accessible and easy to use for more applications.
Selecting the right device becomes simple and helps to avoid any error.

The PowerLogic™ Arc range for small to medium size applications is composed by:
- PowerLogic™ A1: stand-alone device forcubicle protection.
- PowerLogic™ A3: can be used as stand-alone device or associated to other A3 devices and build a system solution.
  They could be connected through a high-speed bus to perform high performance protection at system construction.

Description	Nb. of Input Sensor	Nb. of Trip Output	Reference	Price (S$)
PowerLogic™ A1				
A125 Arc flash stand-alone unit	4	2	REL52900	*3,348.00*
PowerLogic™ A3				
A3 F6P Arc flash unit	6	3	REL52920	*2,627.00*
A3 F12P Arc flash unit	12	2	REL52921	*3,152.00*
A3 S6P Arc flash extension unit	6	1	REL52930	*1,512.00*
A3 S12P Arc flash extension unit	12	0	REL52931	*1,708.00*

Note:
- A125 relay configuration uses DIP switches.
- A3 relay configuration can be done in two ways: using the rotary switch, or through the Easergy Pro software connected to a PC/laptop using the A3 Configuration Arc EM Cable to RJ45.
- Communication between the A3 main unit and the A3 extension unit uses the A3 Arc EM cable. The extension unit does not require an external power supply.

For more information, kindly refer to https://se.com/sg/en.
To purchase PowerLogic™ A1 and A3, kindly contact your sales representative.

PowerLogic™ A5

PowerLogic™ A5 Arc Flash Protection range is built on proven technology, designed to offer tailored solutions for effective arc flash mitigation in electrical installations:
- Flexible and modular architecture to adapt seamlessly to various electrical system configurations.
- User-friendly configuration tools for easy deployment in multi-zone protection schemes.
- High-performance capabilities to safeguard large-scale and critical infrastructure.
- Advanced multi-condition logic enabling selective and precise protection responses.

PowerLogic™ A5 Arc Flash Protection solution is engineered for ease of use and operational efficiency.
Key features include:
- Comprehensive and configurable protection and control functions tailored to arc flash mitigation applications
- In collaboration with extension modules, advanced protection schemes can be developed.
- User-friendly engineering environment for parameter setting, device configuration, and network fault diagnostics.
- Event recording and wave form capture allows to analyze fault events.
- Enables ultra-fast tripping with response times as low as 2ms.

PowerLogic™ A5 is sized for large and critical sites in:

- Power and Grid:
  - Power generation plants
  - Distribution Utilities
  - Wind/Solar Farm
- Energy and Chemicals:
  - Oil and Gas
  - Mining
  - Mineral and Metals
- Critical Infrastructure
  - Data Center
  - Transportation

PowerLogic™ A5 range, which includes the V321 central unit, extension modules, and related sensors is the ideal solution for large electrical installations.

For more information, kindly refer to https://se.com/sg/en.
To purchase PowerLogic™ A5, kindly contact your sales representative.

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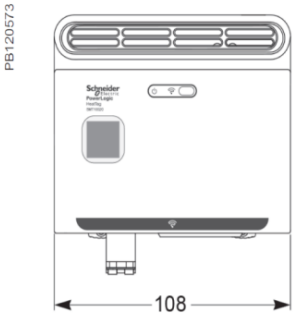
PowerLogic HeatTag

unit price (excl. GST in Singapore Dollars)



HeatTag is a smart sensor for early detection of overheating wire connections or overheating cables. HeatTag helps prevent electrical switchboards from being damaged, by analyzing gas and particles in the air and sending alerts before any smoke or insulator browning.

Presentation

HeatTag smart sensor:

- Sends three levels of alert depending on the severity of the situation it detects.
- Helps prevent potential fire damages by analyzing gas and micro-particles emitted by cable sheaths when overheating.
- Measures temperature and humidity.
- Communicates with all Schneider Electric EcoStruxure panel servers or gateways.
- Is integrated in EcoStruxure solutions.

The HeatTag sensor must be installed only in non-forced air ventilated switchboards.
It must be mounted on a DIN rail.
During the first 30 minutes after commissioning, HeatTag can generate an alert for test. It then takes another 8 hours for HeatTag to define its nominal environment and to be fully operational. Each time the HeatTag sensor is powered on, these 30-minute and 8-hour sequences are repeated.

Operation

Paired with Schneider Electric panel servers or gateways, HeatTag reports:

- Alerts
- Air quality index
- Temperature and humidity measurement
- Self-diagnosis information

Air Quality

HeatTag provides an air quality index, ranging from 0 to 10, and displays the air quality evolution trend in a table. When the air quality index is equal or above 10, HeatTag sends an alert. It has detected abnormal cable sheath heating in the switchboard.

Standards

The HeatTag smart sensor complies with the following standards:

- IEC/UL 61010-1
- IEC 61010-2-201
- IEC 61326-1
- IEC61326-2-3
- ETSI EN 301 489-1
- ETSI EN 301 489-17
- ETSI EN 300 328
- EN 62311
- EN IEC 63000
- IEEE 802.15.4 protocol
- FCC and IC certified

Detection Alert

An alert is triggered when HeatTag detects abnormal cable sheath heating in the switchboard, which can be caused by:

- One or more loose connections (too high contact resistance)
- An incorrectly sized cable compared to the rated current
- Overload not detected by the protective equipment

Alerts are triggered with three severity levels:

- Low level: a cable is slowly overheating in the installation, you must plan a maintenance visit of the installation.
- Medium level: a cable is overheating in the installation, you must go quickly to the installation for maintenance.
- High level: a cable overheats very quickly, you must check the installation immediately.

The orange application led flashes when HeatTag sends an alert to the panel servers or gateways.

Temperature

HeatTag provides a temperature value with a 60 second default transmission period. The transmission period can be increased by the system in case of high wireless data traffic.

Humidity

HeatTag provides a humidity rate with a 60 second default transmission period. The transmission period can be increased by the system in case of high wireless data traffic.

Note:

Do not use HeatTag as a safety device. HeatTag does not replace the fire protection devices of the building.

Self-Diagnosis

HeatTag carries out two types of diagnosis:

- A minor alert is sent when the fan rpm is 80% of its nominal rpm, which means fan clogging.
- A major alert is sent when HeatTag is faulty. In this case it cannot report measures at all, nor reports incorrect measures.

	Reference	Price (S$)
HeatTag Smart Sensor Overheating Cable	SMT10020	*2,066.50*

Power Factor Controllers and Harmonic Filtering

Low Voltage Capacitors

EasyLogic™ PFC and PowerLogic™ PFC I-1

EasyLogic™ PFC, PowerLogic™ PFC, Detuned Reactor, Contactor I-2

Intelligent Power Factor controllers

VarPlus Logic series I-3

Active Harmonic Filtering & Electronic VAR control

EasyLogic APF, AccuSine PCSn, AccuSine PCS+ I-4

PowerLogic™ Accusine EVC+ I-5

EasyLogic™ PFC and PowerLogic™ PFC

unit price (excl. GST in Singapore Dollars)

IEC/EN 60831-1/-2

Characteristics

Voltage range	EasyLogic PFC	230 to 525 V
	PowerLogic PFC	230 to 830 V
Frequency		50 Hz

EasyLogic PFC

Rated Voltage (Rated Output) 50 Hz				
400 V (kVAr)	**440 V (kVAr)**	**Reference**	**No. of unit**	**Unit Price (S$)**
2.5	3.0	BLRCS030A036B44	1	*181.00*
4.1	5.0	BLRCS050A060B44	1	*116.00*
6.2	7.5	BLRCS075A090B44	1	*126.00*
8.3	10.0	BLRCS100A120B44	1	*129.00*
10.3	12.5	BLRCS125A150B44	1	*164.00*
12.4	15.0	BLRCS150A180B44	1	*174.00*
15.0	18.2	BLRCS182A218B44	1	*260.00*
16.5	20.0	BLRCS200A240B44	1	*214.00*
20.7	25.0	BLRCS250A300B44	1	*219.00*
25.0	30.3	BLRCS303A364B44	1	*360.00*

PowerLogic PFC

Rated Voltage (Rated Output) 50 Hz				
400 V (kVAr)	**440 V (kVAr)**	**Reference**	**No. of unit**	**Unit Price (S$)**
12.4	15.0	BLRCH150A180B44	1	*201.00*
15.0	18.2	BLRCH182A218B44	1	*263.00*
16.5	20.0	BLRCH200A240B44	1	*273.00*
20.7	25.0	BLRCH250A300B44	1	*323.00*
23.6	28.5	BLRCH285A342B44	1	*335.00*
25.0	30.3	BLRCH303A000B44	1	*337.00*
41.3	50.0	BLRCH500A000B44	1	*568.00*

EasyLogic™ PFC/PowerLogic™ PFC + Detuned Reactor + Contactor
Capacitor, Detuned Reactor and Contactor

unit price (excl. GST in Singapore Dollars)

Characteristics

Capacitor Rated Voltage Un(V)	Network Service Voltage U_s(V)
	50 Hz
	400

The tuning frequency can be expressed by the relative impedance of the reactor (in %), or by the tuning order, or directly in Hz.

Relative impedance (%)	Tuning order @ 50 Hz (Hz)	Tuning frequency
7	3.8	190
14	2.7	135

The most common values of relative impedance are 5.7, 7 and 14%. (14% is used with high level of 3rd harmonic voltages).

EasyLogic PFC (7%)

Rated Voltage (Rated Output) 50 Hz

400 V (kVAr)	480 V (kVAr)	Capacitor Reference	No. of units	Unit Price (S$)	Detuned Reactor Reference	Price (S$)
12.5	17.0	BLRCS170A204B48	1	*186.00*	LVR07125A40T	*198.00*

PowerLogic PFC (7%) (Non-linear load ≤ 50%)

Rated Voltage (Rated Output) 50 Hz

400 V (kVAr)	480 V (kVAr)	Capacitor Reference	No. of units	Unit Price (S$)	Detuned Reactor Reference	Price (S$)
12.5	17.0	BLRCH170A204B48	1	*216.00*	LVR07125A40T	*229.00*
25	33.9	BLRCH339A407B48	1	*376.00*	LVR07250A40T	*399.00*
50	67.9	BLRCH339A407B48	2	*376.00*	LVR07500A40T	*399.00*
100	136.0	BLRCH339A407B48	4	*376.00*		*399.00*

EasyLogic PFC (14%)

Rated Voltage (Rated Output) 50 Hz

400 V (kVAr)	480 V (kVAr)	Capacitor Reference	No. of units	Unit Price (S$)	Detuned Reactor Reference	Price (S$)
12.5	15.5	BLRCS155A186B48	1	*176.00*	LVR14125A40T	*187.00*
25	31.5	BLRCS315A378B48	1	*381.00*	LVR14250A40T	*404.00*
50	63.0	BLRCS315A378B48	2	*381.00*	LVR14500A40T	*404.00*
100	126.0	BLRCS315A378B48	4	*381.00*	LVR14X00A40T	*404.00*

PowerLogic PFC (14%)

Rated Voltage (Rated Output) 50 Hz

400 V (kVAr)	480 V (kVAr)	Capacitor Reference	No. of units	Unit Price (S$)	Detuned Reactor Reference	Price (S$)
12.5	15.5	BLRCH155A186B48	1	*205.00*	LVR14125A40T	*218.00*
25	31.5	BLRCH315A378B48	1	*351.00*	LVR14250A40T	*373.00*
50	63.0	BLRCH315A378B48	2	*351.00*	LVR14500A40T	*373.00*
100	126.0	BLRCH315A378B48	4	*351.00*	LVR14X00A40T	*373.00*

VarPlus Logic series
VL6, VL12

unit price (excl. GST in Singapore Dollars)

VarPlus Logic has all what you need for the simple and efficient operation of your automatic power factor correction equipment to maintain your power factor. It is a simple and intelligent relay which measure, monitor and controls the reactive energy. Easy commissioning, step size detection and monitoring makes it different from others in the market.

Capacitor bank step monitoring
- Monitoring of all the connected capacitor steps.
- Real time power in “kvar” for the connected steps .
- Remaining step capacity per step as a % of the original power since installation.
- Remaining step power in kvar since installation.
- Number of switching operations of every connected step

System Measurement and monitoring
- THD(u) and THD(u) Spectrum 3rd to 19th – Measurement, Display and Alarm.
- Measurement of DQ – “kvar” required to achieve target cos phi.
- Present cabinet temperature and maximum recorded temperature.
- System parameters – Voltage, Current, Active, reactive and apparent power.
- Large LCD display to monitor real step status and other parameters.

Easy Commissioning
- Automatic Initialization and automatic step detection to do a auto commissioning.
- Automatic wiring correction - voltage and current input wiring correction.
- 1A or 5A CT secondary compatible.

Flexibility to the panel builder and retrofitting
- No step sequence restriction like in the traditional relays.
- Any step sequences with auto detect. No programming needed.
- Easy to retrofit the faulty capacitor with different power.
- Quick and simple mounting and wiring.
- Connect to the digitized Schneider solutions through RS485 communication in Modbus protocol.
- Seamless connection to the Schneider software and gateways.

Do more with VarPlus Logic
- Programmable alarms with last 5 alarms log.
- Suitable for medium voltage applications.
- Suitable for 4 quadrant operations.
- Dual cos phi control through digital inputs or export power detection.
- Dedicated alarm and fan control relays.
- Advance expert programming Menu to configure the controller the way you need.
- New control algorithm designed to reduce the number of switching operations and quickly attain the targeted power fact

Alarms
- Faulty Step
- Configurable alarm for step derating
- THDu Limit alarm.
- Temperature alarm
- Self correction by switching off the steps at the event of THDu alarm, temperature alarm and overload limit alarm.
- Under compensation alarm
- Under/Over Voltage Alarm
- Low/High Current Alarm
- Overload limit alarm
- Hunting alarm
- Maximum operational limits - Time and number of switching

VarPlus Logic

Type	Number of step output contacts	Part number	Price (S$)
VL6	6	VPL06N	*1,230.00*
VL12	12	VPL12N	*1,312.00*

EasyLogic APF, AccuSine PCSn, AccuSine PCS+

unit price (excl. GST in Singapore Dollars)

EasyLogic APF

EasyLogic APF, AccuSine PCSn and AccuSine PCS+ are flexible solutions to stabilize electrical networks by providing harmonic mitigation, power factor correction, and load balancing.

EasyLogic APF provides flexibilty and reliability while being cost efficient, for small to medium commercial or industrial environments.

AccuSine PCS+ is specifically designed for harsh electrical conditions, for heavy industrial applications including mission critical environments.

AccuSine PCSn has the ability to compensate for neutral harmonic currents, typically present in building and commercial environments where single-phase non-linear loads are present.

EasyLogic™ APF 400 V 50/60 Hz

Rated current (A)	KVAR Rating @ 400V	Enclosure Rating	Mounting	Catalog Number	Price (S$)
100	72	IP20	Rack mount	EZAPF10044R20	*20,431.00*
100	72	IP20	Wall mount	EZAPF10044W20	*20,431.00*
150	108	IP20	Rack mount	EZAPF15044R20	*30,646.00*
150	108	IP20	Wall mount	EZAPF15044W20	*30,646.00*

AccuSine PCS+

Where used by function

	Phase harmonics	Neutral harmonics	Power factor correction	Mains current balancing	Volt – VAR support	Flicker	Environmental conditions
AccuSine PCS+	■		■	■			Harsh and heavy industrial
AccuSine PCSn	■	■	■	■			Commercial and light industrial
AccuSine PFV+			■	■	■	■	Harsh and heavy industrial

Where used by application

	Buildings			Industry						
	Retail	Commercial & building	Healthcare	Water wastewater	Food & beverage	Automotive	Metal, Minerals & Mining	Petro-chemical	Glass	Semiconductor
AccuSine PCSn	Office loads, LED/CFL lights, escalators, lifts	Office loads, LED/CFL lights, escalators, lifts	Office loads, LED/CFL lights, medical equipment, escalators, lifts		Process & production lines					
AccuSine PCS+	HVAC loads	HVAC loads	HVAC loads, pumps & fans	Pumps & fans with/ without backup generators	Process & production lines HVAC loads	Process & production lines	Process & heating	Process pumps	Process & heating	Process, heating & production lines pumps & fans
AccuSine PFV+						PFC in harmonic rich & flicker control for dynamic environment.	PFC in harmonic rich & flicker control for dynamic environment.	PFC in harmonic rich & dynamic environment.	PFC in harmonic rich & dynamic environment.	

AccuSine PCSn wall mount (main)

AccuSine PCSn 208-415 V, 50/60Hz

Rated current (A)	Neutral rated current (A)	KVAR Rating @ 415V	Enclosure Rating	Mounting	Catalog Number	Price (S$)
20	60	14	IP20	Wall mount	PCSN020Y4W20	*19,582.00*
30	90	22	IP20	Wall mount	PCSN030Y4W20	*22,105.00*
50	150	36	IP20	Wall mount	PCSN050Y4W20	*25,865.00*
60	180	43	IP20	Wall mount	PCSN060Y4W20	*29,885.00*
60	180	43	IP20	Wall mount	PCSN060Y4W20E*	*25,055.00*
30	90	22	IP20	19" rack mount	PCSN030Y4R19	*24,037.00*
60	180	43	IP20	19" rack mount	PCSN060Y4R19	*32,495.00*
60	180	43	IP20	19" rack mount	PCSN060Y4R19E*	*27,242.00*

**E stands for expansion unit, where the expansion unit does not have HMI display.*
*AccuSine PCSn rack modules (19" rack mount) are designed to fit the **NetShelter SX** rack enclosures. For more information, please refer to: http://www.schneider-electric.com/en/product-category/7500-it-racks-and-accessories*

AccuSine PCSn rack module (main)

AccuSine PCS+ 380-480 V, 50/60Hz

Rated current (A)	KVAR Rating @ 380-480V	Enclosure Rating	Type	Catalog Number	Price (S$)
60	39.5- 49.9	IP31	Floor standing	PCSP060D5IP31	*66,058.00*
		IP54	Floor standing	PCSP060D5IP54	*78,975.00*
120	79.0-99.8	IP31	Floor standing	PCSP120D5IP31	*81,613.00*
		IP54	Floor standing	PCSP120D5IP54	*97,591.00*
200	131.6-166.3	IP31	Floor standing	PCSP200D5IP31	*104,637.00*
		IP54	Floor standing	PCSP200D5IP54	*124,895.00*
300	197.5-249.4	IP31	Floor standing	PCSP300D5IP31	*129,870.00*
		IP54	Floor standing	PCSP300D5IP54	*155,208.00*

PowerLogic™ Accusine EVC+

unit price (excl. GST in Singapore Dollars)

Tomorrow's power quality problems cannot be solved with yesterday's solutions. Traditional, capacitor-based, power factor correction are not designed to support our customers' ambition towards Electricity 4.0 and Net Zero with fast-changing loads, hypersensitive electronics, and distributed energy resources (DERs). This risks regulatory noncompliance, higher maintenance costs, and unplanned downtime with substantial, unexpected operational costs.

Modern electrical systems require the stepless power factor correction of the PowerLogic AccuSine EVC Plus. With accuracy within 1 kvar and instantaneous reactive power control, PowerLogic AccuSine EVC Plus responds to reactive power demand within 1/4 cycle. The end result for the customer is a stable, reliable, and precise power factor with no voltage imbalance, even in the most harsh dynamic load conditions

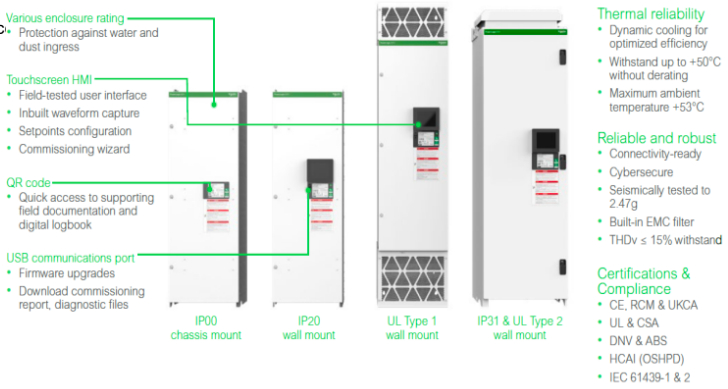
Not your typical power factor correction system

In addition to providing superior performance for power factor correction for leading and lagging VAR control, PowerLogic AccuSine EVC Plus can mitigate harmonics currents commonly seen in commercial and industrial applications (5th, 7th, 11th, and 13th).

Fast to deploy, easy to expand

Proprietary PowerLogic AccuSine EVC Plus paralleling algorithm for intelligent functionality, so you can configure the entire system from any one unit.

Designed for your needs



PowerLogic AccuSine EVC+

Power Rating 208V	Power rating 380-480V	IP rating	Incoming Protection	Cable entry	Mounting Type	Part no	Product Designation	Price (S$)
41 kvar	75 kvar	UL Type 1	Fuses	Bottom	Wall mount	EVCP075D5W01	PowerLogic AccuSine EVC+ 75kVAR 208-480V UL1 wall mount	*25,302.00*
		UL Type 2			Wall mount	EVCP075D5W02	PowerLogic AccuSine EVC+ 75kVAR 208-480V UL2 WM	*27,249.00*
		IP20			Wall mount	EVCP075D5W20	PowerLogic AccuSine EVC+ 75kVAR 208-480V IP20	*23,356.00*
		IP31			Wall mount	EVCP075D5W31	PowerLogic AccuSine EVC+ 75kVAR 208-480V IP31 WM	*23,356.00*
55 kvar	100 kvar	IP00 / UL OPEN			Chassis	EVCP100D5CH0(	PowerLogic AccuSine EVC+ 100kVAR 208-480V IP00	*23,356.00*
		UL Type 1			Wall mount	EVCP100D5W01	PowerLogic AccuSine EVC+ 100kVAR 208-480V UL1 WM	*23,356.00*
		UL Type 2			Wall mount	EVCP100D5W02	PowerLogic AccuSine EVC+ 100kVAR 208-480V UL2 WM	*29,195.00*
		IP20			Wall mount	EVCP100D5W20	PowerLogic AccuSine EVC+ 100kVAR 208-480V IP20 WM	*29,195.00*
		IP31			Wall mount	EVCP100D5W31	PowerLogic AccuSine EVC+ 100kVAR 208-480V IP31 WM	*29,195.00*

Soft starters; variable speed controllers and servo drive & motor combinations

Soft start-soft stop units

Altistart 01
- ATS01 for asynchronous motors 1-1

Altistart 22
- ATS22 for three phase power supply 1-2
- ATS22 accessories 1-4

Altistart 130/430/480/490
- ATS130 for standard application 1-5
- ATS430 for standard application 1-6
- ATS480 for standard application 1-7
- ATS480 accessories 1-8
- ATS490 for standard application 1-9

Variable speed drives

Altivar 12
- ATV12 with heatsink / on base plate 1-10
- Accessories, configuration tools and braking unit 1-11
- Braking resistors and EMC input filters 1-12

Altivar 212
- ATV212 for asynchronous motors 1-13
- ATV212 accessories 1-15

Altivar 320
- ATV320 for frequency range from 0.5 to 500Hz 1-16
- ATV320 accessories 1-18
- Communication buses and networks 1-19
- Braking resistors 1-20
- Line chokes 1-22
- Motor chokes 1-23
- Additional EMC input filters 1-24

Altivar 340
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unit price (excl. GST in Singapore Dollars)

Soft starter for 0.37 to 5.5 kW motor

ATS01N112FT

Motor power (1) 3 phase 210V HP	230V kW/HP	400V kW	460V HP	1 phase 230V kW	Starter Nominal current A	Reference (2)	Price (S$)
Single phase 110…230V or 3-phase 200…480V supply voltage, 50/60Hz							
-	0.37/0.5 0.55/-	1.1	0.5 1.5	0.37	3	ATS01N103FT	*200.64*
0.5	0.75/1 1.1/1.5	2.2 3	2 3	0.75	6	ATS01N106FT	*233.09*
1	1.5/2	4	5	1.1	9	ATS01N109FT	*287.27*
1.5	2.2/3	5.5	7.5	1.5	12	ATS01N112FT	*367.20*
2 3	3/5 4/7.5 5.5/-	7.5 9 11	10 15	2.2	25	ATS01N125FT	*702.98*

ATS01N212QN

Motor power (1) 3 phase 230V HP	230V kW/HP	400V kW	460V HP	Starter Nominal current A	Reference (2)	Price (S$)
3-phase 380…415V supply voltage, 50/60Hz (2)						
0.75/1.1	1/1.5	1.5/2.2	2/3	6	ATS01N206QN	*324.66*
1.5	2	3/4	5/-	9	ATS01N209QN	*388.93*
2.2/3	3/-	5.5/-	7.5/-	12	ATS01N212QN	*404.58*

Accessories

Description	Used for starter	Reference	Price (S$)
Auxiliary contact, provides information that the motor is at full voltage	ATS01N2xxLY, ATS01N2xxQ	LAD8N11	*POR*

(1) Standard power ratings of motors, HP power ratings indicated according to standard UL508

(2) For others voltage, replace suffix QN by: '"LU" for 200 to 240V / "RT" for 440 to 480V.

Altistart 22
Three-phase power supply voltage 230…440 V

unit price (excl. GST in Singapore Dollars)

Connection to the motor's power supply line

Motor power given in kW in accordance with standard IEC/EN 60947-4-2. 220 V control power supply

ATS22D17Q

ATS22C11Q

Motor Power indicated on rating plate 230V	400V	440V	230…440 V - 50/60 Hz soft start - soft stop unit Nominal current (In) (1)	Factory setting for current (IcL) (1)(2)	Dissipated power at normal current (In) (3)	Reference	Price (S$)
kW	kW	kW	A	A	W		
4	7.5	7.5	14.8	17	39	ATS22D17Q	*1,460.30*
7.5	15	15	28.5	32	44	ATS22D32Q	*1,538.72*
11	22	22	42	47	48	ATS22D47Q	*1,866.76*
15	30	30	57	62	59	ATS22D62Q	*2,246.78*
18.5	37	37	69	75	63	ATS22D75Q	*2,412.89*
22	45	45	81	88	66	ATS22D88Q	*2,957.89*
30	55	55	100	110	73	ATS22C11Q	*3,392.49*
37	75	75	131	140	82	ATS22C14Q	*3,507.75*
45	90	90	162	170	91	ATS22C17Q	*4,292.42*
55	110	110	195	210	117	ATS22C21Q	*5,034.83*
75	132	132	233	250	129	ATS22C25Q	*5,765.60*
90	160	160	285	320	150	ATS22C32Q	*7,174.26*
110	220	220	388	410	177	ATS22C41Q	*7,466.14*
132	250	250	437	480	218	ATS22C48Q	*9,048.25*
160	315	355	560	590	251	ATS22C59Q	*10,940.66*

(1) In refers to the maximum continuous current for class 10. IcL refers to the starter rating.

(2) The factory setting for the current equates to the nominal current of a standard 4-pole, 400 V, class 10 motor (standard application). It should be adjusted in line with the current indicated on the motor rating plate.

(3) Includes the power dissipated by the fan

Altistart 22

Three-phase power supply voltage 208…600 V

unit price (excl. GST in Singapore Dollars)

Connection to the motor's power supply line

Motor power given in kW in accordance with standard IEC/EN 60947-4-2. 220 V control power supply

ATS22D88S6

ATS22C48S6

Motor Power indicated on rating plate				230…600 V - 50/60 Hz soft start - soft stop unit			Reference	Price (S$)
230V	400V	440V	500V	Nominal current (In) (1)	Factory setting for current (IcL) (1)(2)	Dissipated power at normal current (In) (3)		
kW	kW	kW	kW	A	A	W		
4	7.5	7.5	9	14	17	39	ATS22D17S6	*1,600.08*
7.5	15	15	18.5	27	32	44	ATS22D32S6	*1,827.44*
11	22	22	30	40	47	48	ATS22D47S6	*2,087.45*
15	30	30	37	52	62	59	ATS22D62S6	*2,308.70*
18.5	37	37	45	65	75	63	ATS22D75S6	*2,583.29*
22	45	45	55	77	88	66	ATS22D88S6	*2,875.17*
30	55	55	75	96	110	73	ATS22C11S6	*3,287.06*
37	75	75	90	124	140	82	ATS22C14S6	*3,783.69*
45	90	90	110	156	170	91	ATS22C17S6	*4,662.72*
55	110	110	132	180	210	117	ATS22C21S6	*5,639.27*
75	132	132	160	240	250	129	ATS22C25S6	*6,339.98*
90	160	160	220	302	320	150	ATS22C32S6	*7,279.12*
110	220	220	250	361	410	177	ATS22C41S6	*8,592.86*
132	250	250	315	414	480	218	ATS22C48S6	*10,029.77*
160	315	355	400	477	590	251	ATS22C59S6	*12,285.02*

(1) In refers to the maximum continuous current for class 10. IcL refers to the starter rating.

(2) The factory setting for the current should be adjusted in line with the current indicated on the motor rating plate.

(3) Includes the power dissipated by the fan

1

unit price (excl. GST in Singapore Dollars)

SoMove setup software

This software enables the user to configure, set, debug and organize maintenance tasks for the Altistart 22 soft start - soft stop unit. It can also be used to customize the integrated display terminal menus.
It can be downloaded from our website, “www.schneider-electric.com”.

Description	Length	Reference	Price (S$)
	m		
SoMove lite setup software			
USB/RJ45 cordset equipped with a USB connector and an RJ45 connector.	2.5	TCSMCNAM3M002P	*129.16*

Remote display terminal

This terminal enables the human machine interface of the Altistart 22 soft start - soft stop unit to be positioned remotely on the door of a floor-standing enclosure. It has IP 54 or IP 65 degree of protection depending on the model.
It is used to:
- Set and confi gure the soft start - soft stop unit remotely
- Display the status and faults of the soft start - soft stop unit remotely

Its maximum operating temperature is 50°C. Please refer to our website at "www.schneider-electric.com" if the temperature exceeds this.

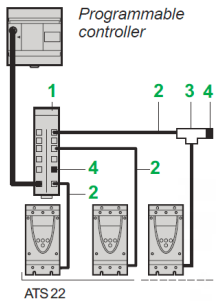
VW3G22101

1. 4-digit display
2. Selection/validation key ENT: opens a menu or validates the value chosen
3. Navigation keys ,
4. Selection key ESC: used to exit a menu

Description	Degree of protection	Length	Dimensions WxDxH	Reference	Price (S$)
		m	m		
Remote display terminals	IP54/NEMA12	–	50x15x70	VW3G22101	*223.00*
A remote-mounting cordset is also required - VW3 A1104R••	IP65	–	66x19x106	VW3G22102	*259.35*
Remote-mounting cordsets	–	1	–	VW3A1104R10	*40.27*
equipped with 2 RJ45 connectors	–	3	–	VW3A1104R30	*54.80*

Modbus serial link

Connection via splitter box and RJ45 connectors



Example of Modbus serial link architecture with connection via splitter box with RJ45 connectors

Description		Number	Length	Reference	Price (S$)
			m		
Modbus splitter box with 10 RJ45 connectors		1	–	LU9GC3	*POR*
Cordsets for Modbus serial link		2	0.3	VW3A8306R03	*16.79*
with 2 RJ45 connectors			1	VW3A8306R10	*15.14*
			3	VW3A8306R30	*25.24*
Modbus T-junction boxes		3	0.3	VW3A8306TF03	*64.27*
(with integrated cable)			1	VW3A8306TF10	*72.72*
Line terminators	R = 120 Ω	4	–	VW3A8306RC	*12.36*
(1) (2)	C = 1 nf				

(1) Sold in lots of 2

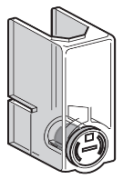
(2) Depends on the bus architecture

Altistart 130
ATS130 for standard application
Line voltage 230 to 440V, Motor power in kW

unit price (excl. GST in Singapore Dollars)

Protection shrouds for power terminals (to be used with eyelet connections)

The ATS 22C11Q…C59Q, ATS 22C11S6…C59S6 and ATS 22C11S6U…C59S6U soft start - soft stop units have 6 unprotected power terminals. These terminals can be fitted with protection shrouds.



LA9F70•

Description	For soft start - soft stop units	Reference	Price (S$)
Set of 6 power terminal protection shrouds	ATS 22C11Q…C17Q, ATS 22C11S6…C17S6, ATS 22C11S6U…C17S6U	LA9F702	*POR*
	ATS 22C21Q…C59Q, ATS 22C21S6…C59S6, ATS 22C21S6U…C59S6U	LA9F703	*POR*

For standard applications

ATS130N2D65LT

ATS130 in-line Motor nameplate Rated operational voltage (Ue) Rated motor power						
230 V	400 V	440 V	Operational rated current (Ie)	Power dissipated at Ie	Reference	Price (S$)
kW	kW	kW	A	W		
Normal duty applications						
11	18.5	22	38	7	ATS130N2D38LT	*884.67*
11	22	22	45	9	ATS130N2D45LT	*1,022.84*
18.5	30	37	65	16	ATS130N2D65LT	*1,315.08*
22	37	45	73	20	ATS130N2D73LT	*1,440.56*
22	45	45	80	16	ATS130N2D80LT	*1,545.38*
30	55	55	105	27	ATS130N2C11LT	*1,942.45*

Altistart 430
ATS430 for standard application
Control Supply 110 to 230V

unit price (excl. GST in Singapore Dollars)

For standard applications

ATS430C17S6

ATS430 in-line

Motor nameplate

Rated operational voltage (Ue)
Rated motor power

Description	Reference	Price (S$)
17A	ATS430D17S6	*1,339.72*
32A	ATS430D32S6	*1,411.67*
47A	ATS430D47S6	*1,712.62*
62A	ATS430D62S6	*2,061.26*
75A	ATS430D75S6	*2,213.66*
88A	ATS430D88S6	*2,713.65*
110A	ATS430C11S6	*3,112.36*
140A	ATS430C14S6	*3,218.11*
170A	ATS430C17S6	*3,937.99*
210A	ATS430C21S6	*4,619.10*
250A	ATS430C25S6	*5,289.52*
320A	ATS430C32S6	*6,581.88*
410A	ATS430C41S6	*6,849.65*
480A	ATS430C48S6	*POR*
590A	ATS430C59S6	*POR*

Altistart 480
ATS480 for standard application
Line voltage 208 to 690V, Motor power in kW

unit price (excl. GST in Singapore Dollars)

For standard applications

ATS480C14Y

ATS480M12Y

ATS480 in-line, not bypassed
Motor nameplate
Rated operational voltage (Ue)

Rated motor power

230 V	400 V	440 V	500 V	525 V	660 V	690 V	Operational rated current (Ie)	Power dissipated at Ie	Reference	Price (S$)
kW	kW	kW	kW	kW	kW	kW	A	W		
4	7.5	7.5	9	9	11	15	17	38	ATS480D17Y	*1,393.08*
5.5	11	11	11	11	15	18.5	22	54	ATS480D22Y	*1,605.77*
7.5	15	15	18.5	18.5	22	22	32	84	ATS480D32Y	*1,821.86*
9	18.5	18.5	22	22	30	30	38	96	ATS480D38Y	*2,194.31*
11	22	22	30	30	37	37	47	122	ATS480D47Y	*2,396.60*
15	30	30	37	37	45	45	62	181	ATS480D62Y	*2,451.71*
18.5	37	37	45	45	55	55	75	225	ATS480D75Y	*2,815.92*
22	45	45	55	55	75	75	88	270	ATS480D88Y	*3,044.06*
30	55	55	75	75	90	90	110	302	ATS480C11Y	*3,665.67*
37	75	75	90	90	110	110	140	366	ATS480C14Y	*4,321.37*
45	90	90	110	110	132	160	170	459	ATS480C17Y	*4,306.53*
55	110	110	132	132	160	200	210	560	ATS480C21Y	*5,307.18*
75	132	132	160	160	220	250	250	675	ATS480C25Y	*6,170.73*
90	160	160	220	220	250	315	320	882	ATS480C32Y	*7,519.10*
110	220	220	250	250	355	400	410	1319	ATS480C41Y	*9,750.91*
132	250	250	315	315	400	500	480	1366	ATS480C48Y	*12,470.31*
160	315	355	400	400	560	560	590	1711	ATS480C59Y	*16,338.68*
–	355	400	–	–	630	630	660	1938	ATS480C66Y	*20,410.89*
220	400	500	500	500	710	710	790	2517	ATS480C79Y	*24,367.43*
250	500	630	630	630	900	900	1000	2845	ATS480M10Y	*25,238.09*
355	630	710	800	800	–	–	1200	3472	ATS480M12Y	*28,605.06*

(1) Value indicated on the motor rating plate.

(2) Corresponds to the maximum permanent current in class 10. IcL corresponds to the starter rating.

(3) The factory setting current corresponds to the value of the nominal current of a standard motor according to NEC, 460V class 10 (standard application). Adjust the setting in accordance with the motor nominal current.

unit price (excl. GST in Singapore Dollars)

Communication

VW3A1113

Description	Reference	Price (S$)
Plain text display	VW3A1113	*122.47*

Protective covers for power terminals

LA9F70●

To be used with tags closed

For starters	Number of covers per set	Reference	Price (S$)
ATS480C14● and 480C17●	6 (1)	LA9F702	*POR*
ATS480C21●, ATS480C25● and ATS480C32●	6 (1)	LA9F703	*POR*

SoMove Setup software workshop

Description	Reference	Price (S$)
SoMove Lite setup software Includes: ■ SoMove setup software for PC in English, French, German, Italian, Spanish and Chinese ■ DTMs (Device Type Managers) and technical documentation for variable speed drives, starters and servo motors	(1)	-
USB/RJ45 cable Used to connect a PC to the device. This cable is 2.5 m long and has a USB connector (PC end) and an RJ45 connector (device end).	TCSMCNAM3M002P	*129.16*

(1) Available on website www.schneider-electric.com.

Altistart 490
ATS490 for standard application
Control Supply 110 to 230V

unit price (excl. GST in Singapore Dollars)

For standard applications

ATS490 in-line

Motor nameplate

Rated operational voltage (Ue)
Rated motor power

Description	Reference	Price (S$)
17A	ATS490D17Y	*1,476.66*
22A	ATS490D22Y	*1,702.12*
32A	ATS490D32Y	*1,931.18*
38A	ATS490D38Y	*2,325.97*
47A	ATS490D47Y	*2,540.40*
62A	ATS490D62Y	*2,598.81*
75A	ATS490D75Y	*2,984.87*
88A	ATS490D88Y	*3,226.70*
110A	ATS490C11Y	*3,885.60*
140A	ATS490C14Y	*4,580.65*
170A	ATS490C17Y	*4,564.93*
210A	ATS490C21Y	*5,625.61*
250A	ATS490C25Y	*6,540.97*
320A	ATS490C32Y	*7,970.25*
410A	ATS490C41Y	*10,335.96*
480A	ATS490C48Y	*13,218.54*
590A	ATS490C59Y	*16,338.68*
660A	ATS490C66Y	*20,410.89*
790A	ATS490C79Y	*24,367.43*
1000A	ATS490M10Y	*25,238.09*
1200A	ATS490M12Y	*28,605.06*

Altivar 12
Drives with heatsink / on base plate

unit price (excl. GST in Singapore Dollars)

1

Drives with heatsink

ATV12H075M2

ATV12HU75M3

Motor Power indicated on plate (1) kW	Line Max. line current (2) A	Altivar 12 Continuous output current (1) A	Max. Transient current A	Power dissipated at max. output current (In) (1) W		Reference	Price (S$)
Single-phase supply voltage 100…120V 50/60Hz (3)							
0.18	6	1.4	2.1	18	*(4)*	ATV12H018F1	424.15
0.37	11.4	2.4	3.6	29		ATV12H037F1	469.37
0.75	18.9	4	6	48		ATV12H075F1	570.00
Single-phase supply voltage 200…240V 50/60Hz (3) (5)							
0.18	3.4	1.4	2.1	18	*(4)*	ATV12H018M2	409.12
0.37	5.9	2.4	3.6	27		ATV12H037M2	426.94
0.55	8	3.5	5.3	34		ATV12H055M2	496.25
0.75	10.2	4.2	6.3	44		ATV12H075M2	480.60
1.5	17.8	7.5	11.2	72		ATV12HU15M2	671.15
2.2	24	10	15	93		ATV12HU22M2	739.85
3-phase supply voltage 200…240V 50/60Hz (3)							
0.18	2	1.4	2.1	16	*(4)*	ATV12H018M3	427.55
0.37	3.6	2.4	3.6	24		ATV12H037M3	473.29
0.75	6.3	4.2	6.3	41		ATV12H075M3	616.35
1.5	11.1	7.5	11.2	73		ATV12HU15M3	782.29
2.2	14.9	10	15	85		ATV12HU22M3	839.86
3	19	12.2	18.3	94		ATV12HU30M3	1,119.30
4	23.8	16.7	25	128		ATV12HU40M3	1,332.72

Drive on base plate

ATV12P075M2

Motor Power indicated on plate (1) kW	Line Max. line current (2) A	Altivar 12 Continuous output current (1) A	Max. Transient current A	Power dissipated at max. output current (In) (1) W		Reference	Price (S$)
Single-phase supply voltage 100…120V 50/60Hz (3)							
0.18	6	1.4	2.1	18	*(4)*	ATV12H018F1	424.15
-	11.4	2.4	3.6	29	*(6)*	ATV12P037F1	415.81
Single-phase supply voltage 200…240V 50/60Hz (3) (5)							
0.18	3.4	1.4	2.1	18	*(4)*	ATV12H018M2	409.12
-	5.9	2.4	3.6	27	*(6)*	ATV12P037M2	445.99
-	8	3.5	5.3	34	*(6)*	ATV12P055M2	475.55
-	10.2	4.2	6.3	44	*(6)*	ATV12P075M2	510.26
3-phase supply voltage 200…240V 50/60Hz (3)							
0.18	2	1.4	2.1	16	*(4)*	ATV12H018M3	427.55
-	3.6	2.4	3.6	24	*(6)*	ATV12P037M3	537.04
-	6.3	4.2	6.3	41	*(6)*	ATV12P075M3	459.38
-	11.1	7.5	11.2	73	*(6)*	ATV12PU15M3	970.67
-	14.9	10	15	85	*(6)*	ATV12PU22M3	800.83
-	19	12.2	18.3	94	*(6)*	ATV12PU30M3	1,459.30
-	23.8	16.7	25	128	*(6)*	ATV12PU40M3	1,950.20

(1) These values are given for a nominal switching frequency of 4 kHz, for use in continuous operation.
If operation above 4 kHz needs to be continuous, the nominal drive current should be derated by 10% for 8 kHz, 20% for 12 kHz and 30% for 16 kHz.
The switching frequency can be set between 2 and 16 kHz for all ratings.
Above 4 kHz, the drive will reduce the switching frequency automatically in the event of an excessive temperature rise.
See the derating curves in the User Manual, available on our website at "www.schneider-electric.com".
(2) Typical value for the indicated motor power and for the maximum prospective line Isc.
(3) Min. (U1) and max. (U2) nominal supply voltage: 100 (U1)…120 V (U2), 200 (U1)…240 V (U2).
(4) Due to the poor heat dissipation, the ATV 12H018●● drive is only supplied as a base plate version.
(5) Drive supplied with category C1 integrated EMC filter. This filter can be disconnected.
(6) To size the ATV 12P●●●●● drive correctly, see the specific manual for the Altivar 12 base plate version, available at our website at "www.schneider-electric.com".

Altivar 12
Accessories, configuration tools and braking unit

unit price (excl. GST in Singapore Dollars)

Accessories

VW3A9804

VW3A9523

Description	For Drives	Reference	Price (S$)
Mounting plates for mounting on 35 mm wide DIN rail	ATV12H018F1,H037F1 ATV12H18M2…H075M2 ATV12H018M3…H075M3	VW3A9804	*164.29*
	ATV12H075F1 ATV12HU15M2, HU22M2 ATV12HU15M3, HU22M3	VW3A9805	*196.73*
EMC conformity kits These provide a connection compliant with EMC standards The kit consists of: The EMC plate Clamps Fixing accessories	ATV12H018F1,H037F1 ATV12H18M2…H075M2 ATV12H018M3…H075M3 ATV12P037F1 ATV12P037M2 P075M2 ATV12P018M3 P075M3	VW3A9523	*86.11*
	ATV12H075F1 ATV12HU15M2, HU22M2 ATV12HU15M3, HU22M3 ATV12PU15M3, PU22M3	VW3A9524	*86.11*
	ATV12HU30M3, HU40M3 ATV12PU30M3, PU40M3	VW3A9525	*106.19*

Configuration tools

Multi-Loader configuration tools and associated cable

Configuring the drive in its packaging with the Multi-Loader tool VW3A8121

Description	For Drives	Reference	Price (S$)
Multi Loader tool For copying a configuration on PC or drive and duplicating it on another drive. The drives do not need to powered-up Supplied with the tool: 1 cordset equipped with 2RJ45 connectors 1 cordset equipped with USB type A connector and a USB Mini-B type connector 1 x 2 GB SD memory card 1 female/female RJ45 adaptor 4AA /LR6 1.5V batteries	ATV12●●●●●●	VW3A8121	*1,430.46*

Remote display terminals and associated cordsets

VW3A1006

Description		For Drives	Reference	Price (S$)
Remote display terminals For mounting the Human-Machine interface on an enclosure door with IP54 or IP65 degree of protection A remote-mounting cordset VW3A1104 R●● is also required.	IP54	ATV12●●●●●●	VW3A1006	*167.68*
	IP65	ATV12●●●●●●	VW3A1007	*195.60*

1

unit price (excl. GST in Singapore Dollars)

Braking resistors

Description	Ohmic value at 20°C	Average power available at 40°C	For Drives	Reference	Price (S$)
	Ω	W			
Braking resistors Unprotected (IP 00) If a resistor other than those specified is being used, add a thermal protection device.	100	32	ATV12●●●●F1 ATV12H018M2…HU15M2 ATV12H018M3…HU15M3 ATV12P037M2 …P075M2 ATV12P037M3... PU15M3	VW3A7723	*466.08*
	68	32	ATV12HU22M2 ATV12HU22M3 ATV12PU22M3	VW3A7724	*POR*

Additional EMC input filters

Description	For Drives	Reference	Price (S$)
Additional EMC input filters For compliance with the requirements of standard . IEC/EN 61 800-3, category C1, C2 or C3, in Environment 1 (public network) or 2 (industrial network), depending on the drive rating. See catalouge for details	ATV 12H018F1…H037F1 ATV 12H018M2…H075M2 ATV 12P037F1 ATV 12P037M2…P075M2	VW3A4416	*276.04*
	ATV 12H075F1 ATV 12HU15M2, HU22M2 ATV 12PU15M2, PU22M2	VW3A4417	*POR*
	ATV 12H018M3…H075M3 ATV 12P037M3… P075M3	VW3A4418	*POR*

Altivar 212
ATV212 for asynchronous motors- IP 21 drives

unit price (excl. GST in Singapore Dollars)

IP 21 drives (frequency range from 0.5 to 200 Hz)

ATV212HD11N4

ATV212HD55N4

Motor		Line supply				Altivar 212			Reference	Price (S$)
Power indicated on rating plate		Line current (1)		Apparent power	Maximum prospective line Isc	Max. continuous output current (2)	Max. transient current for	THDI (3)		
		200V	240V	240V		230V	60 s			
kW	HP	A	A	kVA	kA	A	A	%		
Three-phase supply voltage: 380…480 V 50/60 Hz, with integrated category C2 or C3 EMC filter (4)										
0.75	1	1.7	1.4	1.1	5	2.2	2.4	32.8	ATV212H075N4	*709.16*
1.5	2	3.2	2.5	2.1	5	3.7	4	30.9	ATV212HU15N4	*748.30*
2.2	3	4.6	3.6	3	5	5.1	5.6	30.5	ATV212HU22N4	*901.35*
3	–	6.2	4.9	4.1	5	7.2	7.9	31.2	ATV212HU30N4	*1,035.97*
4	5	8.1	6.4	5.3	5	9.1	10	30.6	ATV212HU40N4	*1,185.74*
5.5	7.5	10.9	8.6	7.2	22	12	13.2	30.5	ATV212HU55N4	*1,384.73*
7.5	10	14.7	11.7	9.7	22	16	17.6	30.9	ATV212HU75N4	*1,830.00*
11	15	21.1	16.8	13.9	22	22.5	24.8	30.4	ATV212HD11N4	*1,830.00*
15	20	28.5	22.8	18.7	22	30.5	33.6	30.9	ATV212HD15N4	*2,441.92*
18.5	25	34.8	27.8	22.9	22	37	40.7	30.5	ATV212HD18N4	*3,140.37*
22	30	41.6	33.1	27.3	22	43.5	47.9	30.7	ATV212HD22N4	*4,366.27*
30	40	56.7	44.7	37.3	22	58.5	64.4	30	ATV212HD30N4	*4,950.28*
37	50	68.9	54.4	45.3	22	79	86.9	30.3	ATV212HD37N4	*5,951.55*
45	60	83.8	65.9	55.2	22	94	103.4	30.2	ATV212HD45N4	*6,743.93*
75	100	141.8	111.3	93.3	22	160	176	31.1	ATV212HD75N4	*8,317.97*

(1) Typical value for the indicated motor power and for the maximum prospective line Isc.
(2) These values are given for a nominal switching frequency of 12 kHz up to to ATV 212HD15N4 or 8 kHz for ATV 212HD18N4…HD75N4, for use in continuous operation. The switching frequency can be set between 6 and 16 kHz for all ratings. Above 8 kHz or 12 kHz, depending on the rating, the drive will reduce the switching frequency automatically in the event of an excessive temperature rise. For continuous operation above the nominal switching frequency, derate the nominal drive current. The nominal motor current must not exceed this derating value. See the derating curves on our website www.schneider-electric.com.
(3) Total current harmonic distortion in accordance with IEC/EN 61000-3-12.
(4) Drives are supplied with an EMC plate, for customer assembly.

Altivar 212

ATV212 for asynchronous motors- UL Type 12/IP 55 drives

unit price (excl. GST in Singapore Dollars)

1

UL Type 12/IP 55 drives (frequency range from 0.5 to 200 Hz)

ATV212WU75N4

ATV212WD30N4

Motor		Line supply				Altivar 212				
Power indicated on rating plate		Line current (1)		Apparent power	Maximum prospective line Isc	Max. continuous output current (2)	Max. transient current for	THDI (3)		
		380 V	480 V	380 V		380/460V	60 s		Reference	Price (S$)
kW	HP	A	A	kVA	kA	A	A	%		
Three-phase supply voltage: 380…480 V 50/60 Hz, with integrated category C2 or C3 EMC filter										
0.75	1	1.7	1.4	1.1	5	2.2	2.4	32.8	ATV212W075N4	*1,321.59*
1.5	2	3.2	2.5	2.1	5	3.7	4	30.9	ATV212WU15N4	*1,285.75*
2.2	3	4.6	3.6	3	5	5.1	5.6	30.5	ATV212WU22N4	*1,442.21*
3	–	6.2	4.9	4.1	5	7.2	7.9	31.2	ATV212WU30N4	*1,700.94*
4	5	8.1	6.4	5.3	5	9.1	10	30.6	ATV212WU40N4	*1,705.47*
5.5	7.5	10.9	8.6	7.2	22	12	13.2	30.5	ATV212WU55N4	*1,911.58*
7.5	10	14.7	11.7	9.7	22	16	17.6	30.9	ATV212WU75N4	*2,338.00*
11	15	21.2	16.9	14	22	22.5	24.8	30.9	ATV212WD11N4	*7,653.00*
15	20	28.4	22.6	18.7	22	30.5	33.6	30.4	ATV212WD15N4	*7,176.42*
18.5	25	34.9	27.8	23	22	37	40.7	30.5	ATV212WD18N4	*8,508.52*
22	30	41.6	33.1	27.3	22	43.5	47.9	30.7	ATV212WD22N4	*10,237.89*
30	40	56.7	44.7	37.3	22	58.5	64.4	30	ATV212WD30N4	*9,652.34*
37	50	68.9	54.4	45.3	22	79	86.9	30.3	ATV212WD37N4	*11,969.01*
45	60	83.8	65.9	55.2	22	94	103.4	30.2	ATV212WD45N4	*12,108.68*
75	100	141.8	111.3	93.3	22	160	176	31.1	ATV212WD75N4	*15,131.63*
Three-phase supply voltage: 380…480 V 50/60 Hz, with integrated category C1 filter										
0.75	1	1.7	1.4	1.1	5	2.2	2.4	32.8	ATV212W075N4C	*2,051.35*
1.5	2	3.2	2.6	2.1	5	3.7	4	30.9	ATV212WU15N4C	*2,094.30*
2.2	3	4.6	3.7	3	5	5.1	5.6	30.5	ATV212WU22N4C	*2,117.78*
3	–	6.2	5	4.1	5	7.2	7.9	31.2	ATV212WU30N4C	*2,452.53*
4	5	8.2	6.5	5.4	5	9.1	10	30.6	ATV212WU40N4C	*2,514.54*
5.5	7.5	11	8.7	7.2	22	12	13.2	30.5	ATV212WU55N4C	*2,592.20*
7.5	10	14.7	11.7	9.7	22	16	17.6	30.9	ATV212WU75N4C	*3,253.26*
11	15	21.1	16.7	13.9	22	22.5	24.8	30.9	ATV212WD11N4C	*8,254.32*
15	20	28.4	22.8	18.7	22	30.5	33.6	30.4	ATV212WD15N4C	*8,557.14*
30	40	58.2	44.4	38.3	22	58.5	64.4	30	ATV212WD30N4C	*11,019.66*
37	50	68.9	54.4	45.3	22	79	86.9	30.3	ATV212WD37N4C	*13,444.18*
45	60	83.8	65.9	55.2	22	94	103.4	30.2	ATV212WD45N4C	*13,583.85*
75	100	141.8	111.3	93.3	22	160	176	31.1	ATV212WD75N4C	*19,484.51*

(1) Typical value for the indicated motor power and for the maximum prospective line Isc.

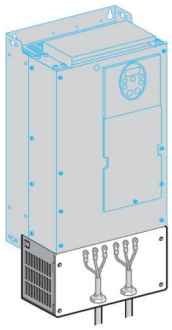
(2) These values are given for a nominal switching frequency of 12 kHz up to ATV 212WD15N4 and up to ATV 212WD15N4C or 8 kHz for ATV 212WD18N4…WD75N4 and ATV 212WD18N4C…WD75N4C, for use in continuous operation.

The switching frequency can be set between 6 and 16 kHz for all ratings. Above 8 kHz or 12 kHz, depending on the rating, the drive will reduce the switching frequency automatically in the event of an excessive temperature rise. For continuous operation above the nominal switching frequency, derate the nominal drive current. The nominal motor current must not exceed this derating value. See the derating curves on our website www.schneider-electric.com.

(3) Total current harmonic distortion in accordance with IEC/EN 61000-3-12.

unit price (excl. GST in Singapore Dollars)

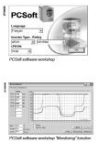
Kit for UL Type 1 conformity (mounting outside the enclosure)



UL Type 1 conformity kit

For drives	Reference	Price (S$)
ATV 212H075M3X…HU22M3X ATV 212H075N4…HU22N4	VW3A31814	*POR*
ATV 212HU30M3X, HU40M3X ATV 212HU30N4…HU55N4	VW3A31815	*260.49*
ATV 212HU55M3X, HU75M3X ATV 212HU75N4, HD11N4	VW3A31816	*271.61*
ATV 212HD11M3X…HD18M3X ATV 212HD15N4…HD22N4S	VW3A31817	*POR*
ATV 212HD22M3X ATV 212HD22N4, HD30N4	VW3A9206	*261.52*
ATV 212HD37N4, HD45N4	VW3A9207	*POR*
ATV 212HD30M3X ATV 212HD55N4, HD75N4	VW3A9208	*299.01*

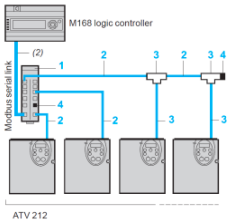
PCSoft software workshop



Description	Composition	Reference	Price (S$)
PC serial port connection kit for point-topoint Modbus connection	■ 1 x 3 m cable with 2 RJ45 connectors ■ 1 RS 232/RS 485 converter with one 9-way female SUB-D connector and 1 RJ45 connector	VW3A8106	*380.59*

Connection accessories

Other connection accessories for Modbus serial link



Connection via splitter box with RJ45 connectors on Modbus serial link

Description	Item no.	Length (m)	Reference	Price (S$)
Modbus splitter block 10 RJ45 connectors and 1 screw terminal block	1		LU9GC3	*POR*
Cables for Modbus serial link equipped with 2 RJ45 connectors	2	0.3	VW3A8306R03	*16.79*
		1	VW3A8306R10	*15.14*
		3	VW3A8306R30	*25.24*
Modbus T-junction boxes (with integrated cable)	3	0.3	VW3A8306TF03	*64.27*
		1	VW3A8306TF10	*72.72*
Line terminator For RJ45 connector	4		VW3A8306RC *(2)*	*12.36*

(1) The Altivar 212 drive can only take one communication card.
(2) Sold in lot of 2.

Altivar 320

ATV320 for frequency range from 0.5 to 500Hz

unit price (excl. GST in Singapore Dollars)

1

Drives with compact control block

ATV320U02...U07M2C

ATV320U55M3C

ATV320U04...U15N4C

ATV320U22…U40N4C

ATV320U55…D15N4C

Motor		Line Supply				Altivar Machine ATV320				
Power indicated on rating plate (1)		Max. line current (2) (3)		Apparent power	Max. prospective line	Max. continuous output current	Max. transient current for 60s	Power dissipated at max. output current	Reference	Price (S$)
		at U1	at U2	at U2	Isc (4)	(In) (1)		(In) (1)	(1)	
kW	HP	A	A	kVA	kA	A	A	W		
Single-phase supply voltage: 200…240 V 50/60 Hz, with integrated EMC filter (3) (5) (6)										
0.18	0.25	3.4	2.8	0.7	1	1.5	2.3	21.7	ATV320U02M2C	*467.21*
0.37	0.5	5.9	4.9	1.2	1	3.3	5	32.2	ATV320U04M2C	*464.94*
0.55	0.75	7.9	6.6	1.6	1	3.7	5.6	41.7	ATV320U06M2C	*518.61*
0.75	1	10	8.4	2	1	4.8	7.2	48.3	ATV320U07M2C	*548.78*
1.1	1.5	13.8	11.6	2.8	1	6.9	10.4	65.6	ATV320U11M2C	*651.06*
1.5	2	17.8	14.9	3.6	1	8	12	82.4	ATV320U15M2C	*680.62*
2.2	3	24	20.2	4.8	1	11	16.5	109.6	ATV320U22M2C	*734.80*
Three-phase supply voltage: 200…240 V 50/60 Hz, without integrated EMC filter (3)										
0.18	0.25	2	1.7	0.7	5	1.5	2.3	21	ATV320U02M3C	*472.26*
0.37	0.5	3.6	3	1.2	5	3.3	5	34	ATV320U04M3C	*482.25*
0.55	0.75	4.9	4.2	1.7	5	3.7	5.6	40	ATV320U06M3C	*543.74*
0.75	1	6.3	5.3	2.2	5	4.8	7.2	49	ATV320U07M3C	*616.97*
1.1	1.5	8.6	7.2	3	5	6.9	10.4	66	ATV320U11M3C	*684.02*
1.5	2	11.1	9.3	3.9	5	8	12	69	ATV320U15M3C	*771.16*
2.2	3	14.9	12.5	5.2	5	11	16.5	92	ATV320U22M3C	*1,010.33*
3	4	19.	15.9	6.6	5	13.7	20.6	109	ATV320U30M3C	*1,256.19*
4	5	23.8	19.9	8.3	5	17.5	26.3	141	ATV320U40M3C	*1,477.43*
5.5	7.5	35.4	29.8	12.4	22	27.5	41.3	261	ATV320U55M3C	*1,898.81*
7.5	10	45.3	38.2	15.9	22	33	49.5	324	ATV320U75M3C	*2,386.61*
11	15	60.9	51.4	21.4	22	54	81	528	ATV320D11M3C	*3,153.76*
15	20	79.7	67.1	27.9	22	66	99	545	ATV320D15M3C	*3,802.55*
Three-phase supply voltage: 380…500 V 50/60 Hz, with integrated EMC filter (3) (5) (6)										
0.37	0.5	2.1	1.6	1.4	5	1.5	2.3	28	ATV320U04N4C	*611.92*
0.55	0.75	2.8	2.2	1.9	5	1.9	2.9	33	ATV320U06N4C	*634.79*
0.75	1	3.6	2.8	2.4	5	2.3	3.5	38	ATV320U07N4C	*721.41*
1.1	1.5	5	3.8	3.3	5	3	4.5	47	ATV320U11N4C	*884.56*
1.5	2	6.4	4.9	4.2	5	4.1	6.2	61	ATV320U15N4C	*978.50*
2.2	3	8.7	6.6	5.7	5	5.5	8.3	76	ATV320U22N4C	*1,117.04*
3	4	11.1	8.4	7.3	5	7.1	10.7	94	ATV320U30N4C	*1,393.08*
4	*5*	12.9	10.6	9.2	5	9.5	14.3	112	ATV320U40N4C	*1,566.32*
5.5	*7*	13.7	19.8	15.2	22	9.5	21.5	232	ATV320U55N4C	*1,765.73*
7.5	*10*	25.5	19.6	17	22	17.0	25.5	262	ATV320U75N4C	*2,239.63*
11	*15*	35.4	27.2	23.6	22	27.7	41.6	398	ATV320D11N4C	*3,670.10*
15	*20*	46.5	35.5	9.2	22	33.0	49.5	475	ATV320D15N4C	*3,942.22*
18.5	*25*	55.3	42.4	36.7	22	40.0	60.0	449	ATV320D18N4C	*4,944.00*
22.0	*30*	64.6	49.4	42.8	22	46.0	69.0	540	ATV320D22N4C	*5,191.20*

(1) These values are given for a nominal switching frequency of 4 kHz, for use in continuous operation. The switching frequency is adjustable from 2 to16 kHz. Above 4 kHz, derate the nominal drive current. The nominal motor current should not exceed this value. See derating curves from catalogue.

(2) Typical value for a 4-pole motor and a maximum switching frequency of 4 kHz, with no line choke for max. prospective line Isc (4).

(3) Nominal supply voltage, min. U1, max. U2: 200 (U1)…240 V (U2), 380 (U1)…500 V (U2).

(4) If line Isc is greater than the values in the table, add line chokes.

(5) Drives supplied with category C2 integrated EMC filter. This filter can be disconnected.

(6) Drives are supplied with an EMC plate, for assembly by the customer.

Altivar 320

ATV320 for frequency range from 0.5 to 500Hz

unit price (excl. GST in Singapore Dollars)

Drives with book control block

Motor		Line Supply				Altivar Machine ATV320				
Power indicated on rating plate (1)		Max. line current (2) (3)		Apparent power	Max. prospective line Isc (4)	Max. continuous output current (In) (1)	Max. transient current for 60s	Power dissipated at max. output current (In) (1)	Reference (1)	Price (S$)
		at U1	at U2	at U2						
kW	HP	A	A	kVA	A	A	A	W		
Single-phase supply voltage: 200…240 V 50/60 Hz, with integrated EMC filter (3) (5) (6)										
0.18	0.25	3.4	2.8	0.7	1	1.5	2.3	25	ATV320U02M2B	*462.68*
0.37	0.5	6	5	1.2	1	3.3	5	38	ATV320U04M2B	*495.64*
0.55	0.75	7.9	6.7	1.6	1	3.7	5.6	42	ATV320U06M2B	*547.14*
0.75	1	8.5	8.5	2	1	4.8	7.2	51	ATV320U07M2B	*584.01*
1.1	1.5	13.6	11.5	2.8	1	6.9	10.4	64	ATV320U11M2B	*690.10*
1.5	2	17.6	14.8	3.6	1	8	12	81	ATV320U15M2B	*709.16*
2.2	3	23.9	20.1	4.8	1	11	16.5	102	ATV320U22M2B	*785.17*
Three-phase supply voltage: 380…500 V 50/60 Hz, with integrated EMC filter (3) (5) (6)										
0.37	0.5	2.1	1.6	1.4	5	1.5	2.3	27	ATV320U04N4B	*647.15*
0.55	0.75	2.8	2.2	1.9	5	1.9	2.9	31	ATV320U06N4B	*579.48*
0.75	1	3.6	2.7	2.3	5	2.3	3.5	37	ATV320U07N4B	*769.51*
1.1	1.5	5	3.8	3.3	5	3	4.5	50	ATV320U11N4B	*961.09*
1.5	2	6.5	4.9	4.2	5	4.1	6.2	63	ATV320U15N4B	*1,077.90*
2.2	3	8.7	6.6	5.7	5	5.5	8.3	78	ATV320U22N4B	*1,194.18*
3	4	11.1	8.4	7.3	5	7.1	10.7	100	ATV320U30N4B	*1,466.31*
4	5	13.7	10.5	9.1	5	9.5	14.3	125	ATV320U40N4B	*1,660.15*
5.5	7.5	20.7	14.5	12.6	22	14.3	21.5	233	ATV320U55N4B	*1,775.82*
7.5	10	26.5	18.7	16.2	22	17	25.5	263	ATV320U75N4B	*2,312.25*
11	15	36.6	25.6	22.2	22	27.7	41.6	403	ATV320D11N4B	*3,690.80*
15	*20*	47.3	33.3	28.8	22	33	49.5	480	ATV320D15N4B	*4,099.19*

(1) These values are given for a nominal switching frequency of 4 kHz, for use in continuous operation.
The switching frequency is adjustable from 2 to16 kHz. Above 4 kHz, derate the nominal drive current.
The nominal motor current should not exceed this value. See derating curves from catalogue.
(2) Typical value for a 4-pole motor and a maximum switching frequency of 4 kHz, with no line choke for max. prospective line Isc (4).
(3) Nominal supply voltage, min. U1, max. U2: 200 (U1)…240 V (U2), 380 (U1)…500 V (U2).
(4) If line Isc is greater than the values in the table, add line chokes.
(5) Drives supplied with category C2 integrated EMC filter. This filter can be disconnected.
(6) Connection in compliance with EMC standards:
- ATV320...M2B, ATV320U04N4B…ATV320U40N4B drives are supplied with an EMC plate.
This is integral part of the power terminal; these 2 components cannot be separated.
- ATV320U55N4B…D15N4B drives are supplied with an EMC plate, for assembly by the customer.

1

unit price (excl. GST in Singapore Dollars)

Accessories

VW3A9804

Description	For Drives	Reference	Price (S$)
Plates for mounting on DIN. Rail width 35mm (1.38 in.)	ATV320U02M•C...ATV320U07M•C	VW3A9804	*164.29*
	ATV320U11M•C...ATV320U22M•C, ATV320U04N4C...ATV320U15N4C,	VW3A9805	*196.73*

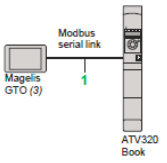
Power Extension module

VW3A9804

Description	For Drives	Reference	Price (S$)
Plates for mounting on DIN. Rail width 35mm (1.38 in.)	ATV320U02M•C...ATV320U07M•C	VW3A9804	*164.29*
	ATV320U11M•C...ATV320U22M•C, ATV320U04N4C...ATV320U15N4C,	VW3A9805	*196.73*

Dialog tools

VW3A1006



Remote display terminals and associated cordsets

Description	Degree of protection	Item	Length	Reference	Price (S$)
Remote display terminals	IP54		-	VW3A1006	*167.68*
A remote-mounting cordset, VW3A1104R●●, is required	IP65		-	VW3A1007	*195.60*
Remote graphic display terminals A remote-mounting cordset, VW3A1104R●●●, and an RJ45 adaptor, VW3A1105, are required		1		VW3A1101	*628.09*
Remote-mounting cordsets equipped with 2 RJ45 connectors		2	1 m	VW3A1104R10	*40.27*
			3 m	VW3A1104R30	*54.80*
			5 m	VW3A1104R50	*67.05*
			10 m	VW3A1104R100	*83.33*
Female/female RJ45 adaptor		3		VW3A1105	*70.45*
Remote mounting kit For mounting on enclosur door IP54 protection		4		VW3A1102	*163.77*
Door Used to increase the degree of protection for remote mounting kit VW3A1102 to IP 65		5		VW3A1103	*72.72*

Additional accessories for multidrop connection

Description			Length	Reference	Price (S$)
Modbus splitter box 10 RJ45 connectors and 1 screw terminal block			-	LU9GC3	*POR*
Modbus T-connectors (with integrated cable)			0.3 m	VW3A8306TF03	*64.27*
			1 m	VW3A8306TF10	*72.72*
Modbus line terminators	R=120 ohm	C=1 nf		VW3A8306RC	*12.36*
Cordsets for Modbus serial link equipped with 2 RJ45 connectors			0.3 m	VW3A8306R03	*16.79*
			1 m	VW3A8306R10	*15.14*
			3 m	VW3A8306R30	*25.24*

Configuration tools

Simple Loader and Multi-Loader configuration tools

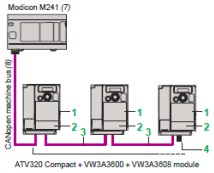
Description		Reference	Price (S$)
Multi-Loader configuration tool Supplied with: - 1 cordset equipped with 2 RJ45 connectors - 1 cordset equipped with one type A USB connector and one mini B USB connector - 1 SD memory card - 1 female/female RJ45 adapter - 4 AA/LR6 1.5 V batteries - 1 anti-shock protector - 1 carrying handle	ATV320●●●●●●	VW3A8121	*1,430.46*

unit price (excl. GST in Singapore Dollars)

Communication option modules (1) (2) (3)

Description	Reference	Price (S$)
Communication module adapter for ATV320 compact	VW3A3600	*97.85*
CANopen Daisy Chain communication module	VW3A3608	*259.35*
CANopen SUB-D9 communication module (2) (3)	VW3A3618	*268.21*
CANopen open style communication module	VW3A3628	*203.94*
Ethernet TCP/IP communication module	VW3A3616	*666.10*
EtherCAT 2 x RJ45 communication module	VW3A3601	*573.40*
Profi bus DP communication module	VW3A3607	*404.58*
DeviceNet communication module	VW3A3609	*1,560.76*
POWERLINK communication module	VW3A3619	*561.04*
ProfiNet communication module	VW3A3627	*540.34*
ProfiNet communication module	VW3A3647	*POR*
PROFIsafe module	VW3A3807	*POR*
Speed monitoring card - RS422 - 5V	VW3A3620	*581.13*

CANopen machine bus



Connection with VW3A3608 CANopen daisy chain module

Description	Item	Length	Reference	Price (S$)
CANopen cordsets	3	0.3 m	VW3CANCARR03	*19.06*
equipped with 2 RJ45 connectors		1 m	VW3CANCARR1	*24.62*
CANopen line terminator for RJ45 connector	4	-	TCSCAR013M120	*23.48*

Connection via SUB-D connector with VW3A3618 CANopen module

Description	Item	Length	Reference	Price (S$)
CANopen cable	6	50 m	TSXCANCA50	*541.57*
Standard cable, CE marking		100 m	TSXCANCA100	*1,024.23*
Low smoke zero halogen		300 m	TSXCANCA300	*2,818.39*
Flame retardant (IEC60332-1)				
CANopen cable	6	50 m	TSXCANCB50	*601.62*
Standard cable, UL certification		100 m	TSXCANCB100	*1,138.15*
CE marking		300 m	TSXCANCB300	*3,131.10*
Flame retardant (IEC 60332-2)				
CANopen cable	6	50 m	TSXCANCD50	*POR*
Cable for harsh environments (5) or		100 m	TSXCANCD100	*POR*
mobile installations, CE marking		300 m	TSXCANCD300	*4,696.90*
Low smoke zero halogen				
Flame retardant (IEC 60332-1)				
CANopen IP 20 straight connector	7	-	TSXCANKCDF180T	*129.78*
9-way female SUB-D with line				
terminator that can be deactivated				
IP 20 CANopen right angle connector (6)	7	-	TSXCANKCDF90T	*108.77*
9-way female SUB-D with line				
terminator that can be deactivated				

(1) Altivar Machine ATV320 products with a compact control block require the VW3A3600 option module adapter in order to use any communication option modules.

(2) The Modbus serial link always uses the RJ45 communication port. If simultaneous use of the Modbus serial link and the CANopen machine bus is required, a CANopen communication module is needed.

(3) The Altivar Machine ATV320 drive can only take one communication module.

(4) When one of the CANopen communication modules is inserted in the Altivar Machine ATV320 drive, CANopen communication via the RJ45 communication port on the front is disabled.

(5) Standard environment:- No particular environmental constraints
- Operating temperature between 5 and 60 °C/41 and 140 °F
- Fixed installation
Harsh environment:- Resistance to hydrocarbons, industrial oils, detergents, solder splashes
- Relative humidity up to 100%
- Saline atmosphere
- Operating temperature between -10 and +70 °C/14 and 158 °F
- Significant temperature variations

(6) Incompatible with side-by-side mounting.

(7) Please refer to the "Modicon M241 logic controller", "Modicon M251 logic controller", and "Magelis SCU small HMI controllers" catalogs.

(8) Cable dependent on the type of controller or PLC; please refer to the corresponding catalog.

1

unit price (excl. GST in Singapore Dollars)

IP 20 resistors

For drives	Ohmic value	Average power available at 50°C / 122°F(1)	Length of connection cable	Reference	Price (S$)
	Ω	W	m / ft		
ATV320U02M••, ATV320U04M••, ATV320U04N4•...U30N4•	100	100	-	VW3A7730	*233.09*
ATV320U06M••...U15M••, ATV320U40N4C, ATV320U40N4B, ATV320U55N4B,	60	160	-	VW3A7731	*262.65*
ATV320U22M•• ATV320U30M3C, ATV320U75N4B, ATV320D11N4B	28	300	-	VW3A7732	*392.84*
ATV320U40M3C, ATV320U55M3C, ATV320D15N4B	16	960	-	VW3A7733	*727.59*
ATV320U75M3C	10	960	-	VW3A7734	*1,309.23*
ATV320D11M3C	8	960	-	VW3A7735	*1,486.39*
ATV320D15M3C	5	1900	-	VW3A7736	*3,494.58*

(1) Load factor for resistors: the value of the average power that can be dissipated at 50 °C/122 °F from the resistor into the casing is determined for a load factor during braking that corresponds to the majority of normal applications:
- 2 s braking with a 0.6 Tn braking torque for a 40 s cycle
- 0.8 s braking with a 1.5 Tn braking torque for a 40 s cycle

unit price (excl. GST in Singapore Dollars)

IP 65 resistors

For drives	Ohmic value	Average power available at 50°C / 122°F(1)	Length of connection cable	Reference	Price (S$)
	Ω	W	m / ft		
ATV320U02M2C…U07M2C, ATV320U02M2B…U07M2B, ATV320U04N4C, ATV320U22N4C, ATV320U04N4B, ATV320U22N4B	100	25	0.75 / 2.46	VW3A7608R07	*326.30*
			3.0 / 9.84	VW3A7608R30	*420.34*
ATV320U30N4C, ATV320U40N4C, ATV320U30N4B, ATV320U40N4B	72	50	0.75 / 2.46	VW3A7606R07	*558.26*
			3.0 / 9.84	VW3A7606R30	*769.51*
ATV320U11M2C, ATV320U15M2C, ATV320U11M2B, ATV320U15M2B	72	25	0.75 / 2.46	VW3A7605R07	*473.90*
			3.0 / 9.84	VW3A7605R30	*POR*
ATV320U55N4B, ATV320U75N4B	16	960	0.75 / 2.46	VW3A7604R07	*707.51*
			3.0 / 9.84	VW3A7604R30	*873.44*
ATV320U22M2C, *ATV320U22M2B*	10	960	0.75 / 2.46	VW3A7603R07	*558.26*
			3.0 / 9.84	VW3A7603R30	*POR*

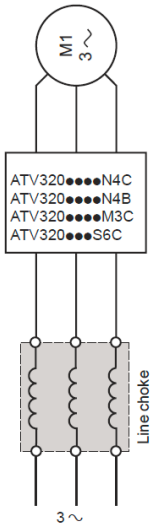
(1) Load factor for resistors: the value of the average power that can be dissipated at 50 °C/122 °F from the resistor into the casing is determined for a load factor during braking that corresponds to the majority of normal applications:- 2 s braking with a 0.6 Tn braking torque for a 40 s cycle- 0.8 s braking with a 1.5 Tn braking torque for a 40 s cycle.

Note: no optional IP65 braking resistors for ATV320U55S6C, ATV320U75S6C, ATV320D11S6C, ATV320D15S6C, and ATV320•••M3C drives.

1

unit price (excl. GST in Singapore Dollars)

Line chokes



For drives	Line current without choke without choke U min.(1)	U max. (1)	Line current with choke U min.(1)	U max. (1)	Reference	Price (S$)
	A	A	A	A		
Three-phase supply voltage: 200…240 V 50/60 Hz						
ATV320U02M3C	2	1.7	1	0.8		
ATV320U04M3C	3.6	3	1.8	1.6	VW3A4551	*546.52*
ATV320U06M3C	4.9	4.2	2.7	2.2		
ATV320U07M3C	6.3	5.3	3.5	2.9		
ATV320U11M3C	8.6	7.2	5	4.2	VW3A4552	*742.12*
ATV320U15M3C	11.1	9.3	6.6	5.5		
ATV320U22M3C	14.9	12.5	9.3	7.9	VW3A4553	*854.39*
ATV320U30M3C	19	15.9	12.4	10.4		
ATV320U40M3C	23.8	19.9	16.2	13.7	VW3A4554	*875.60*
ATV320U55M3C	35.4	29.8	21.6	18.1		
ATV320U75M3C	45.3	38.2	28.8	24		
ATV320D11M3C	60.9	51.4	40.9	34.4	VW3A4555	*1,409.86*
ATV320D15M3C	79.7	67.1	54.4	45.4		
Three-phase supply voltage: 380…500 V 50/60 Hz						
ATV320U04N4C, ATV320U04N4B	2.2	1.7	1.1	0.9		
ATV320U06N4C, ATV320U06N4B	2.8	2.2	1.4	1.2		
ATV320U07N4C, ATV320U07N4B	3.6	2.7	1.8	1.5	VW3A4551	*546.52*
ATV320U11N4C, ATV320U11N4B	4.9	3.7	2.6	2		
ATV320U15N4C, ATV320U15N4B	6.4	4.8	3.4	2.6		
ATV320U22N4C, ATV320U22N4B	8.9	6.7	5	4.1	VW3A4552	*742.12*
ATV320U30N4C, ATV320U30N4B	10.9	8.3	6.5	5.2		
ATV320U40N4C, ATV320U40N4B	13.9	10.6	8.5	6.6		
ATV320U55N4B	21.9	16.5	11.7	9.3	VW3A4553	*854.39*
ATV320U75N4B	27.7	21	15.4	12.1		
ATV320D11N4B	37.2	28.4	22.5	18.1	VW3A4554	*875.60*
ATV320D15N4B	48.2	36.8	29.6	23.3		

(1) Nominal supply voltage

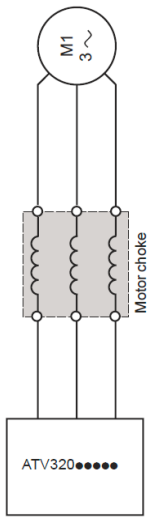
(2) ATV320...S6C drives must not be used without a Line choke

VW3A4554

Altivar 320
Motor chokes

unit price (excl. GST in Singapore Dollars)

Motor chokes



For drives	Losses	Cable length (1)		Nomial current	Reference	Price (S$)
		Shielded cable	Unshielded cable			
	W	m/ft	m/ft	A		
Single-phase supply voltage: 200…240 V 50/60 Hz						
ATV320U02M2C…U15M2C ATV320U02M2B…U15M2B	65	≤ 100/328.08	≤ 200/656.17	10	VW3A4552	*742.12*
ATV320U22M2C, ATV320U22M2B	75	≤ 100/328.08	≤ 200/656.17	16	VW3A4553	*854.39*
Three-phase supply voltage: 200…240 V 50/60 Hz						
ATV320U02M3C…U15M3C	65	≤ 100/328.08	≤ 200/656.17	10	VW3A4552	*742.12*
ATV320U22M3C, ATV320U30M3C	75	≤ 100/328.08	≤ 200/656.17	16	VW3A4553	*854.39*
ATV320U40M3C...U75M3C	90	≤ 100/328.08	≤ 200/656.17	30	VW3A4554	*875.60*
ATV320D11M3C...D15M3C	260	≤ 100/328.08	≤ 200/656.17	107	VW3A4556	*1,748.43*
Three-phase supply voltage: 380…500 V 50/60 Hz						
ATV320U04N4C…U40N4C ATV320U04N4B…U40N4B	65	≤ 100/328.08	≤ 200/656.17	10	VW3A4552	*742.12*
ATV320U55N4B	75	≤ 100/328.08	≤ 200/656.17	16	VW3A4553	*854.39*
ATV320U75N4B, ATV320D11N4B	90	≤ 100/328.08	≤ 200/656.17	30	VW3A4554	*875.60*
ATV320D15N4B	80	≤ 100/328.08	≤ 200/656.17	60	VW3A4555	*1,409.86*

(1) For an application with several motors connected in parallel, the total motor cable lengths must be added together.
If a cable longer than that recommended is used, the filters may overheat.

Additional EMC input filters

unit price (excl. GST in Singapore Dollars)

VW3A31405

VW3A4422

VW3A4424

Additional EMC input filters

For drives	Filter						
	Maximum length of shielded cable (1) (2) IEC 61800-3 (5)		In (3)	Losses (4)	Mounting the filter/ Book format	Reference	Price (S$)
	Category C2	Category C1					
	m / ft	m / ft	A	W			
Single-phase supply voltage: 200…240 V 50/60 Hz							
ATV320U02M2C…U07M2C	50 / 164.04	20 / 65..61	9	3.7	-	VW3A31401	*237.00*
ATV320U11M2C…U15M2C	50 / 164.04	20 / 65..61	16	6.9	-	VW3A31403	*POR*
ATV320U02M2C…U07M2C	50 / 164.04	20 / 65..61	22	7.5	-	VW3A31405	*POR*
ATV320U11M2C…U15M2C	50 / 164.04	20 / 65..61	10.1	3.7	On the side	VW3A4420	*195.60*
ATV320U02M2C…U07M2C	50 / 164.04	20 / 65..61	17.6	6.9	On the side	VW3A4421	*260.49*
ATV320U11M2C…U15M2C	50 / 164.04	20 / 65..61	23.9	7.5	On the side	VW3A4426	*POR*
Three-phase supply voltage: 200…240 V 50/60 Hz							
ATV320U02M3C...U07M3C	5 / 16.4	1 / 3.28	7	2.6	-	VW3A31402	*POR*
ATV320U11M3C...U22M3C	5 / 16.4	1 / 3.28	15	9.9	-	VW3A31404	*380.59*
ATV320U30M3C...U40M3C	5 / 16.4	1 / 3.28	25	15.8	-	VW3A31406	*561.66*
ATV320U55M3C...U75M3C	5 / 16.4	1 / 3.28	47	19.3	-	VW3A31407	*POR*
ATV320D11M3C...D15M3C	5 / 16.4	1 / 3.28	83	35.2	-	VW3A31408	*1,634.51*
Three-phase supply voltage: 380…500 V 50/60 Hz							
ATV320U04N4C…U15N4C	50 / 164.04	20 / 65..61	15	9.9	-	VW3A31404	*380.59*
ATV320U22N4C…U40N4C	50 / 164.04	20 / 65..61	25	15.8	-	VW3A31406	*561.66*
ATV320U04N4B…U40N4B	50 / 164.04	20 / 65..61	15	9.9	On the side	VW3A4422	*362.15*
ATV320U55N4B…U75N4B	50 / 164.04	20 / 65..61	47	19.3	Underneath	VW3A4424	*780.64*
ATV320D11N4B…D15N4B	50 / 164.04	20 / 65..61	49	27.4	Underneath	VW3A4425	*999.72*

(1) The filter selection tables give the maximum lengths for shielded cables connecting motors to drives. These maximum lengths are given as examples only, as they vary depending on the stray capacitance of the motors and the cables used. If motors are connected in parallel, it is the total length of all cables that should be taken into account.

(2) These values are given for a nominal switching frequency of 4 kHz.

(3) In: nominal filter current.

(4) Via heat dissipation, at the nominal filter current (In).

(5) Standard IEC 61800-3: EMC immunity and conducted and radiated EMC emissions:

'- Category C1 : public power supply (residential)

'- Category C2 : industrial power supply

Altivar Machine ATV340
Supply voltage 380...480V 50/60 Hz

Advanced machine performance

unit price (excl. GST in Singapore Dollars)

IP 20 drives- Drives with Modular version (1)

Three phase supply voltage: 380…480 V 50/60 Hz with integrated category C3 EMC filter

ATV340U22N4

ATV340U75N4

ATV340D22N4

Motor			Line supply							Reference	Price (S$)
Power indicated on rating plate (2)			Line current (3)		Apparent power	Max. prospective line	Max. continuous current (2)	Max. transient current for 2 s	Max. transient current for 60 s	(1)	
ND: Normal duty (4)			380 V	480 V	480 V	Isc					
HD: Heavy duty (5)											
	kW	HP	A	A	kVA	kA	A		A		
HD	0.75	1	3.4	2.6	2.2	5	2.2	4	3.3	ATV340U07N4	*1,332.72*
ND	1.1	1.5	3.3	2.6	1.7	5	2.8	3.8	3.1		
HD	1.5	2	6	4.9	4.1	5	4	7.2	6	ATV340U15N4	*1,332.72*
ND	2.2	3	5.7	4.6	3.4	5	5.6	7.6	6.2		
HD	2.2	3	8.4	6.6	5.5	5	5.6	10.1	8.4	ATV340U22N4	*1,549.02*
ND	3	3	7.7	6.2	4.4	5	7.2	9.7	7.9		
HD	3	3	10.7	8.5	7.1	5	7.2	13	10.8	ATV340U30N4	*1,595.88*
ND	4	5	10.1	8.1	5.7	5	9.3	12.6	10.2		
HD	4	5	13.4	10.6	8.8	5	9.3	16.7	14	ATV340U40N4	*1,595.88*
ND	5.5	7	13.4	10.8	7.5	5	12.7	17.1	14		
HD	5.5	7	20	16	13.3	22	12.7	22.9	19.1	ATV340U55N4	*1,723.91*
ND	7.5	10	18	14.5	10.1	22	16.5	22.3	18.2		
HD	7.5	10	25.6	20.4	17	22	16.5	29.7	24.8	ATV340U75N4	*1,914.98*
ND	11	15	25.5	20.5	14.7	22	24	32.4	26.4		
HD	11	15	34.7	27.7	23	22	24	43	36	ATV340D11N4	*2,510.11*
ND	15	20	34	27.3	19.1	22	32	43	35.2		
HD	15	20	44.9	35.7	29.7	22	32	58	48	ATV340D15N4	*2,964.34*
ND	18.5	25	42.3	34	25.1	22	39	53	42.9		
HD	18.5	25	54.7	43.4	36.1	22	39	70	59	ATV340D18N4	*3,130.27*
ND	22	30	50	40.2	29.1	22	46	62	50.6		
HD	22	30	63.5	50.6	42.1	22	46	83	69	ATV340D22N4	*4,219.40*
ND	30	40	67.7	54.3	40.4	22	62	84	68.2		

(1) Altivar Machine ATV340...N4 drives integrate EMC filter category C3 with 20 m/65.62 ft shielded motor cable

Keypad is accessory (VW3A1113 or VW3A1111)

(2) These values are given for a nominal switching frequency of 4 kHz up to ATV340D22N4, for use in continuous operation. The switching frequency is adjustable. Above 4 kHz, the drive will automatically reduce the switching frequency in the event of an excessive temperature rise. For continuous operation above the nominal switching frequency, derate the nominal drive current (see derating curves on our website www.schneider-electric.com).

(3) Typical value for the indicated motor power and for the prospective line Isc.

(4) Values given for applications requiring slight overload (up to 135% for 2 s and 110% for 60 s).

(5) Values given for applications requiring significant overload (up to 180% for 2 s and 150% for 60 s).

Advanced machine performance

unit price (excl. GST in Singapore Dollars)

1

IP 20 drives- Drives with Ethernet version (1)

Three phase supply voltage: 380…480 V 50/60 Hz with integrated category C2/ C3 EMC filter

ATV340U22N4E

ATV340U75N4E

ATV340D22N4E

ATV340D37N4E

Motor			Line supply							Reference	Price (S$)
Power indicated on rating plate (2)			Line current (3)		Apparent power	Max. prospective line	Max. continuous current (2)	Max. transient current for 2 s	Max. transient current for 60 s	(1)	
ND: Normal duty (4)			380 V	480 V	480 V	Isc					
HD: Heavy duty (5)											
	kW	HP	A	A	kVA	kA	A		A		
HD	0.75	1	3.4	2.6	2.2	5	2.2	4	3.3	ATV340U07N4E	*1,664.69*
ND	1.1	1.5	3.3	2.6	1.7	5	2.8	3.8	3.1		
HD	1.5	2	6	4.9	4.1	5	4	7.2	6	ATV340U15N4E	*1,664.69*
ND	2.2	3	5.7	4.6	3.4	5	5.6	7.6	6.2		
HD	2.2	3	8.4	6.6	5.5	5	5.6	10.1	8.4	ATV340U22N4E	*1,682.51*
ND	3	3	7.7	6.2	4.4	5	7.2	9.7	7.9		
HD	3	3	10.7	8.5	7.1	5	7.2	13	10.8	ATV340U30N4E	*1,825.57*
ND	4	5	10.1	8.1	5.7	5	9.3	12.6	10.2		
HD	4	5	13.4	10.6	8.8	5	9.3	16.7	14	ATV340U40N4E	*1,825.57*
ND	5.5	7	13.4	10.8	7.5	5	12.7	17.1	14		
HD	5.5	7	20	16	13.3	22	12.7	22.9	19.1	ATV340U55N4E	*1,888.20*
ND	7.5	10	18	14.5	10.1	22	16.5	22.3	18.2		
HD	7.5	10	25.6	20.4	17	22	16.5	29.7	24.8	ATV340U75N4E	*2,118.92*
ND	11	15	25.5	20.5	14.7	22	24	32.4	26.4		
HD	11	15	34.7	27.7	23	22	24	43	36	ATV340D11N4E	*2,720.13*
ND	15	20	34	27.3	19.1	22	32	43	35.2		
HD	15	20	44.9	35.7	29.7	22	32	58	48	ATV340D15N4E	*3,163.85*
ND	18.5	25	42.3	34	25.1	22	39	53	42.9		
HD	18.5	25	54.7	43.4	36.1	22	39	70	59	ATV340D18N4E	*3,294.56*
ND	22	30	50	40.2	29.1	22	46	62	50.6		
HD	22	30	63.5	50.6	42.1	22	46	83	69	ATV340D22N4E	*3,346.57*
ND	30	40	67.7	54.3	40.4	22	62	84	68.2		
HD	30	40	54.8	48.3	40.2	50	61.5	92.25	92.25	ATV340D30N4E	*7,014.40*
ND	37	50	66.2	57.3	47.6	50	74.5	89.4	89.4		
HD	37	50	67.1	59	49.1	50	74.5	111.75	111.75	ATV340D37N4E	*7,925.13*
ND	45	60	78.9	69.1	57.4	50	88	105.6	105.6		
HD	45	60	81.4	71.8	59.7	50	88	132	132	ATV340D45N4E	*10,307.73*
ND	55	75	97.2	84.2	70	50	106	127.2	127.2		
HD	55	75	98.9	86.9	72.2	50	106	159	159	ATV340D55N4E	*11,745.50*
ND	75	100	131.3	112.7	93.7	50	145	174	174		
HD	75	100	134.3	118.1	98.2	50	145	217.5	217.5	ATV340D75N4E	*11,924.31*
ND	90	125	156.2	135.8	112.9	50	173	207.6	207.6		

(1) Altivar Machine ATV340U07...D22N4E drives integrate EMC filter category C3 with 20 m/65.62 ft shielded motor cable

ATV340D30...D37N4E integrate EMC filter category C2 with 50 m/164.04 ft motor cable and category C3 with 150 m/492.12 ft motor cable.

ATV340D45...D75N4E integrate EMC filter category C3 with 150 m/492.12 ft shielded motor cable.

Keypad is accessory (VW3A1113 or VW3A1111)

(2) These values are given for a nominal switching frequency of 4 kHz up to ATV340D37N4E (2.5 kHz for ATV340D45N4E...ATV340U75N4E), for use in continuous operation. The switching frequency is adjustable. Above 2.5 or 4 kHz (depending on the rating), the drive will automatically reduce the switching frequency in the event of an excessive temperature rise. For continuous operation above the nominal switching frequency, derate the nominal drive current (see derating curves on our website www.schneider-electric.com).

(3) Typical value for the indicated motor power and for the prospective line Isc.

(4) Values given for applications requiring slight overload (up to 135% for 2 s and 110% for 60 s).

(5) Values given for applications requiring significant overload (up to 180% for 2 s and 150% for 60 s).

Altivar Machine ATV340 Accessories
Display, I/O extension cards, Encoder interface modules, EMC filters

unit price (excl. GST in Singapore Dollars)

Graphic display terminal

VW3A1113

VW3A1111

Description			Reference	Price (S$)
Plain text display terminal- IP21			VW3A1113	*122.47*
Graphic display terminal- IP65			VW3A1111	*273.88*

Description	Length m	Degree of protection	Reference	Price (S$)
Remote mounting kit for plain text display terminal		IP 43	VW3A1114	*33.06*
Remote mounting kit for graphic display terminal		IP 65	VW3A1112	*95.58*
Tightening tool			ZB5AZ905	*28.33*
Remote cables	1		VW3A1104R10	*40.27*
Equipped with 2 RJ45	3		VW3A1104R30	*54.80*
connectors	5		VW3A1104R50	*67.05*
	10		VW3A1104R100	*83.33*

I/O extension cards

VW3A3203

Description	I/O type				Reference	Price (S$)
	Logic Inputs	Logic Outputs	Analog Inputs	Relay Outputs		
Logic I/O card	6	2	2 (2)	-	VW3A3203	*360.50*
Relay output card	-	-	-	3 (3)	VW3A3204	*278.31*

(2) Differential analog inputs configurable via software as current (0-20 mA/4-20 mA) or probe (PTC, PT100, or 2-wire or 3-wire PT1000) inputs. When configured as PTC probe inputs, they must never be used to protect an ATEX motor in applications in explosive atmospheres. Please refer to the ATEX guide on our website www.schneider-electric.com.

(3) NO contacts

Encoder interface modules

VW3A3422

VW3A3424

Description	Technology type	Used with encoder (1)	Reference	Price (S$)
Digital interface encoder module 5/12 V	A/B/I	XCC1.....R XCC1.....X XCC2.....S.. XCC3.....S..	VW3A3420	*596.27*
	SSI	-		
	EnDat 2.2	-		
Analog interface encoder module	1 Vpp,SinCos Hiperface	-	VW3A3422	*726.97*
Resolver interface module	Resolver	-	VW3A3423	*596.27*
HTL encoder interface module	HTL	-	VW3A3424	*210.12*

(1) To determine the complete reference, please refer to the "Detection automation solutions - OsiSense" catalog.

Additional EMC input filters

3-phase supply voltage: 380...480 V 50 Hz

VW3A4422

For drives Reference	Maximum length of shielded cable (1) (2) IEC 61800-3 (5) category C2 m	IEC/EN 61800-3 category C3 m	In (3) A	Losses (4) W	Reference	Price (S$)
ATV340U07...U15N4 ■	50	100	15	9.9	VW3A4422	*362.15*
ATV340U22...U75N4 ■	50	100	25	15.8	VW3A4423	*421.37*
ATV340D11...D15N4 ■	50	100	50	8	VW3A4711	*1,981.00*
ATV340D18...D22N4 ■	50	100	70	10	VW3A4712	*3,116.00*
ATV340D30N4E ATV340D37N4E	150	300	100	12.4	VW3A4706	*2,785.53*
ATV340D45N4E	150	300	160	25	VW3A4707	*2,757.00*
ATV340D55N4E ATV340D75N4E	150	300	200	32.5	VW3A4708	*4,863.04*

(1) The filter selection tables give the maximum lengths for shielded cables connecting motors to drives. These maximum lengths are given as examples only, as they vary depending on the stray capacitance of the motors and the cables used. If motors are connected in parallel, it is the total length of all cables that should be taken into account.

(2) These values are given for a nominal switching frequency of 4 kHz.

(3) In: nominal filter current.

(4) Via heat dissipation, at the nominal filter current (In).

(5) Standard IEC 61800-3: EMC immunity and conducted and radiated EMC emissions:

- Category C2 : public power supply (residential) and industrial power supply

- Category C3 : industrial power supply

Option: ATV Regenerative units

unit price (excl. GST in Singapore Dollars)

ATVRU75N4

ATVRD15N4

References

For drives (1)	IP	Reference	Price (S$)
Supply voltage: 380…480 V 50/60 Hz			
ATV320U07N4 ▪ ...D15N4 ▪			
ATV340U07...D22N4 ▪	20	ATVRU75N4	*1,574.50*
ATV340D30...D75N4E ATV930...N4/N4Z	20	ATVRD15N4	*2,396.09*
ATV950...N4			

(1) For sizing, refer to the ***Altivar Regenerative Unit User Manual to select the Regenerative unit***

Download Altivar Regenerative Unit: Sizing Tool: https://www.se.com/ww/en/download/document/NVE94856/

Altivar Process ATV600
Supply voltage 380...480V 50/60 Hz

SEMI F47 Certified

unit price (excl. GST in Singapore Dollars)

IP 21 drives

Three phase supply voltage: 380…480 V 50/60 Hz with integrated category C2 or C3 EMC filter (6)

ATV630U07N4

ATV630D15N4

ATV630D30N4

Motor			Line supply						Reference	Price (S$)
Power indicated on rating plate (1)			Line current (2)		Apparent power	Max. prospective line Isc	Max. continuous current (1)	Max. transient current for 60 s	(1)	
ND: Normal duty (3)			380 V	480 V	380 V					
HD: Heavy duty (4)										
	kW	HP	A	A	kVA	kA	A	A		
ND	0.75	1	1.5	1.3	1.1	50	2.2	2.4	ATV630U07N4	*1,813.32*
HD	0.37	0.5	0.9	0.8	0.7	50	1.5	2.3		
ND	1.5	2	3	2.6	2.2	50	4	4.4	ATV630U15N4	*2,024.47*
HD	0.75	1	1.7	1.5	1.2	50	2.2	3.3		
ND	2.2	3	4.3	3.8	3.2	50	5.6	6.2	ATV630U22N4	*2,106.66*
HD	1.5	2	3.1	2.9	2.4	50	4.0	6.0		
ND	3	–	5.8	5.1	4.2	50	7.2	7.9	ATV630U30N4	*2,230.67*
HD	2.2	3	4.5	4	3.3	50	5.6	8.4		
ND	4	5	7.6	6.7	5.6	50	9.3	10.2	ATV630U40N4	*2,348.61*
HD	3	-	6	5.4	4.5	50	7.2	10.8		
ND	5.5	7.5	10.4	9.1	7.6	50	12.7	14	ATV630U55N4	*2,477.67*
HD	4	5	8	7.2	6.0	50	9.3	14.0		
ND	7.5	10	13.8	11.9	9.9	50	16.5	18.2	ATV630U75N4	*2,619.60*
HD	5.5	7.5	10.5	9.2	7.6	50	12.7	19.1		
ND	11	15	19.8	17	14.1	50	23.5	25.9	ATV630D11N4	*3,130.89*
HD	7.5	10	14.1	12.5	10.4	50	16.5	24.8		
ND	15	20	27	23.3	19.4	50	31.7	34.9	ATV630D15N4	*3,890.83*
HD	11	15	20.6	18.1	15.0	50	23.5	35.3		
ND	18.5	25	33.4	28.9	24	50	39.2	43.1	ATV630D18N4	*4,402.63*
HD	15	20	27.7	24.4	20.3	50	31.7	47.6		
ND	22	30	39.6	34.4	28.6	50	46.3	50.9	ATV630D22N4	*5,062.55*
HD	18.5	25	34.1	29.9	24.9	50	39.2	58.8		
ND	30	40	53.5	45.9	38.2	50	61.5	67.7	ATV630D30N4	*5,787.88*
HD	22	30	40.5	35.8	29.8	50	46.3	69.5		
ND	37	50	66.2	57.3	47.6	50	74.5	82	ATV630D37N4	*6,967.44*
HD	30	40	54.8	48.3	40.2	50	61.5	92.3		
ND	45	60	79.8	69.1	57.4	50	94	96.8	ATV630D45N4	*8,682.90*
HD	37	50	67.1	59.0	49.1	50	74.5	111.8		

(1) These values are given for use in continuous operation with a nominal switching frequency of 4 kHz (ATV630U07N4...D45N4).
The switching frequency is adjustable from 2…12 kHz (ATV630U07N4...D45N4).
Above the nominal switching frequency, the drive will automatically reduce it in the event of an excessive temperature rise.
For continuous operation above the nominal switching frequency, nominal drive current should be derated according to the derating curves available on www.schneider-electric.com.
(2) Typical value for the indicated motor power and for the maximum prospective line Isc.
(3) Values given for applications requiring a slight overload (up to 110%).
(4) Values given for applications requiring a significant overload (up to 150%).

SEMI F47 Certified

unit price (excl. GST in Singapore Dollars)

1

IP 21 drives

Three phase supply voltage: 380…480 V 50/60 Hz with integrated category C2 or C3 EMC filter (6)

Motor			Line supply						Reference		Price (S$)
Power indicated on rating plate (1)			Line current (2)		Apparent power	Max. prospective line Isc	Max. continuous current (1)	Max. transient current for 60 s	(1)		
ND: Normal duty (3) HD: Heavy duty (4)			380 V	480 V	380 V						
	kW	HP	A	A	kVA	kA	A	A			
ND	55	75	97.2	84.2	70	50	106	116.6	ATV630D55N4		*9,361.77*
HD	45	60	81.4	71.8	59.7	50	88	132.0			
ND	75	100	131.3	112.7	93.7	50	145	159.5	ATV630D75N4		*12,779.21*
HD	55	75	98.9	86.9	72.2	50	106	159.0			
ND	90	125	156.2	135.8	112.9	50	173	190.3	ATV630D90N4		*13,550.37*
HD	75	100	134.3	118.1	98.2	50	145	217.5			
ND	110	150	201	135	121.8	50	211	232.1	ATV630C11N4	*(5)*	*15,539.61*
HD	90	125	170	143	102.6	50	137.0	259.5			
ND	132	200	237	213	161.4	50	250	271	ATV630C13N4	*(5)*	*18,260.77*
HD	110	150	201	165	121.8	50	180.0	270.0			
ND	160	250	284	262	201.3	50	302	332.2	ATV630C16N4	*(5)*	*21,585.50*
HD	132	200	237	213	161.4	50	240.0	360.0			
ND	220	350	397	324	247	50	427	470	ATV630C22N4	*(5)*	*29,559.25*
HD	160	250	296	246	187	50	314	453			
ND	250	400	451	366	279	50	481	529	ATV630C25N4	*(5)*	*32,297.20*
HD	220	350	365	301	229	50	393	581			
ND	315	500	569	461	35	50	616	678	ATV630C31N4	*(5)*	*34,102.06*
HD	250	400	457	375	286	50	722	722			

(1) These values are given for use in continuous operation with a nominal switching frequency of 2.5 kHz (ATV630D55N4...C31N4).
The switching frequency is adjustable from 2…8 kHz (ATV630D55N4...C31N4).
Above the nominal switching frequency, the drive will automatically reduce it in the event of an excessive temperature rise.
For continuous operation above the nominal switching frequency, nominal drive current should be derated according to the derating curves available on www.schneider-electric.com.
(2) Typical value for the indicated motor power and for the maximum prospective line Isc.
(3) Values given for applications requiring a slight overload (up to 110%).
(4) Values given for applications requiring a significant overload (up to 150%).
(5) Product supplied as IP 00 for mounting in an enclosure. For IP 21/UL Type1 wall mounting, an adaptation kit should be ordered separately (see page 28).

Altivar Process ATV600
Supply voltage 380...480V 50/60 Hz

unit price (excl. GST in Singapore Dollars)

IP 55 drives

Three phase supply voltage: 380…480 V 50/60 Hz with integrated category C2 or C3 EMC filter (6)

ATV650D15N4

ATV650D30N4

ATV650D55N4

Motor			Line supply						Reference	Price (S$)
Power indicated on rating plate (2)			Line current (3)		Apparent power	Max. prospective line Isc	Max. continuous current (2)	Max. transient current for 60 s	(1)	
ND: Normal duty (4) HD: Heavy duty (5)			380 V	480 V	380 V					
	kW	HP	A	A	kVA	kA	A	A		
ND	0.75	1	1.5	1.3	1.1	50	2.2	2.4	ATV650U07N4	*3,129.14*
HD	0.37	0.5	0.9	0.8	0.7	50	1.5	2.3		
ND	1.5	2	3	2.6	2.2	50	4	4.4	ATV650U15N4	*3,170.03*
HD	0.75	1	1.7	1.5	1.2	50	2.2	3.3		
ND	2.2	3	4.3	3.8	3.2	50	5.6	6.2	ATV650U22N4	*3,271.69*
HD	1.5	2	3.1	2.9	2.4	50	4.0	6.0		
ND	3	–	5.8	5.1	4.2	50	7.2	7.9	ATV650U30N4	*3,633.74*
HD	2.2	3	4.5	4	3.3	50	5.6	8.4		
ND	4	5	7.6	6.7	5.6	50	9.3	10.2	ATV650U40N4	*3,016.87*
HD	3	-	6	5.4	4.5	50	7.2	10.8		
ND	5.5	7.5	10.4	9.1	7.6	50	12.7	14	ATV650U55N4	*3,341.53*
HD	4	5	8	7.2	6.0	50	9.3	14.0		
ND	7.5	10	13.8	11.9	9.9	50	16.5	18.2	ATV650U75N4	*3,497.47*
HD	5.5	7.5	10.5	9.2	7.6	50	12.7	19.1		
ND	11	15	19.8	17	14.1	50	23.5	25.9	ATV650D11N4	*3,841.08*
HD	7.5	10	14.1	12.5	10.4	50	16.5	24.8		
ND	15	20	27	23.3	19.4	50	31.7	34.9	ATV650D15N4	*4,441.77*
HD	11	15	20.6	18.1	15.0	50	23.5	35.3		
ND	18.5	25	33.4	28.9	24	50	39.2	43.1	ATV650D18N4	*5,396.69*
HD	15	20	27.7	24.4	20.3	50	31.7	47.6		
ND	22	30	39.6	34.4	28.6	50	46.3	50.9	ATV650D22N4	*6,195.14*
HD	18.5	25	34.1	29.9	24.9	50	39.2	58.8		
ND	30	40	53.5	45.9	38.2	50	61.5	67.7	ATV650D30N4	*7,922.35*
HD	22	30	40.5	35.8	29.8	50	46.3	69.5		
ND	37	50	66.2	57.3	47.6	50	74.5	82	ATV650D37N4	*8,525.83*
HD	30	40	54.8	48.3	40.2	50	61.5	92.3		
ND	45	60	79.8	69.1	57.4	50	94	96.8	ATV650D45N4	*9,635.55*
HD	37	50	67.1	59.0	49.1	50	74.5	111.8		
ND	55	75	97.2	84.2	70	50	106	116.6	ATV650D55N4	*11,354.31*
HD	45	60	81.4	71.8	59.7	50	88	132.0		
ND	75	100	131.3	112.7	93.7	50	145	159.5	ATV650D75N4	*14,114.71*
HD	55	75	98.9	86.9	72.2	50	106	159.0		
ND	90	125	156.2	135.8	112.9	50	173	190.3	ATV650D90N4	*16,908.58*
HD	75	100	134.3	118.1	98.2	50	145	217.5		

(1) Supplied with cable gland.

(2) These values are given for a nominal switching frequency of 4 kHz, settable from 2 to 12 kHz up to ATV650D45N4/N4E, or 2.5 kHz, settable from 2 to 8 kHz for ATV650D55N4/N4E...D90N4/N4E for use in continuous operation.
Above 2.5 or 4 kHz (depending on the rating), the drive will automatically reduce the switching frequency in the event of an excessive temperature rise. For continuous operation above the nominal switching frequency, derate the nominal drive current (see the derating curves on our website www.schneider-electric.com).

(3) Typical value for the indicated motor power and for the maximum prospective line Isc.

(4) Values given for applications requiring a slight overload (up to 110%).

(5) Values given for applications requiring a significant overload (up to 150%).

Altivar Process ATV600

Three-phase supply voltage: 500...690 V 50/60 Hz

unit price (excl. GST in Singapore Dollars)

1

500...690 V IP 00 drives (1)

Motor			Line supply					Altivar Process			
Power indicated on rating plate (2) ND: Normal Duty (4)			Line current (3)			Apparent power	Maximum prospective line Isc	Max. continuous current (2)	Max. transient current for 60 s	Reference (1)	Price (S$)
HD: Heavy Duty (5)			500V	690V		690					
	500V	690V									
prospective	kW	kW	A	A		kVA	kA	A	A		
With category C3 integrated EMC Filter											
ND	1.5	2	3.4	3.6		4.3	70	3.1	3.4	ATV630U22Y6	*5,781.18*
HD	1.1	1.5	2.6	2.6		3.1	70	2.4	3.6		
ND	2.2	3	4.7	4.8		5.7	70	4.2	4.6	ATV630U30Y6	*5,914.67*
HD	1.5	2.2	3.4	3.6		4.3	70	3.1	4.7		
ND	3	4	6.2	6.1		7.3	70	5.4	5.9	ATV630U40Y6	*5,992.95*
HD	2.2	3	4.7	4.8	2.4	5.7	70	4.2	6.3		
ND	4	5.5	7.9	8		9.6	70	7.2	7.9	ATV630U55Y6	*6,072.26*
HD	3	4	6.2	6.1	2.4	7.3	70	5.4	8.1		
ND	5.5	7.5	10.4	10.5		12.5	70	9.5	10.5	ATV630U75Y6	*6,188.45*
HD	4	5.5	7.9	8	2.4	9.6	70	7.2	10.8		
ND	7.5	11	13.6	14.7		17.6	70	13.5	14.9	ATV630D11Y6	*6,266.73*
HD	5.5	7.5	10.4	10.5	2.4	12.5	70	9.5	14.3		
ND	11	15	18.4	19.2		22.9	70	18	19.8	ATV630D15Y6	*6,420.40*
HD	7.5	11	13.6	14.7	2.4	17.6	70	13.5	20.3		
ND	11	15	23.1	23		27.5	70	24	26.4	ATV630D18Y6	*7,023.88*
HD	7.5	10	18.4	19.2	2.4	22.9	70	18	27		
ND	15	20	27.6	26		31.1	70	29	31.9	ATV630D22Y6	*8,024.01*
HD	11	15	23.2	23	2.4	27.5	70	24	36		
ND	18.5	25	32.1	32.8		39.2	70	34	37.4	ATV630D30Y6	*9,440.57*
HD	15	20	27.6	26	20.3	31.1	70	29	43.5		
ND	22	30	47.2	46.2		55.2	70	45	49.5	ATV630D37Y6	*11,276.13*
HD	18.5	25	37.7	38.5	20.3	46	70	34	51		
ND	37	45	55.6	54.4		65	70	55	60.5	ATV630D45Y6	*12,974.81*
HD	30	37	47.2	46.2	20.3	55.2	70	45	67.5		
ND	45	55	65.5	62.5		74.7	70	66	72.6	ATV630D55Y6	*15,265.73*
HD	37	45	55.6	54.4	20.3	65	70	55	82.5		
ND	55	75	82.7	87.7		104.8	70	83	91.3	ATV630D75Y6	*18,786.07*
HD	45	55	71	68.5	20.3	81.9	70	66	99		
ND	75	90	108.3	99.4		118.8	70	108	118.8	ATV630D90Y6	*21,741.96*
HD	55	75	82.7	87.7	20.3	104.8	70	83	124.5		

ATV630U22Y6

ATV63037Y6

(1) Product supplied as IP 00 for mounting in an enclosure. For IP 20/UL Type1 wall mounting, an adaptation kit should be ordered separately
(2) These values are given for use in continuous operation with a nominal switching frequency between 2.5 kHz (ATV630D37Y6...D90Y6) and 4 kHz (ATV630U22Y6...D30Y6).
The switching frequency is adjustable from 1…4.9 kHz (ATV630D37Y6...D90Y6) to 2…8 kHz (ATV630U22Y6...D30Y6). Above the nominal switching frequency,
the drive will automatically reduce it in the event of an excessive temperature rise. For continuous operation above the nominal switching frequency, nominal drive current should be derated according to the derating curves available on www.schneider-electric.com.
(3) Typical value for the indicated motor power and for the maximum prospective line Isc.
(4) Values given for applications requiring a slight overload (up to 110%).
(5) Values given for applications requiring a significant overload (up to 150%).

Altivar Process ATV900
Supply voltage 380...480V 50/60 Hz

unit price (excl. GST in Singapore Dollars)

IP 21 drives

Three phase supply voltage: 380…480 V 50/60 Hz with integrated category C2 or C3 EMC filter (1)

ATV930D15N4

ATV930D30N4

ATV930D55N4

Motor			Line supply						Reference	Price (S$)
Power indicated on rating plate (2)			Line current (3)		Apparent power	Max. prospective line Isc	Max. continuous current (2)	Max. transient current for 60 s		
ND: Normal duty (4)			380 V	480 V	380 V					
HD: Heavy duty (5)										
	kW	HP	A	A	kVA	kA	A	A		
ND	0.75	1	1.5	1.3	1.1	50	2.2	2.6	ATV930U07N4	*2,367.56*
HD	0.37	0.5	0.9	0.8	0.7	50	1.5	2.3		
ND	1.5	2	3	2.6	2.2	50	4	4.8	ATV930U15N4	*2,441.31*
HD	0.75	1	1.7	1.5	1.2	50	2.2	3.3		
ND	2.2	3	4.3	3.8	3.2	50	5.6	6.7	ATV930U22N4	*2,449.13*
HD	1.5	2	3.1	2.9	2.4	50	4.0	6.0		
ND	3	–	5.8	5.1	4.2	50	7.2	8.6	ATV930U30N4	*2,650.29*
HD	2.2	3	4.5	4	3.3	50	5.6	8.4		
ND	4	5	7.6	6.7	5.6	50	9.3	11.2	ATV930U40N4	*2,716.83*
HD	3	-	6	5.4	4.5	50	7.2	10.8		
ND	5.5	7.5	10.4	9.1	7.6	50	12.7	15.2	ATV930U55N4	*2,872.67*
HD	4	5	8	7.2	6.0	50	9.3	14.0		
ND	7.5	10	13.8	11.9	9.9	50	16.5	19.8	ATV930U75N4	*3,486.24*
HD	5.5	7.5	10.5	9.2	7.6	50	12.7	19.1		
ND	11	15	19.8	17	14.1	50	23.5	28.2	ATV930D11N4	*3,835.51*
HD	7.5	10	14.1	12.5	10.4	50	16.5	24.8		
ND	15	20	27	23.3	19.4	50	31.7	38	ATV930D15N4	*4,568.57*
HD	11	15	20.6	18.1	15.0	50	23.5	35.3		
ND	18.5	25	33.4	28.9	24	50	39.2	47	ATV930D18N4	*5,401.22*
HD	15	20	27.7	24.4	20.3	50	31.7	47.6		
ND	22	30	39.6	34.4	28.6	50	46.3	55.6	ATV930D22N4	*6,945.08*
HD	18.5	25	34.1	29.9	24.9	50	39.2	58.8		
ND	30	40	53.5	45.9	38.2	50	61.5	73.8	ATV930D30N4	*7,061.89*
HD	22	30	40.5	35.8	29.8	50	46.3	69.5		
ND	37	50	66.2	57.3	47.6	50	74.5	89.4	ATV930D37N4	*8,498.43*
HD	30	40	54.8	48.3	40.2	50	61.5	92.3		
ND	45	60	79.8	69.1	57.4	50	88	105.6	ATV930D45N4	*10,124.49*
HD	37	50	67.1	59.0	49.1	50	74.5	111.8		
ND	55	75	97.2	84.2	70	50	106	127.2	ATV930D55N4	*13,365.90*
HD	45	60	81.4	71.8	59.7	50	88	132.0		
ND	75	100	131.3	112.7	93.7	50	145	174	ATV930D75N4	*14,338.22*
HD	55	75	98.9	86.9	72.2	50	106	159.0		
ND	90	125	156.2	135.8	112.9	50	173	207.6	ATV930D90N4	*17,115.30*
HD	75	100	134.3	118.1	98.2	50	145	217.5		

(1) Category C2 EMC filter for ATV930U07N4...D45N4. Category C3 EMC filter above ATV930D45N4.

(2) These values are given for an adjustable nominal switching frequency of 4 kHz for ATV930U07N4...ATV930D45N4 or 2.5 kHz for ATV930D55N4...D90N4, for use in continuous operation.
Above 2.5 or 4 kHz (depending on the rating), the drive will automatically reduce the switching frequency in the event of an excessive temperature rise. For continuous operation above the nominal switching frequency, derate the nominal drive current (see derating curves on our website www.schneider-electric.com).

(3) Typical value for the indicated motor power and for the prospective line Isc.

(4) Values given for applications requiring a slight overload (up to 120%).

(5) Values given for applications requiring a significant overload (up to 150%).

Altivar Process ATV900

Supply voltage 380...480V 50/60 Hz

unit price (excl. GST in Singapore Dollars)

1

IP 55 drives

Three phase supply voltage: 380…480 V 50/60 Hz with integrated category C2 or C3 EMC filter (1)

ATV950U15N4

ATV950U30N4

ATV950D55N4

Motor			Line supply						Reference	Price (S$)
Power indicated on rating plate (2)			Line current (3)		Apparent power	Max. prospective line Isc	Max. continuous current (2)	Max. transient current for 60 s		
ND: Normal duty (4) HD: Heavy duty (5)			380 V	480 V	380 V					
	kW	HP	A	A	kVA	kA	A	A		
ND	0.75	1	1.5	1.3	1.1	50	2.2	2.6	ATV950U07N4	*3,064.35*
HD	0.37	0.5	0.9	0.8	0.7	50	1.5	2.3		
ND	1.5	2	3	2.6	2.2	50	4	4.8	ATV950U15N4	*3,064.35*
HD	0.75	1	1.7	1.5	1.2	50	2.2	3.3		
ND	2.2	3	4.3	3.8	3.2	50	5.6	6.7	ATV950U22N4	*3,096.18*
HD	1.5	2	3.1	2.9	2.4	50	4.0	6.0		
ND	3	–	5.8	5.1	4.2	50	7.2	8.6	ATV950U30N4	*3,562.77*
HD	2.2	3	4.5	4	3.3	50	5.6	8.4		
ND	4	5	7.6	6.7	5.6	50	9.3	11.2	ATV950U40N4	*3,666.70*
HD	3	-	6	5.4	4.5	50	7.2	10.8		
ND	5.5	7.5	10.4	9.1	7.6	50	12.7	15.2	ATV950U55N4	*4,257.40*
HD	4	5	8	7.2	6.0	50	9.3	14.0		
ND	7.5	10	13.8	11.9	9.9	50	16.5	19.8	ATV950U75N4	*5,099.43*
HD	5.5	7.5	10.5	9.2	7.6	50	12.7	19.1		
ND	11	15	19.8	17	14.1	50	23.5	28.2	ATV950D11N4	*5,303.99*
HD	7.5	10	14.1	12.5	10.4	50	16.5	24.8		
ND	15	20	27	23.3	19.4	50	31.7	38	ATV950D15N4	*5,522.45*
HD	11	15	20.6	18.1	15.0	50	23.5	35.3		
ND	18.5	25	33.4	28.9	24	50	39.2	47	ATV950D18N4	*6,520.93*
HD	15	20	27.7	24.4	20.3	50	31.7	47.6		
ND	22	30	39.6	34.4	28.6	50	46.3	55.6	ATV950D22N4	*7,687.10*
HD	18.5	25	34.1	29.9	24.9	50	39.2	58.8		
ND	30	40	53.5	45.9	38.2	50	61.5	73.8	ATV950D30N4	*9,093.05*
HD	22	30	40.5	35.8	29.8	50	46.3	69.5		
ND	37	50	66.2	57.3	47.6	50	74.5	89.4	ATV950D37N4	*10,710.66*
HD	30	40	54.8	48.3	40.2	50	61.5	92.3		
ND	45	60	79.8	69.1	57.4	50	88	105.6	ATV950D45N4	*11,974.57*
HD	37	50	67.1	59.0	49.1	50	74.5	111.8		
ND	55	75	97.2	84.2	70	50	106	127.2	ATV950D55N4	*14,226.46*
HD	45	60	81.4	71.8	59.7	50	88	152		
ND	75	100	131.3	112.7	93.7	50	145	174	ATV950D75N4	*17,003.55*
HD	55	75	98.9	86.9	72.2	50	106	159.0		
ND	90	125	156.2	135.8	112.9	50	173	207.6	ATV950D90N4	*21,546.36*
HD	75	100	134.3	118.1	98.2	50	145	217.5		

(1) Category C2 EMC filter for ATV950U07N4...D45N4. Category C3 EMC filter above ATV950D45N4.

(2) These values are given for an adjustable nominal switching frequency of 4 kHz for ATV950D45N4 or 2.5 kHz for ATV950D55N4...D90N4, for use in continuous operation.
Above 2.5 or 4 kHz (depending on the rating), the drive will automatically reduce the switching frequency in the event of an excessive temperature rise. For continuous operation above the nominal switching frequency, derate the nominal drive current (see derating curves on our website www.schneider-electric.com).

(3) Typical value for the indicated motor power and for the prospective line Isc.

(4) Values given for applications requiring a slight overload (up to 120%).

(5) Values given for applications requiring a significant overload (up to 150%).

Altivar Process ATV900

Three-phase supply voltage: 500...690 V 50/60 Hz

unit price (excl. GST in Singapore Dollars)

ATV930D11Y6

ATV930D90Y6

500 … 690 V IP 00 drives *(1)*

Motor			Line supply				Altivar process			
Power indicated on rating plate *(2)*			Line current *(3)*		Apparent power	Maximum Prospective line Isc	Maximum continuous current *(2)*	Maximum transient current for 60s	Reference	Price (S$)
ND :	Normal duty *(4)*		500V	690V	690V					
HD :	Heavy duty *(5)*									
	500V	690V								
	kW	kW	A	A	kVa	kA	A	A		
With category C3 integrated EMC Filter										
ND	1.5	2.2	3.4	3.6	4.3	70	3.1	3.7	ATV930U22Y6	*6,208.63*
HD	1.1	1.5	2.6	2.6	3.1	70	2.4	3.6		
ND	2.2	3	4.7	4.8	5.7	70	4.2	5	ATV930U30Y6	*6,291.34*
HD	1.5	2.2	3.4	3.6	4.3	70	3.1	4.7		
ND	3	4	6.2	6.1	7.3	70	5.4	6.5	ATV930U40Y6	*6,375.08*
HD	2.2	3	4.7	4.8	5.7	70	4.2	6.3		
ND	4	5.5	7.9	8	9.6	70	7.2	8.6	ATV930U55Y6	*6,460.06*
HD	3	4	6.2	6.1	7.3	70	5.4	8.1		
ND	5.5	7.5	10.4	10.5	12.5	70	9.5	11.4	ATV930U75Y6	*6,582.94*
HD	4	5.5	7.9	8	9.6	70	7.2	10.8		
ND	7.5	11	13.6	14.7	17.6	70	13.5	16.2	ATV930D11Y6	*6,747.84*
HD	5.5	7.5	10.4	10.5	12.5	70	9.5	14.3		
ND	11	15	18.4	19.2	22.9	70	18	21.6	ATV930D15Y6	*6,882.46*
HD	7.5	11	13.6	14.7	17.6	70	13.5	20.3		
ND	15	18.5	23.1	23	27.5	70	24	28.8	ATV930D18Y6	*7,116.06*
HD	11	15	18.4	19.2	22.9	70	18	27		
ND	18.5	22	27.6	26	31.1	70	29	34.8	ATV930D22Y6	*8,130.20*
HD	15	18.5	23,2	23	27.5	70	24	36		
ND	22	30	32.1	32.8	39.2	70	34	40.8	ATV930D30Y6	*9,564.07*
HD	18.5	22	27.6	26	31.1	70	29	43.5		
ND	30	37	47.2	46.2	55.2	70	45	54	ATV930D37Y6	*11,427.03*
HD	22	30	37.7	38.5	46	70	34	51		
ND	37	45	55.6	54.4	65	70	55	66	ATV930D45Y6	*13,148.05*
HD	30	37	47.2	46.2	55.2	70	45	67.5		
ND	45	55	66.5	62.5	74.7	70	66	79.2	ATV930D55N4	*13,365.90*
HD	37	45	55.6	54.4	65	70	55	82.5		
ND	55	75	82.7	87.7	104.8	70	83	99.6	ATV930D75Y6	*19,031.93*
HD	45	55	71	68.5	81.9	70	66	99		
ND	75	90	108.3	99.4	118.8	70	108	129.6	ATV930D90Y6	*22,032.52*
HD	55	75	82.7	87.7	104.8	70	83	124.5		

(1) Product supplied as IP 00 for mounting in an enclosure. For IP 20/UL Type1 wall mounting, an adaptation kit should be ordered separately.

(2) These values are given for use in continuous operation with a nominal switching frequency between 2.5 kHz (ATV930D37Y6...D90Y6) and 4 kHz (ATV930U22Y6...D30Y6). The switching frequency is adjustable from 1…4.9 kHz (ATV930D37Y6...D90Y6) to 2…8 kHz (ATV930U22Y6...D30Y6).

Above the nominal switching frequency, the drive will automatically reduce it in the event of an excessive temperature rise.

For continuous operation above the nominal switching frequency, nominal drive current should be derated according to the derating curves available on www.schneider-electric.com.

(3) Typical value for the indicated motor power and for the maximum prospective line Isc.

(4) Values given for applications requiring a slight overload (up to 110%).

(5) Values given for applications requiring a significant overload (up to 150%).

1

unit price (excl. GST in Singapore Dollars)

Graphic display terminal

Description	Reference	Price (S$)
Graphic display terminal (this display terminal can be supplied with the drive or ordered separately)	VW3A1111	*273.88*

Description	Length m	Degree of protection	Reference	Price (S$)
Remote mounting kit		IP 65	VW3A1112	*95.58*
Tightening tool			ZB5AZ905	*28.33*
Remote cables	1		VW3A1104R10	*40.27*
Equipped with 2 RJ45	3		VW3A1104R30	*54.80*
connectors	5		VW3A1104R50	*67.05*
	10		VW3A1104R100	*83.33*

I/O extension cards

VW3A3203

Description	I/O type				Reference	Price (S$)
	Logic Inputs	Logic Outputs	Analog Inputs	Relay Outputs		
Logic I/O card	6	2	2 (2)	-	VW3A3203	*360.50*
Relay output card	-	-	-	3 (3)	VW3A3204	*278.31*

(2) Differential analog inputs configurable via software as current (0-20 mA/4-20 mA) or probe (PTC, PT100, or 2-wire or 3-wire PT1000) inputs. When configured as PTC probe inputs, they must never be used to protect an ATEX motor in applications in explosive atmospheres. Please refer to the ATEX guide on our website www.schneider-electric.com.
(3) NO contacts

EtherNet/IP and Modbus TCP networks (*)

VW3A3720

Description	I/O type				Reference	Price (S$)
	Logic Inputs	Logic Outputs	Analog Inputs	Relay Outputs		
Logic I/O card	6	2	2 (2)	-	VW3A3720	*400.16*

(*) Altivar Process drives can only take one communication card.

Additional EMC input filters

3-phase supply voltage: 380...480 V 50 Hz

For drives	Maximum length of shielded cable (1)		In (2)	If	Reference (4)	Price (S$)
	IEC/EN 61800-3 category C2 (3)	IEC/EN 61800-3 category C2 (3)				
	m	m	A	mA		
ATV630U07N4...U22N4 ATV650U07N4...U22N4	150	300	8	3.98	VW3A4701	*770.03*
ATV630U30N4...U55N4 ATV650U30N4...U55N4	150	300	15	3.98	VW3A4702	*1,025.37*
ATV630U75N4...D15N4 ATV650U75N4...D15N4	150	300	35	7.60	VW3A4703	*1,438.29*
ATV630D18N4...D22N4 ATV650D18N4...D22N4	150	300	50	7.60	VW3A4704	*1,833.40*
ATV630D30N4 ATV650D30N4	150	300	70	3.98	VW3A4705	*2,493.32*
ATV630D37N4...D45N4 ATV650D37N4...D45N4	150	300	100	3.98	VW3A4706	*2,785.53*
ATV630D55N4 ATV650D55N4	150	300	70	13.9	VW3A4707	*2,757.00*
ATV630D75N4...D90N4 ATV650D75N4...D90N4	150	300	100	13.9	VW3A4708	*4,863.04*
ATV630C11N4...C13N4	150	300			VW3A4709	*5,077.08*
ATV630C16N4	150	300			VW3A4710	*5,899.02*

(1) The maximum lengths are given as examples only as they vary depending on the stray capacitance of the motors and the cables used. If motors are connected in parallel, it is the total length of all cables that should be taken into account.
(2) Nominal filter current.
(3) Values given depend on the nominal switching frequency of the drive. This frequency depends on the drive rating.
(4) When used with ATV650U07N4/N4E...D90N4/N4E drives, the filter must be mounted in a separate enclosure to maintain IP 55 protection for the installation.

Passive filters
Altivar Process ATV600 and ATV900

unit price (excl. GST in Singapore Dollars)

Passive filter: 3-phase power supply 400V 50Hz

ATV650D15N4

For ATV Process drives	Filter Nominal Current Input	Output	Quantity per Drive	Reference (1)	Price (S$)
	A	A			
THDI <10%					
ATV630D11N4 ATV650D11N4 ATV930D11N4 ATV950D11N4	22	23	1	VW3A46104	*4,256.78*
ATV630D15N4 ATV650D15N4 ATV930D15N4 ATV950D15N4	29	30	1	VW3A46105	*5,635.34*
ATV630D22N4 ATV650D22N4 ATV930D22N4 ATV950D22N4	43	45	1	VW3A46107	*11,168.81*
ATV630D30N4 ATV650D30N4 ATV930D30N4 ATV950D30N4	58	60	1	VW3A46108	*9,026.51*
ATV630D45N4 ATV650D45N4 ATV930D45N4 ATV950D45N4	86	90	1	VW3A46110	*12,689.81*
ATV630D55N4 ATV650D55N4 ATV930D55N4 ATV950D55N4	101	105	1	VW3A46111	*12,533.35*
ATV630D75N4 ATV650D75N4 ATV930D75N4 ATV950D75N4	144	150	1	VW3A46112	*13,337.99*
ATV630D90N4 ATV650D90N4 ATV930D90N4 ATV950D90N4	180	187	1	VW3A46113	*17,422.66*
ATV630C16N4 ATV930C16N4C	304	316	1	VW3A46116	*24,748.22*

(1) When used with ATV650U07N4...D90N4 drives, the filter must be mounted in a separate enclosure to maintain IP 55 protection for the installation.

1

unit price (excl. GST in Singapore Dollars)

Passive filter: 3-phase power supply 400V 50Hz

ATV930U75N4

For ATV Process drives	Filter Nominal Current Input A	Output A	Quantity per Drive	Reference (1)	Price (S$)
THDI <5%					
ATV630U07N4…U30N4 ATV650U07N4…U30N4 ATV930U07N4…U30N4 ATV950U07N4…U30N4	6	6.2	1	VW3A46120	*4,609.35*
ATV630U40N4…U55N4 ATV650U40N4…U55N4 ATV930U40N4…U55N4 ATV950U40N4…U55N4	10	10.4	1	VW3A46121	*5,418.52*
ATV630U75N4 ATV650U75N4 ATV930U75N4 ATV950U75N4	14	14.5	1	VW3A46122	*6,038.17*
ATV630D11N4 ATV650D11N4 ATV930D11N4 ATV950D11N4	22	23	1	VW3A46123	*6,556.16*
ATV630D15N4 ATV650D15N4 ATV930D15N4 ATV950D15N4	29	30	1	VW3A46124	*7,575.34*
ATV630D18N4 ATV650D18N4 ATV930D18N4 ATV950D18N4	35	37	1	VW3A46125	*8,630.89*
ATV630D22N4 ATV650D22N4 ATV930D22N4 ATV950D22N4	43	45	1	VW3A46126	*10,325.65*
ATV630D30N4 ATV650D30N4 ATV930D30N4 ATV950D30N4	58	60	1	VW3A46127	*11,734.28*
ATV630D37N4 ATV650D37N4 ATV930D37N4 ATV950D37N4	72	75	1	VW3A46128	*13,472.09*
ATV630D45N4 ATV650D45N4 ATV930D45N4 ATV950D45N4	86	90	1	VW3A46129	*14,477.89*
ATV630D55N4 ATV650D55N4 ATV930D55N4 ATV950D55N4	101	105	1	VW3A46130	*16,472.69*
ATV630D75N4 ATV650D75N4 ATV930D75N4 ATV950D75N4	144	150	1	VW3A46131	*21,177.62*
ATV630D90N4 ATV650D90N4 ATV930D90N4 ATV950D90N4	180	187	1	VW3A46132	*23,653.02*
ATV630C11N4 ATV930C11N4C	217	225	1	VW3A46133	*26,575.34*
ATV630C13N4 ATV930C13N4C	252	262	1	VW3A46134	*28,056.17*
ATV630C16N4 ATV930C16N4C	304	316	1	VW3A46135	*30,280.04*

(1) When used with ATV650U07N4...D90N4 drives, the filter must be mounted in a separate enclosure to maintain IP 55 protection for the installation.

Output filters
Option: dv/dt filters, Sinus filters

unit price (excl. GST in Singapore Dollars)

dv/dt output filters

3-phase supply voltage: 380...480 V

VW3A5304

For drives	Maximum length of motor cable		Nominal Current	Degree of Protection	Reference (3)	Price (S$)
	Maximum switching frequency (1)	Shielded cable (2)				
	kHz	m/ft	A	IP		
ATV630U07N4...U22N4 ATV650U07N4...U22N4 ATV650U07N4E...U22N4E	4	300/984	6	20	VW3A5301	*1,043.80*
ATV630U30N4...U55N4 ATV650U30N4...U55N4 ATV650U30N4E...U55N4E	4	300/984	15	20	VW3A5302	*1,373.51*
ATV630U75N4...D11N4 ATV650U75N4...D11N4 ATV650U75N4E...D11N4E	4	300/984	25	20	VW3A5303	*1,478.05*
ATV630D15N4...D22N4 ATV650D15N4...D22N4 ATV650D15N4E...D22N4E	4	300/984	50	20	VW3A5304	*1,893.76*
ATV630D30N4...D45N4 ATV650D30N4...D45N4 ATV650D30N4E...D45N4E	4	300/984	95	20	VW3A5305	*2,993.39*
ATV630D55N4...D90N4 ATV650D55N4...D90N4 ATV650D55N4E...D90N4E	2.5	300/984	180	00	VW3A5306	*2,789.45*
ATV630C11N4...C16N4	2.5	300/984	305	00	VW3A5307	*3,558.34*

(1) The filters are designed to operate in a switching frequency range of between 2 and 8 kHz.

(2) Values given depend on the nominal switching frequency of the drive. This frequency depends on the drive rating. These cable lengths are given as examples only as they can vary depending on the application. They correspond to motors conforming to IEC 6034-25 and NEMA MG1/31.2006.

(3) When used with ATV650U07/N4E...D90/N4E drives, the filter must be mounted in a separate enclosure to maintain IP 55 protection for the installation.

Sinus filters

3-phase supply voltage: 380...480 V

VW3A5404

For drives	Nominal current	Degree of Protection	Reference (4)(5)	Price (S$)
	A	IP		
ATV630U07N4...U22N4 ATV650U07N4...U22N4 ATV650U07N4E...U22N4E (2)	6	20	VW3A5401	*1,385.76*
ATV630U30N4...U55N4 ATV650U30N4...U55N4 ATV650U30N4E...U55N4E (2)	15	20	VW3A5402	*1,928.98*
ATV630U07N4...D11N4 ATV650U07N4...D11N4 ATV650U07N4E...D11N4E (2)	25	20	VW3A5403	*2,436.88*
ATV630D15N4...D22N4 ATV650D15N4...D22N4 ATV650D15N4E...D22N4E (2)	50	20	VW3A5404	*4,214.86*
ATV630D30N4...D45N4 ATV650D30N4...D45N4 ATV650D30N4E...D45N4E (2)	95	20	VW3A5405	*7,556.39*
ATV630D55N4...D90N4 ATV650D55N4...D90N4 ATV650D55N4E...D90N4E (2)	180	00	VW3A5406	*10,623.52*
ATV630C11N4...C16N4	305	00	VW3A5407	*16,724.21*

(1) The filters are designed to operate in a switching frequency range of between 4 and 8 kHz.

(2) When used with ATV650U07N4/N4E...D90N4/N4E drives, the filter must be mounted in a separate enclosure to maintain IP 55 protection for the installation.

Output filters
Option: Communication modules

unit price (excl. GST in Singapore Dollars)

VW3A3627

PROFINET bus (1)

Description	Reference	Price (S$)
Fieldbus module		
PROFINET module equipped with 2 RJ45 connectors	VW3A3627	*540.34*

VW3A3607

PROFIBUS DP V1 bus (1)

Description	Reference	Price (S$)
Fieldbus module		
PROFIBUS DP V1 module Port: 1 x 9-way female SUB-D connector Conforming to PROFIBUS DP V1 Profiles supported: • CiA 402 drive • Profidrive Offers several message har ATV 71 drive.	VW3A3607	*404.58*
SUB-D connection		
IP 20 straight connectors (2) for Profibus module	LU9AD7	*POR*

VW3A3601

EtherCAT bus (1)

Description	Reference	Price (S$)
Fieldbus module		
EtherCAT module equipped with 2 RJ45 connectors	VW3A3601	*573.40*

VW3A3609

DeviceNet bus (1)

Description	Reference	Price (S$)
Fieldbus module		
DeviceNet module Port: 1 removable 5-way screw connector Profiles supported: bb CIP AC DRIVE bb CiA 402 drive	VW3A3609	*1,560.76*

(1) Altivar Process drives can only take one fieldbus module..
option and accessory combinations (see catalogue).
(2) Only straight connectors are compatible with Altivar Process drives

unit price (excl. GST in Singapore Dollars)

Power specifications for output voltage 2.4 kV, 9 power cells, 18 input pulses

Transformer rating (1) ND: Normal Duty (4) HD: Heavy Duty (5)	Maximum motor shaft power(2)			Nominal continuous current	Reference (1)	Price (S$)
	KVA	KW	HP	A		
ND	200	160	214	46	ATV6000D200A2424	*POR*
HD	200	150	201	44		
ND	280	220	295	65	ATV6000D280A2424	*POR*
HD	280	180	241	52		
ND	350	280	375	80.6	ATV6000D350A2424	*POR*
HD	350	260	348	77		
ND	430	340	455	100	ATV6000D430A2424	*POR*
HD	430	270	362	80		
ND	570	450	603	130	ATV6000D570A2424	*POR*
HD	570	410	540	120		
ND	650	520	697	150	ATV6000D650A2424	*POR*
HD	650	410	549	120		
ND	790	630	844	181	ATV6000D790A2424	*POR*
HD	790	550	737	160		
ND	950	760	1019	220	ATV6000D950A2424	*POR*
HD	950	610	818	176		
ND	1220	970	1300	280	ATV6000C122A2424	*POR*
HD	1220	770	1032	224		
ND	1390	1100	1475	280	ATV6000C139A2424	*POR*
HD	1390	880	1180	224		
ND	1630	1390	1743	374	ATV6000C163A2424	*POR*
HD	1630	1130	1515	328		
ND	1780	1420	1904	410	ATV6000C178A2424	*POR*
HD	1780	1130	1515	328		
ND	2000	1600	2145	460	ATV6000C200A2424	*POR*
HD	2000	1360	1823	392		
ND	2130	1700	2279	490	ATV6000C213A2424	*POR*
HD	2130	1360	1823	392		

(1) For higher drive power please contact Schneider Electric.
(2) Values valid for synchronous motor and asynchronous motor. The specifications for the maximum motor shaft power is based on a motor efficiency of 95%, and power factor 0.88.
(3) Please contact Schneider Electric for other combinations of input and output voltage.

Output filters
Option: Communication modules

unit price (excl. GST in Singapore Dollars)

VW3A3627

PROFINET bus (1)

Description	Reference	Price (S$)
Fieldbus module		
PROFINET module equipped with 2 RJ45 connectors	VW3A3627	*540.34*

VW3A3607

PROFIBUS DP V1 bus (1)

Description	Reference	Price (S$)
Fieldbus module		
PROFIBUS DP V1 module Port: 1 x 9-way female SUB-D connector Conforming to PROFIBUS DP V1 Profiles supported: • CiA 402 drive • Profidrive Offers several message har ATV 71 drive.	VW3A3607	*404.58*
SUB-D connection		
IP 20 straight connectors (2) for Profibus module	LU9AD7	*POR*

VW3A3601

EtherCAT bus (1)

Description	Reference	Price (S$)
Fieldbus module		
EtherCAT module equipped with 2 RJ45 connectors	VW3A3601	*573.40*

VW3A3609

DeviceNet bus (1)

Description	Reference	Price (S$)
Fieldbus module		
DeviceNet module Port: 1 removable 5-way screw connector Profiles supported: bb CIP AC DRIVE bb CiA 402 drive	VW3A3609	*1,560.76*

(1) Altivar Process drives can only take one fieldbus module..
option and accessory combinations (see catalogue).
(2) Only straight connectors are compatible with Altivar Process drives

unit price (excl. GST in Singapore Dollars)

Power specifications for output voltage 2.4 kV, 9 power cells, 18 input pulses

Transformer rating (1) ND: Normal Duty (4) HD: Heavy Duty (5)	Maximum motor shaft power(2)			Nominal continuous current	Reference (1)	Price (S
	KVA	KW	HP	A		
ND	200	160	214	46	ATV6000D200A2424	*POR*
HD	200	150	201	44		
ND	280	220	295	65	ATV6000D280A2424	*POR*
HD	280	180	241	52		
ND	350	280	375	80.6	ATV6000D350A2424	*POR*
HD	350	260	348	77		
ND	430	340	455	100	ATV6000D430A2424	*POR*
HD	430	270	362	80		
ND	570	450	603	130	ATV6000D570A2424	*POR*
HD	570	410	540	120		
ND	650	520	697	150	ATV6000D650A2424	*POR*
HD	650	410	549	120		
ND	790	630	844	181	ATV6000D790A2424	*POR*
HD	790	550	737	160		
ND	950	760	1019	220	ATV6000D950A2424	*POR*
HD	950	610	818	176		
ND	1220	970	1300	280	ATV6000C122A2424	*POR*
HD	1220	770	1032	224		
ND	1390	1100	1475	280	ATV6000C139A2424	*POR*
HD	1390	880	1180	224		
ND	1630	1390	1743	374	ATV6000C163A2424	*POR*
HD	1630	1130	1515	328		
ND	1780	1420	1904	410	ATV6000C178A2424	*POR*
HD	1780	1130	1515	328		
ND	2000	1600	2145	460	ATV6000C200A2424	*POR*
HD	2000	1360	1823	392		
ND	2130	1700	2279	490	ATV6000C213A2424	*POR*
HD	2130	1360	1823	392		

(1) For higher drive power please contact Schneider Electric.
(2) Values valid for synchronous motor and asynchronous motor. The specifications for the maximum motor shaft power is based on a motor efficiency of 95%, and power factor 0.88.
(3) Please contact Schneider Electric for other combinations of input and output voltage.

unit price (excl. GST in Singapore Dollars)

1

Power specifications for output voltage 2.4 kV, 6 power cells, 12 input pulses,

ND: Normal Duty (4) HD: Heavy Duty (5)		shaft power(2)		continuous current		
	KVA	KW	HP	A		
ND	188	150	201	43	ATV6100D188A2424	*POR*
HD	188	120	160	34		
ND	213	170	228	49	ATV6100D213A2424	*POR*
HD	213	139	186	40		
ND	250	200	268	58	ATV6100D250A2424	*POR*
HD	250	181	242	52		
ND	281	225	302	65	ATV6100D281A2424	*POR*
HD	281	181	242	52		
ND	300	240	322	69	ATV6100D300A2424	*POR*
HD	300	195	261	56		
ND	344	275	369	79	ATV6100D344A2424	*POR*
HD	344	222	298	64		
ND	410	330	442	95	ATV6100D410A2424	*POR*
HD	410	264	354	76		
ND	450	360	482	104	ATV6100D450A2424	*POR*
HD	500	320	428	92		
ND	500	400	536	115	ATV6100D500A2424	*POR*
HD	540	320	428	92		
ND	540	430	576	124	ATV6100D540A2424	*POR*
HD	610	348	466	100		
ND	610	487	653	140	ATV6100D610A2424	*POR*
HD	690	389	522	112		
ND	690	550	737	158	ATV6100D690A2424	*POR*
HD	800	514	689	148		
ND	800	640	858	184	ATV6100D800A2424	*POR*
HD	910	514	689	148		
ND	910	730	978	210	ATV6100D910A2424	*POR*
HD	1020	584	782	168		
ND	1020	815	1092	235	ATV6100C102A2424	*POR*
HD	1020	653	875	188		
ND	1040	830	1112	239	ATV6100C104A2424	*POR*
HD	1040	667	894	192		
ND	1210	970	1300	279	ATV6100C121A2424	*POR*
HD	1210	778	1043	224		
ND	1410	1130	1514	325	ATV6100C141A2424	*POR*
HD	1410	904	1211	260		
ND	1610	1285	1722	370	ATV6100C161A2424	*POR*
HD	1610	1029	1378	296		
ND	1710	1370	1836	394	ATV6100C171A2424	*POR*
HD	1710	1098	1472	316		
ND	2020	1615	2164	465	ATV6100C202A2424	*POR*

(1) For higher drive power please contact Schneider Electric.
(2) Values valid for synchronous motor and asynchronous motor. The specifications for the maximum motor shaft power is based on a motor efficiency of 95%, and power factor 0.88.
(3) Please contact Schneider Electric for other combinations of input and output voltage.

Altivar Process ATV6000
critical process and high-power applications

unit price (excl. GST in Singapore Dollars)

9 power cells, 18 input pulses

Transformer rating (1) ND: Normal Duty (4) HD: Heavy Duty (5)		Maximum motor shaft power(2)		Nominal continuous current	Reference (1)	Price (S$)
	KVA	KW	HP	A		
ND	250	200	268	42	ATV6100D250A3333	*POR*
HD	250	164	220	34		
ND	300	240	322	50	ATV6100D300A3333	*POR*
HD	300	191	256	40		
ND	338	270	362	57	ATV6100D338A3333	*POR*
HD	338	248	333	52		
ND	388	310	415	65	ATV6100D388A3333	*POR*
HD	388	248	333	52		
ND	413	330	442	69	ATV6100D413A3333	*POR*
HD	413	268	359	56		
ND	475	380	509	80	ATV6100D475A3333	*POR*
HD	475	306	410	64		
ND	560	450	603	94	ATV6100D560A3333	*POR*
HD	560	363	487	76		
ND	630	500	670	105	ATV6100D630A3333	*POR*
HD	630	440	589	92		
ND	690	550	737	115	ATV6100D690A3333	*POR*
HD	690	440	589	92		
ND	740	595	797	125	ATV6100D740A3333	*POR*
HD	740	478	640	100		
ND	840	670	898	140	ATV6100D840A3333	*POR*
HD	840	535	717	112		
ND	960	770	1032	161	ATV6100D960A3333	*POR*
HD	960	707	948	148		
ND	1100	880	1179	184	ATV6100C110A3333	*POR*
HD	1100	707	948	148		
ND	1250	1000	1340	209	ATV6100C125A3333	*POR*
HD	1250	803	1076	168		
ND	1400	1120	1501	234	ATV6100C140A3333	*POR*
HD	1400	898	1204	188		
ND	1430	1145	1534	240	ATV6100C143A3333	*POR*
HD	1430	917	1229	192		
ND	1660	1330	1782	278	ATV6100C166A3333	*POR*
HD	1660	1070	1434	224		
ND	1940	1550	2077	324	ATV6100C194A3333	*POR*
HD	1940	1242	1665	260		
ND	2210	1765	2365	369	ATV6100C221A3333	*POR*
HD	2210	1414	1895	296		
ND	2360	1885	2526	394	ATV6100C236A3333	*POR*
HD	2360	1510	2023	316		
ND	2780	2220	2975	465	ATV6100C278A3333	*POR*
HD	2780	1778	2382	372		
ND	3040	2435	3263	510	ATV6100C304A3333	*POR*
HD	3040	1950	2612	408		
ND	3340	2675	3585	560	ATV6100C334A3333	*POR*
HD	3340	2141	2869	448		

'1) For higher drive power please contact Schneider Electric.
'2) Values valid for synchronous motor and asynchronous motor. The specifications for the maximum motor shaft power is based on a motor efficiency of 95%, and power factor 0.88.
'3) Please contact Schneider Electric for other combinations of input and output voltage.

1

unit price (excl. GST in Singapore Dollars)

12 power cells, 24 input pulses

Transformer rating (1) ND: Normal Duty (4) HD: Heavy Duty (5)	Maximum motor shaft power(2)			Nominal continuous current	Reference (1)	Price (S$)
	KVA	KW	HP	A		
ND	313	250	335	42	ATV6100D313A2424	*POR*
HD	313	207	278	34		
ND	375	300	402	50	ATV6100D375A2424	*POR*
HD	375	241	323	40		
ND	438	350	469	58	ATV6100D438A2424	*POR*
HD	438	313	420	52		
ND	488	390	523	65	ATV6100D488A2424	*POR*
HD	488	313	420	52		
ND	525	420	563	70	ATV6100D525A2424	*POR*
HD	525	337	452	56		
ND	600	480	643	80	ATV6100D600A2424	*POR*
HD	600	386	517	64		
ND	710	570	764	95	ATV6100D710A2424	*POR*
HD	710	458	764	76		
ND	790	630	764	105	ATV6100D790A2424	*POR*
HD	790	554	764	92		
ND	860	690	764	115	ATV6100D860A2424	*POR*
HD	860	554	764	92		
ND	940	750	764	125	ATV6100D940A2424	*POR*
HD	940	602	764	100		
ND	1050	840	764	139	ATV6100C105A2424	*POR*
HD	1050	675	764	112		
ND	1210	970	764	161	ATV6100C121A2424	*POR*
HD	1210	892	764	148		
ND	1390	1110	764	184	ATV6100C139A2424	*POR*
HD	1390	892	764	148		
ND	1580	1260	764	209	ATV6100C158A2424	*POR*
HD	1580	1012	764	168		
ND	1760	1410	764	234	ATV6100C176A2424	*POR*
HD	1760	1132	764	188		
ND	1800	1440	764	239	ATV6100C180A2424	*POR*
HD	1800	1157	764	192		
ND	2110	1685	764	280	ATV6100C211A2424	*POR*
HD	2110	1349	764	224		
ND	2450	1960	764	325	ATV6100C245A2424	*POR*
HD	2450	1566	764	260		
ND	2790	2230	764	370	ATV6100C279A2424	*POR*
HD	2790	1783	764	296		
ND	2980	2380	764	395	ATV6100C298A2424	*POR*
HD	2980	1903	764	316		
ND	3500	2800	764	465	ATV6100C350A2424	*POR*
HD	3500	2241	764	372		
ND	3840	3070	764	510	ATV6100C384A2424	*POR*
HD	3840	2458	764	408		
ND	4210	3370	764	559	ATV6100C421A2424	*POR*
HD	4210	2699	764	448		

(1) For higher drive power please contact Schneider Electric.
(2) Values valid for synchronous motor and asynchronous motor. The specifications for the maximum motor shaft power is based on a motor efficiency of 95%, and power factor 0.88.
(3) Please contact Schneider Electric for other combinations of input and output voltage.

Altivar Process ATV6100
critical process and high-power applications

unit price (excl. GST in Singapore Dollars)

12 power cells, 24 input pulses

Transformer rating (1) ND: Normal Duty (4) HD: Heavy Duty (5)		Maximum motor shaft power(2)		Nominal continuous current	Reference (1)	Price (S$)
	KVA	KW	HP	A		
ND	445	356	477	41	ATV6100D445A6060	*POR*
HD	445	299	400	34		
ND	500	400	536	46	ATV6100D500A6060	*POR*
HD	500	348	466	40		
ND	600	452	643	55	ATV6100D600A6060	*POR*
HD	600	560	605	52		
ND	700	452	750	64	ATV6100D700A6060	*POR*
HD	700	608	605	52		
ND	760	487	815	70	ATV6100D760A6060	*POR*
HD	760	696	652	56		
ND	870	556	933	80	ATV6100D870A6060	*POR*
HD	870	800	745	64		
ND	1000	660	1072	92	ATV6100C100A6060	*POR*
HD	1000	904	885	76		
ND	1130	799	1211	104	ATV6100C113A6060	*POR*
HD	1130	1000	1071	92		
ND	1250	799	1340	115	ATV6100C125A6060	*POR*
HD	1250	1088	1071	92		
ND	1360	869	1458	125	ATV6100C136A6060	*POR*
HD	1360	1120	1164	100		
ND	1400	1120	1501	129	ATV6100C140A6060	*POR*
HD	1400	973	1304	112		
ND	1750	1400	1876	161	ATV6100C175A6060	*POR*
HD	1750	1286	1723	148		
ND	2000	1600	2144	184	ATV6100C200A6060	*POR*
HD	2000	1286	1723	148		
ND	2250	1800	2412	207	ATV6100C225A6060	*POR*
HD	2250	1460	1956	168		
ND	2500	2000	2680	230	ATV6100C250A6060	*POR*
HD	2500	1633	2189	188		
ND	2610	2088	2798	240	ATV6100C261A6060	*POR*
HD	2610	1668	2235	192		
ND	2800	2240	3002	258	ATV6100C280A6060	*POR*
HD	2800	1946	2608	224		
ND	3500	2800	3752	322	ATV6100C350A6060	*POR*
HD	3500	2259	3027	260		
ND	3940	3152	4224	363	ATV6100C394A6060	*POR*
HD	3940	2572	3446	296		
ND	4190	3352	4492	386	ATV6100C419A6060	*POR*
HD	4190	2745	3679	316		
ND	5000	4000	5360	460	ATV6100C500A6060	*POR*
HD	5000	3232	4331	372		
ND	5250	4200	5628	483	ATV6100C525A6060	*POR*
HD	5250	3545	4750	408		
ND	6000	4800	6432	552	ATV6100C600A6060	*POR*
HD	6000	3892	5216	448		

(1) For higher drive power please contact Schneider Electric.
(2) Values valid for synchronous motor and asynchronous motor. The specifications for the maximum motor shaft power is based on a motor efficiency of 95%, and power factor 0.88.
(3) Please contact Schneider Electric for other combinations of input and output voltage.

1

unit price (excl. GST in Singapore Dollars)

15 power cells, 30 input pulses

Transformer rating (1) ND: Normal Duty (4) HD: Heavy Duty (5)	Maximum motor shaft power(2)			Nominal continuous current	Reference (1)	Price (S$)
	KVA	KW	HP	A		
ND	394	315	422	33	ATV6100D394A6666	*POR*
HD	394	296	397	31		
ND	450	360	482	38	ATV6100D450A6666	*POR*
HD	450	329	441	34		
ND	513	410	549	43	ATV6100D513A6666	*POR*
HD	513	329	441	34		
ND	588	470	630	49	ATV6100D588A6666	*POR*
HD	588	382	512	40		
ND	688	550	737	58	ATV6100D688A6666	*POR*
HD	688	497	666	52		
ND	775	620	831	65	ATV6100D775A6666	*POR*
HD	775	497	666	52		
ND	825	660	884	69	ATV6100D825A6666	*POR*
HD	825	535	717	56		
ND	950	760	1018	80	ATV6100D950A6666	*POR*
HD	950	612	820	64		
ND	1130	900	1206	94	ATV6100C113A6666	*POR*
HD	1130	726	973	76		
ND	1250	1000	1340	105	ATV6100C125A6666	*POR*
HD	1250	879	1178	92		
ND	1380	1100	1474	115	ATV6100C138A6666	*POR*
HD	1380	879	1178	92		
ND	1490	1195	1601	125	ATV6100C149A6666	*POR*
HD	1490	956	1281	100		
ND	1680	1340	1796	140	ATV6100C168A6666	*POR*
HD	1680	1070	1434	112		
ND	1880	1500	2010	157	ATV6100C188A6666	*POR*
HD	1880	1414	1895	148		
ND	2210	1770	2372	185	ATV6100C221A6666	*POR*
HD	2210	1414	1895	148		
ND	2510	2010	2693	210	ATV6100C251A6666	*POR*
HD	2510	1606	2151	168		
ND	2810	2250	3015	235	ATV6100C281A6666	*POR*
HD	2810	1797	2408	188		
ND	2860	2290	3069	240	ATV6100C286A6666	*POR*
HD	2860	1835	2459	192		
ND	3350	2680	3591	280	ATV6100C335A6666	*POR*
HD	3350	2141	2869	224		
ND	3890	3110	4167	325	ATV6100C389A6666	*POR*
HD	3890	2485	3330	260		
ND	4410	3530	4730	369	ATV6100C441A6666	*POR*
HD	4410	2829	3791	296		
ND	4710	3770	5052	394	ATV6100C471A6666	*POR*
HD	4710	3020	4047	316		
ND	5550	4440	5950	465	ATV6100C555A6666	*POR*
HD	5550	3555	4764	372		

(1) For higher drive power please contact Schneider Electric.
(2) Values valid for synchronous motor and asynchronous motor. The specifications for the maximum motor shaft power is based on a motor efficiency of 95%, and power factor 0.88.
(3) Please contact Schneider Electric for other combinations of input and output voltage.

Altivar Process ATV6100
critical process and high-power applications

unit price (excl. GST in Singapore Dollars)

12 power cells, 24 input pulses

Transformer rating (1) ND: Normal Duty (4) HD: Heavy Duty (5)		Maximum motor shaft power(2)		Nominal continuous current	Reference (1)	Price (S$)
	KVA	KW	HP	A		
ND	395	315	422	22	ATV6100D395A1010	*POR*
HD	395	266	357	18		
ND	500	400	536	28	ATV6100D500A1010	*POR*
HD	500	376	504	26		
ND	625	500	670	35	ATV6100D625A1010	*POR*
HD	625	478	640	33		
ND	700	560	750	39	ATV6100D700A1010	*POR*
HD	700	498	667	34		
ND	775	620	831	43	ATV6100D775A1010	*POR*
HD	775	498	667	34		
ND	890	710	951	49	ATV6100D890A1010	*POR*
HD	890	579	776	40		
ND	1000	800	1072	55	ATV6100C100A1010	*POR*
HD	1000	753	1009	52		
ND	1130	904	1211	62	ATV6100C113A1010	*POR*
HD	1130	753	1009	52		
ND	1250	1000	1340	69	ATV6100C125A1010	*POR*
HD	1250	811	1087	56		
ND	1400	1120	1501	77	ATV6100C140A1010	*POR*
HD	1400	927	1242	64		
ND	1720	1376	1844	95	ATV6100C172A1010	*POR*
HD	1720	1100	1475	76		
ND	2000	1600	2144	110	ATV6100C200A1010	*POR*
HD	2000	1332	1785	92		
ND	2250	1800	2412	124	ATV6100C225A1010	*POR*
HD	2250	1448	1940	100		
ND	2500	2000	2680	138	ATV6100C250A1010	*POR*
HD	2500	1622	2173	112		
ND	2800	2240	3002	155	ATV6100C280A1010	*POR*
HD	2800	2143	2872	148		
ND	3130	2504	3355	173	ATV6100C313A1010	*POR*
HD	3130	2143	2872	148		
ND	3500	2800	3752	193	ATV6100C350A1010	*POR*
HD	3500	2433	3260	168		
ND	4190	3350	4489	231	ATV6100C419A1010	*POR*
HD	4190	2722	3648	188		
ND	4340	3470	4650	240	ATV6100C434A1010	*POR*
HD	4340	2780	3725	192		
ND	5000	4000	5360	276	ATV6100C500A1010	*POR*
HD	5000	3244	4346	224		
ND	5630	4504	6035	311	ATV6100C563A1010	*POR*
HD	5630	3765	5045	260		
ND	6250	5000	6700	345	ATV6100C625A1010	*POR*
HD	6250	4286	5743	296		
ND	7000	5600	7504	387	ATV6100C700A1010	*POR*
HD	7000	4576	6131	316		

(1) For higher drive power please contact Schneider Electric.
(2) Values valid for synchronous motor and asynchronous motor. The specifications for the maximum motor shaft power is based on a motor efficiency of 95%, and power factor 0.88.
(3) Please contact Schneider Electric for other combinations of input and output voltage.

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unit price (excl. GST in Singapore Dollars)

27 power cells, 54 input pulses

Transformer rating (1) ND: Normal Duty (4) HD: Heavy Duty (5)	Maximum motor shaft power(2)			Nominal continuous current	Reference (1)	Price (S$)
	KVA	KW	HP	A		
ND	456	365	489	23	ATV6100D456A1111	*POR*
HD	456	293	393	18		
ND	563	450	603	28	ATV6100D563A1111	*POR*
HD	563	430	576	27		
ND	688	550	737	35	ATV6100D688A1111	*POR*
HD	688	526	704	33		
ND	856	685	918	43	ATV6100D856A1111	*POR*
HD	856	548	734	34		
ND	994	795	1065	50	ATV6100D994A1111	*POR*
HD	994	637	854	40		
ND	1130	904	1211	57	ATV6100C113A1111	*POR*
HD	1130	828	1110	52		
ND	1290	1032	1383	65	ATV6100C129A1111	*POR*
HD	1290	828	1110	52		
ND	1390	1112	1490	70	ATV6100C139A1111	*POR*
HD	1390	892	1195	56		
ND	1590	1272	1704	80	ATV6100C159A1111	*POR*
HD	1590	1019	1366	64		
ND	1890	1510	2023	95	ATV6100C189A1111	*POR*
HD	1890	1211	1622	76		
ND	2060	1650	2211	104	ATV6100C206A1111	*POR*
HD	2060	1465	1964	92		
ND	2290	1830	2452	115	ATV6100C229A1111	*POR*
HD	2290	1465	1964	92		
ND	2490	1990	2667	125	ATV6100C249A1111	*POR*
HD	2490	1593	2134	100		
ND	2790	2230	2988	140	ATV6100C279A1111	*POR*
HD	2790	1784	2390	112		
ND	3190	2550	3417	160	ATV6100C319A1111	*POR*
HD	3190	2357	3159	148		
ND	3690	2950	3953	185	ATV6100C369A1111	*POR*
HD	3690	2357	3159	148		
ND	4190	3350	4489	210	ATV6100C419A1111	*POR*
HD	4190	2676	3586	168		
ND	4680	3740	5012	235	ATV6100C468A1111	*POR*
HD	4680	2994	4013	188		
ND	4780	3820	5119	240	ATV6100C478A1111	*POR*
HD	4780	3058	4098	192		
ND	5580	4460	5976	280	ATV6100C558A1111	*POR*
HD	5580	3568	4781	224		
ND	6480	5180	6941	325	ATV6100C648A1111	*POR*
HD	6480	4141	5549	260		
ND	7360	5890	7893	370	ATV6100C736A1111	*POR*
HD	7360	4715	6318	296		
ND	7860	6290	8429	395	ATV6100C786A1111	*POR*
HD	7860	5033	6745	316		

(1) For higher drive power please contact Schneider Electric.
(2) Values valid for synchronous motor and asynchronous motor. The specifications for the maximum motor shaft power is based on a motor efficiency of 95%, and power factor 0.88.
(3) Please contact Schneider Electric for other combinations of input and output voltage.

unit price (excl. GST in Singapore Dollars)

ATV6A0C11Q4

Altivar Process Modular for fluid management
400 V (-15...10%) IP00 Standard Modular drives (continued)

Motor		Line supply		Altivar Process		
Power indicated or		Line current	Apparent power	Maximum continuous current	Reference (1)	Price (S$)
ND: Normal Duty (4)						
HD: Heavy Duty (5)						
	kW	A	kVA	kA		
ND	110	198	137	211	ATV6A0C11Q4	*POR*
HD	90	167	116	173		
ND	132	233	161	250	ATV6A0C13Q4	*POR*
HD	110	198	137	211		
ND	160	278	193	302	ATV6A0C16Q4	*POR*
HD	132	233	161	250		
ND	200	352	244	370	ATV6A0C20Q4	*POR*
HD	160	290	201	302		
ND	250	432	299	477	ATV6A0C25Q4	*POR*
HD	200	353	245	370		
ND	315	538	373	590	ATV6A0C31Q4	*POR*
HD	250	432	299	477		
ND	355	611	423	660	ATV6A0C35Q4	*POR*
HD	280	489	339	520		
ND	400	681	472	730	ATV6A0C40Q4	*POR*
HD	315	545	378	590		
ND	450	764	529	830	ATV6A0C45Q4	*POR*
HD	355	611	423	660		
ND	500	846	586	900	ATV6A0C50Q4	*POR*
HD	400	681	472	730		
ND	560	948	657	1020	ATV6A0C56Q4	*POR*
HD	450	767	531	830		
ND	630	1058	733	1140	ATV6A0C63Q4	*POR*
HD	500	849	588	900		
ND	710	1192	826	1260	ATV6A0C71Q4	*POR*
HD	560	951	659	1020		
ND	800	1335	925	1420	ATV6A0C80Q4	*POR*
HD	630	1061	735	1140		
ND	1000	1692	1172	1770	ATV6A0M10Q4	*POR*
HD	800	1362	944	1420		

Note: Altivar Process Modular Standard drives can be designed as Reduced Height versions for integration in 1.6 m/5.25 ft cabinets.

unit price (excl. GST in Singapore Dollars)

1

ATV6A0C11Q4

Altivar Process Modular for fluid management
400 V (-15...10%) IP00 Standard Modular drives

Motor		Line supply		Altivar Process		
Power indicated on		Line current	Apparent power	Maximum continuous current	Reference (1)	Price (S$)
ND: Normal Duty (4)						
HD: Heavy Duty (5)						
	kW	A	kVA	kA		
ND	110	198	137	211	ATV6A0C11Q4	*POR*
HD	90	167	116	173		
ND	132	233	161	250	ATV6A0C13Q4	*POR*
HD	110	198	137	211		
ND	160	278	193	302	ATV6A0C16Q4	*POR*
HD	132	233	161	250		
ND	200	352	244	370	ATV6A0C20Q4	*POR*
HD	160	290	201	302		
ND	250	432	299	477	ATV6A0C25Q4	*POR*
HD	200	353	245	370		
ND	315	538	373	590	ATV6A0C31Q4	*POR*
HD	250	432	299	477		
ND	355	611	423	660	ATV6A0C35Q4	*POR*
HD	280	489	339	520		
ND	400	681	472	730	ATV6A0C40Q4	*POR*
HD	315	545	378	590		
ND	450	764	529	830	ATV6A0C45Q4	*POR*
HD	355	611	423	660		
ND	500	846	586	900	ATV6A0C50Q4	*POR*
HD	400	681	472	730		
ND	560	948	657	1020	ATV6A0C56Q4	*POR*
HD	450	767	531	830		
ND	630	1058	733	1140	ATV6A0C63Q4	*POR*
HD	500	849	588	900		
ND	710	1192	826	1260	ATV6A0C71Q4	*POR*
HD	560	951	659	1020		
ND	800	1335	925	1420	ATV6A0C80Q4	*POR*
HD	630	1061	735	1140		
ND	1000	1692	1172	1770	ATV6A0M10Q4	*POR*
HD	800	1362	944	1420		

Note: Altivar Process Modular Standard drives can be designed as Reduced Height versions for integration in 1.6 m/5.25 ft cabinets.

unit price (excl. GST in Singapore Dollars)

APM1A0C16N401

Power modules

Description	Reference	Price (S$)
Standard power module		
Power module 160 kW - 380…480 V IP00: 1 x standard power unit 1 x standard mains unit 3 x fuse holder with screws and washers for the fuse	APM1A0C16N401	*16,634.50*
Power module 200 kW - 500…690 V IP00: 1 x standard power unit 1 x standard mains unit 3 x fuse holder with screws and washers for the fuse 2 x brackets with nuts for front mechanical connection	APM1A0C20Y6	*19,480.39*
Low Harmonic/Regen power module		
Power module 160 kW - 380…480 V IP00: 1 x power module for Low Harmonic/Regen APM drives 3 x fuse holder with screws and washers for the fuse	APM1B0C16N4	*35,596.80*
Power module for Reduced Height 200 kW - 500…690 V IP00: 1 x power module	APM1A0C20Y6RH	*15,580.81*

Reduced Height architectures

Description	Reference	Price (S$)
Standard power module (Reduced Height integration)		
Power module for Reduced Height 160 kW - 380…480 V IP00: 1 x power module	APM1A0C16N4RH	*13,473.43*
Power module for Reduced Height 200 kW - 500…690 V IP00: 1 x power module	APM1A0C20Y6RH	*15,580.81*

APM1L0C28Y6

Liquid-cooled architectures

Description	Reference	Price (S$)
Standard power module liquid-cooled		
Standard power module 200 kW - 380…480V IP00: 1 x standard power unit with embedded 6/12-pulse rectifier 1 x integrated water/water heat exchanger	APM1L0C20N4	*POR*
Standard power module 280 kW - 500…690V IP00: 1 x standard power unit with embedded 6/12-pulse rectifier 1 x integrated water/water heat exchanger	APM1L0C31N4	*POR*
Standard power module 280 kW - 500…690V IP00: 1 x standard power unit with embedded 6/12-pulse rectifier 1 x integrated water/water heat exchanger	APM1L0C28Y6	*POR*
Standard power module 280 kW - 500…690V IP00: 1 x standard power unit with embedded 6/12-pulse rectifier 1 x integrated water/water heat exchanger	APM1L0C45Y6	*POR*

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unit price (excl. GST in Singapore Dollars)

APMCA02LCN4RH

APMCA03LCY6RH

Power modules

Description	Reference	Price (S$)
Mains module (Reduced Height integration)		
Mains module 1 line choke - 380…480V - IP00: For combination with 1 standard power module. 1 x mains module for APM Standard Reduced Height 380...480V Components for power fan management: Controller, 48 VDC power supply, 2 x relays and 2 x relay holders, 3 x fuses and 3 x fuse holders	APMCA01LCN4RH	*8,360.51*
Mains module 2 line chokes - 380…480V - IP00: For combination with 2 x standard power modules. b 1 x mains module for APM Standard Reduced Height 380...480V b Components for power fan management: Controller, 48 VDC power supply, 2 x relays and 2 x relay holders, 3 x fuses and 3 x fuse holders	APMCA02LCN4RH	*12,530.98*
Mains module 3 line chokes - 380…480V - IP00: For combination with 3 x standard power modules. 1 x mains module for APM Standard Reduced Height 380...480V Components for power fan management: Controller, 48 VDC power supply, 2 x relays and 2 x relay holders, 3 x fuses and 3 x fuse holders	APMCA03LCN4RH	*16,762.22*
Mains module 1 line choke - 500…690V - IP00: For combination with 1 standard power module. 1 x mains module for APM Standard Reduced Height 500…690V Components for power fan management: Controller, 48 VDC power supply, 2 x relays and 2 x relay	APMCA01LCY6RH	*9,016.62*
Mains module 2 line chokes - 500…690V - IP00: For combination with 2 x standard power modules. 1 x mains module for APM Standard Reduced Height 500…690V Components for power fan management: Controller, 48 VDC power supply, 2 x relays and 2 x relay holders, 3 x fuses and 3 x fuse holders	APMCA02LCY6RH	*13,837.02*
Mains module 3 line chokes - 500…690V - IP00: For combination with 3 x standard power modules. b 1 x mains module for APM Standard Reduced Height 500…690V b Components for power fan management: Controller, 48 VDC power supply, 2 x relays and 2 x relay holders, 3 x fuses and 3 x fuse holders	APMCA03LCY6RH	*18,715.10*

Altivar Process Modular variable speed drive

unit price (excl. GST in Singapore Dollars)

APMBC0C63Y6

APMBC0CTLY6

Control units for power module

Description	Reference	Price (S$)
ATV600		
Standard module 380…480 V	APM6A0CTLN401	*POR*
Standard module 500…690 V	APM6A0CTLY6	*POR*
Low Harmonic 380…480 V	APM6B0CTLN4	*POR*
Low Harmonic 500…690 V	APM6B0CTLY6	*POR*
Liquid-cooled 380...480 V	APM6L0CTLN4	*POR*
Liquid-cooled 500...690 V	APM6L0CTLY6	*POR*
ATV900		
Standard module 380…480 V	APM9A0CTLN401	*POR*
Standard module 500…690 V	APM9A0CTLY6	*POR*
Low Harmonic/Regen 380…480 V	APM9B0CTLN4	*POR*
Low Harmonic/Regen 500…690 V	APM9B0CTLY6	*POR*
Liquid-cooled 380...480 V	APM9L0CTLN4	*POR*
Liquid-cooled 500...690 V	APM9L0CTLY6	*POR*

Additional modules for liquid-cooled drives

Description	Reference	Price (S$)
Line paralleling		
Line paralleling module IP00, 380 … 480 V 6- or 12-pulse supply 1 x paralleling choke 3 x semiconductor fuses	APM1L0LPMN4	*POR*
Line paralleling module IP00, 500 … 690 V 6- or 12-pulse supply 1 x paralleling choke 3 x semiconductor fuses	APM1L0LPMY6	*POR*
Line filter		
Line filter module IP00, 380 … 480 V EMC filter	APM1L0LFMN4	*POR*
Line filter module IP00, 500 … 690 V EMC filter	APM1L0LFMY6	*POR*
Line choke		
Line choke module IP00, 380 … 480 V 6- or 12-pulse supply 2 x three-phase line reactors 6 x semiconductor fuses EMC filter	APM1L0LCMN4	*POR*
Line choke module IP00, 500 … 690 V 6- or 12-pulse supply 2 x three-phase line reactors 6 x semiconductor fuses	APM1L0LCMY6	*POR*
Motor protection		
Motor protection module IP00, 380 … 480 V 1 x dv/dt filter and common mode filter Integrated motor terminals	APM1L0MPMN4	*POR*
Motor protection module IP00, 500 … 690 V 1 x dv/dt filter and common mode filter Integrated motor terminals	APM1L0MPMY6	*POR*
Cabinet cooling		
Cabinet cooling module IP00, 115 VAC	APM1L0CCM115	*POR*
Cabinet cooling module IP00, 230 VAC	APM1L0CCM230	*POR*

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unit price (excl. GST in Singapore Dollars)

Braking modules

Description	Reference	Price (S$)
Braking module for APM 380…480 V: 1 x power unit 1 x air outlet unit 2 x brackets with nuts for front mechanical connection	APMBC0C50N4	*10,696.55*
Braking module for APM 500…690 V: 1 x power unit 1 x air outlet unit 2 x brackets with nuts for front mechanical connection	APMBC0C63Y6	*12,420.77*

Control units for power module

Description	Reference	Price (S$)
ATV600		
Control unit for braking unit 380…480 V	APMBC0CTLN4	*2,365.91*
Control unit for braking unit 500...690 V	APMBC0CTLY6	*2,383.42*

Servo drive and motor combinations
LXM28 Servo drive and BCH2 Servo motor combinations
Single Phase 200...240V 50/60 Hz

unit price (excl. GST in Singapore Dollars)

LXM28-Servo drive and BCH2 Servo motor Combinations (1)

Single Phase 200...240VAC, CANopen

Lexium 28 50 W, 100 W, 200 W, 400 W and 750 W

Rated output power	Servo Drive Reference	Price S$	Servo Motor Feedback Resolution	Frame Size	Nominal Speed	Shaft Key	Brake	Inertia Type	Reference	Price (S$)
W			Bit	mm	rpm					
50	LXM28AUA5M3X	*970.00*	20	40	3000	Yes	No	Medium	BCH2MBA533CA5C	759.11
100	LXM28AU01M3X	*981.50*	20	40	3000	Yes	No	Medium	BCH2MB0133CA5C	890.02
200	LXM28AU02M3X	*992.50*	20	60	3000	Yes	No	Low	BCH2LD0233CA5C	798.77
400	LXM28AU04M3X	*1,036.00*	20	60	3000	Yes	No	Low	BCH2LD0433CA5C	851.50
			20	80	3000	Yes	No	Low	BCH2LF0433CA5C	890.02
750	LXM28AU07M3X	*1,080.00*	20	80	3000	Yes	No	Low	BCH2LF0733CA5C	1,033.91
			20	80	3000	Yes	No	High	BCH2HF0733CA5C	1,007.86

Single Phase 200...240VAC, EtherCAT

Lexium 28 50 W, 100 W, 200 W, 400 W and 750 W

Rated output power	Servo Drive Reference	Price S$	Servo Motor Feedback Resolution	Frame Size	Nominal Speed	Shaft Key	Brake	Inertia Type	Reference	Price (S$)
W			Bit	mm	rpm					
50	LXM28EUA5M3X	*1,910.00*	20	40	3000	Yes	No	Medium	BCH2MBA533CA5C	759.11
100	LXM28EU01M3X	*1,910.00*	20	40	3000	Yes	No	Medium	BCH2MB0133CA5C	890.02
200	LXM28EU02M3X	*1,910.00*	20	60	3000	Yes	No	Low	BCH2LD0233CA5C	798.77
400	LXM28EU04M3X	*1,941.00*	20	60	3000	Yes	No	Low	BCH2LD0433CA5C	851.50
			20	80	3000	Yes	No	Low	BCH2LF0433CA5C	890.02
750	LXM28EU07M3X	*1,972.50*	20	80	3000	Yes	No	Low	BCH2LF0733CA5C	1,033.91
			20	80	3000	Yes	No	High	BCH2HF0733CA5C	1,007.86

Lexium 28 motor cables

Cable Type	Motor Frame Size	Brake	Length	Reference	Price (S$)
	mm		m		
Encoder	40 / 60 / 80	N/A	1.5	VW3M8D1AR15	108.77
			3	VW3M8D1AR30	108.77
			5	VW3M8D1AR50	133.18
Power	40 / 60 / 80	No	1.5	VW3M5D1AR15	141.42
			3	VW3M5D1AR30	79.31
			5	VW3M5D1AR50	116.70

VW3M1C12

Lexium 28 accessories

Description		Reference	Price (S$)
USB TO RJ45 Cordset (PC to Lexium 28)		TCSMCNAM3M002P	129.16
I/O interface attachment plug (sold in lots of 3)		VW3M1C12	116.70
I/O PTI cables	1	VW3M1C10R10	197.76
Sub-D 50-pin connector for connection on	2	VW3M1C10R20	443.42
CN1 interface (drive side) and open end (controller side)	3	VW3M1C10R30	470.50

(1) For a full list of Lexium 28 drives, motors and accesories, please refer to your local sales contact.

Control and signaling units

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Harmony® XB4, metal Ø22

Spring return pushbutton & Illuminated pushbutton with integral LED

unit price (excl. GST in Singapore Dollars)

Pushbuttons

Screw clamp terminal connections

XB4BA●●

Shape of head	Type of contact N/O	Type of contact N/C	Colour of push	Complete unit (#) Reference	Price (S$)	Head Reference	Price (S$)	Body Reference	Price (S$)
Flush push									
	1	-	White	XB4BA11	15.35	ZB4BA1	7.31	ZB4BZ101	10.92
			Black	XB4BA21	15.35	ZB4BA2	7.83	ZB4BZ101	10.92
			Green	XB4BA31	15.35	ZB4BA3	7.83	ZB4BZ101	10.92
			Yellow	XB4BA51	15.35	ZB4BA5	7.31	ZB4BZ101	10.92
			Blue	XB4BA61	15.35	ZB4BA6	7.31	ZB4BZ101	10.92
	-	1	Red	XB4BA42	15.35	ZB4BA4	7.83	ZB4BZ102	10.92
Compact push-in terminal connections									
	1	-	White	XB4BA115	POR	ZB4BA1	7.31	ZB4BZ1015	15.90
			Black	XB4BA215	POR	ZB4BA2	7.83	ZB4BZ1015	15.90
			Green	XB4BA315	POR	ZB4BA3	7.83	ZB4BZ1015	15.90
			Yellow	XB4BA515	POR	ZB4BA5	7.31	ZB4BZ1015	15.90
			Blue	XB4BA615	POR	ZB4BA6	7.31	ZB4BZ1015	15.90
	-	1	Red	XB4BA425	POR	ZB4BA4	7.83	ZB4BZ1025	15.90

XB4BL●●

Projecting push									
	-	1	Red	XB4BL42	22.15	ZB4BL4	10.30	ZB4BZ102	10.92
Compact push-in terminal connections									
	-	1	Red	XB4BL425	POR	ZB4BL4	10.30	ZB4BZ1025	15.90

XB4BP●●

Silicone booted head for severe environments (colour of push unobscurec									
	1	-	Black	XB4BP21	22.66	ZB4BP2	11.95	ZB4BZ101	10.92
			Green	XB4BP31	22.66	ZB4BP3	12.46	ZB4BZ101	10.92
			Yellow	XB4BP51	22.66	ZB4BP5	11.95	ZB4BZ101	10.92
			Blue	XB4BP61	22.66	ZB4BP6	11.95	ZB4BZ101	10.92
	-	1	Red	XB4BP42	22.66	ZB4BP4	11.95	ZB4BZ102	10.92

XB4BA●●●●

Flush push with marking

Shape of head	Type of contact N/O	Type of contact N/C	Marking Text (colour)	Colour of push	Complete unit (#) Reference	Price (S$)	Head Reference	Price (S$)	Body Reference	Price (S$)
	1	-	"I" (white)	Green	XB4BA3311	27.81	ZB4BA331	21.01	ZB4BZ101	10.92
	-	1	"O" (white)	Red	XB4BA4322	23.28	ZB4BA432	21.01	ZB4BZ102	10.92
	1	-	é (black)	White	XB4BA3341	24.93	ZB4BA334	21.01	ZB4BZ101	10.92
	1	-	ò (white)	Black	XB4BA3351	24.93	ZB4BA335	21.01	ZB4BZ101	10.92

Compact push-in terminal connections

Shape of head	Type of contact N/O	Type of contact N/C	Marking Text (colour)	Colour of push	Complete unit (#) Reference	Price (S$)	Head Reference	Price (S$)	Body Reference	Price (S$)
	1	-	"I" (white)	Green	XB4BA33115	28.69	ZB4BA331	21.01	ZB4BZ1015	15.90
	-	1	"O" (white)	Red	XB4BA43225	28.69	ZB4BA432	21.01	ZB4BZ1025	15.90
Projecting push with marking										
	-	1	"O" (white)	Red	XB4BL4322	POR	ZB4BL432	18.75	ZB4BZ102	10.92

Illuminated pushbuttons with flush push and integral LED

Screw clamp terminal connections

XB4BW●●●●

Shape of head	Supply voltage (V)	Colour of push	Complete unit (#) Reference	Price (S$)	Head Reference	Price (S$)	Body Reference	Price (S$)
(1N/O+1N/C) Protected LED	24V a.c./ d.c.	White	XB4BW31B5	37.39	ZB4BW313	18.13	ZB4BW0B15	24.93
		Green	XB4BW33B5	37.39	ZB4BW333	18.13	ZB4BW0B15	24.93
		Red	XB4BW34B5	37.39	ZB4BW343	18.13	ZB4BW0B15	24.93
		Orange	XB4BW35B5	37.39	ZB4BW353	18.13	ZB4BW0B15	24.93
		Blue	XB4BW36B5	37.39	ZB4BW363	18.13	ZB4BW0B15	24.93
	110…120V 50/60Hz	White	XB4BW31G5	41.41	ZB4BW313	18.13	ZB4BW0G15	27.19
		Green	XB4BW33G5	41.41	ZB4BW333	18.13	ZB4BW0G15	27.19
		Red	XB4BW34G5	41.41	ZB4BW343	18.13	ZB4BW0G15	27.19
		Orange	XB4BW35G5	41.41	ZB4BW353	18.13	ZB4BW0G15	27.19
		Blue	XB4BW36G5	41.41	ZB4BW363	18.13	ZB4BW0G15	27.19
	230…240V 50/60Hz	White	XB4BW31M5	54.38	ZB4BW313	18.13	ZB4BW0M15	35.12
		Green	XB4BW33M5	54.38	ZB4BW333	18.13	ZB4BW0M15	35.12
		Red	XB4BW34M5	54.38	ZB4BW343	18.13	ZB4BW0M15	35.12
		Orange	XB4BW35M5	54.38	ZB4BW353	18.13	ZB4BW0M15	35.12
		Blue	XB4BW36M5	50.99	ZB4BW363	18.13	ZB4BW0M15	35.12

(#) Complete units will not be entitled for exchange. Please order head and body references.

Harmony® XB4, metal Ø22

Spring return pushbutton & Illuminated pushbutton with integral LED

unit price (excl. GST in Singapore Dollars)

2

Illuminated pushbuttons with flush push and integral LED

Compact push-in terminal connections

XB4BW34B55

Shape of head	Supply voltage (V)	Colour of push	Complete unit (#) Reference	Price (S$)	Head Reference	Price (S$)	Body Reference	Price (S$)
(1N/O+1N/C) Protected LED	24V a.c./ d.c.	White	XB4BW31B55	55.62	ZBVB15	15.91	ZB4BZ1055	25.49
		Green	XB4BW33B55	POR	ZBVB15	15.91	ZB4BZ1055	25.49
		Red	XB4BW34B55	POR	ZBVB15	15.91	ZB4BZ1055	25.49
		Orange	XB4BW35B55	POR	ZBVB15	15.91	ZB4BZ1055	25.49
		Blue	XB4BW36B55	POR	ZBVB15	15.91	ZB4BZ1055	25.49

(#) Complete units will not be entitled for exchange. Please order head and body references.

Double headed pushbuttons (1)

Screw clamp terminal connections (Schneider Electric anti-retightening system)

XB4BL73415

Shape of head	Description	Type of contact NO	NC	Colour and marking of caps (2)	Reference	Price (S$)
	2 pushes (1 flush black + 1 projecting red)	1	1	White "I" on green background White "0" on red background	XB4BL73415	*43.05*

Compact push-in terminal connections

XB4BL734155

Shape of head	Description	Type of contact NO	NC	Colour and marking of caps (2)	Reference	Price (S$)
	2 pushes (1 flush black + 1 projecting red)	1	1	White "I" on green background White "0" on red background	XB4BL734155	*57.76*

Double-headed pushbuttons + 1 white central pilot light block (1)

Screw clamp terminal connections (Schneider Electric anti-retightening system)

XB4BW73731●5

Shape of head	Description	Type of contact NO	NC	Colour and marking of caps (2)	Reference	Price (S$)
Protected LED	1 flush black push 1 projecting red push 1 white central pilot light block	1	1	White "I" on green background White "0" on red *background*	XB4BW73731B5 XB4BW73731G5 XB4BW73731M5	*49.34* *52.12* *54.38*

Mushroom head pushbuttons Ø40 mm

XB4BC21

Shape of head	Colour of push	Type of contact N/O	N/C	Complete unit (#) Reference	Price (S$)	Head Reference	Body Reference	Price (S$)
	Black	1	-	XB4BC21	*28.94*	ZB4BC2	ZB4BZ101	*10.92*

Emergency stop trigher action and mechanical latching pushbuttons, Ø40 mm (Red)

XB4BT845

XB4BS9445

Shape of head	Type of reset	Type of contact N/O	N/C	Complete unit (#) Reference	Price (S$)	Head Reference	Body Reference	Price (S$)
	Push-pull	1	1	XB4BL4322	*POR*	ZB4BT84	ZB4BZ105	*16.48*
	Turn to release	1	1	XB4BS8445	*34.61*	ZB4BS844	ZB4BZ105	*16.48*
	key release (key no.455)	1	1	XB4BS9445	*68.60*	ZB4BS944	ZB4BZ105	*16.48*

Emergency stop trigger action and mechanical latching pushbuttons, Ø40 mm (Red)

Screw clamp terminal connections (Schneider Electric anti-retightening system)

XB4BT842

Shape of head	Type of reset	Type of contact N/O	N/C	Complete unit (#) Reference	Price (S$)	Head Reference	Body Reference	Price (S$)
	Push-pull	-	1	XB4BT842	*36.87*	ZB4BT84	ZB4BZ102	*10.92*
	Turn to release	-	1	XB4BS8442	*28.94*	ZB4BS844	ZB4BZ102	*10.92*
	key release (key no.455)	-	1	XB4BS9442	*63.45*	ZB4BS944	ZB4BZ102	*10.92*

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, refer catalogue for details.

(2) These caps are fi tted by Schneider Electric and cannot be removed (risk of damage).

(#) Complete units will not be entitled for exchange. Please order head and body references.

Harmony® XB4, metal Ø22

Spring return pushbutton & Illuminated pushbutton with integral LED

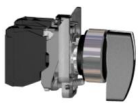
unit price (excl. GST in Singapore Dollars)

Selector switches

Screw clamp terminal connections

XB4BD33

Type of contact N/O	Type of contact N/C	Positions Number	Positions Type		Complete unit (#) Reference	Price (S$)	Head Reference	Price (S$)	Body Reference	Price (S$)
Standard handle, black										
1	-	2-position	Stay put		XB4BD21	*21.01*	ZB4BD2	*10.30*	ZB4BZ101	*10.92*
1	-	90°	Spring return from right to left		XB4BD41	*27.19*	ZB4BD4	*18.75*	ZB4BZ101	*10.92*
1	1		Stay put		XB4BD25	*24.93*	ZB4BD2	*10.30*	ZB4BZ105	*16.48*
2	-	3- position	Stay put		XB4BD33	*26.06*	ZB4BD3	*10.92*	ZB4BZ103	*16.48*
2	-	±45°	Spring return to centre		XB4BD53	*27.19*	ZB4BD5	*18.75*	ZB4BZ103	*16.48*
Long handle, black										
1	-	2-position 90°	Stay put		XB4BJ21	*23.79*	ZB4BJ2	*13.60*	ZB4BZ101	*10.92*
2	-	3- position	Stay put		XB4BJ33	*29.46*	ZB4BJ3	*14.73*	ZB4BZ103	*16.48*
		±45°	Spring return to centre		XB4BJ53	*36.87*	ZB4BJ5	*22.15*	ZB4BZ103	*16.48*



XB4BJ21

Compact push-in terminal connections

XB4BD255

Type of contact N/O	Type of contact N/C	Positions Number	Positions Type		Complete unit (#) Reference	Price (S$)	Head Reference	Price (S$)	Body Reference	Price (S$)
Standard handle, black										
1	-	2-position	Stay put		XB4BD215	*POR*	ZB4BD2	*10.30*	ZB4BZ1015	*15.90*
1	-	90°	Spring return from right to left		XB4BD415	*POR*	ZB4BD4	*18.75*	ZB4BZ1015	*15.90*
1	1		Stay put		XB4BD255	*POR*	ZB4BD2	*10.30*	ZB4BZ1055	*25.49*
2	-	3- position	Stay put		XB4BD335	*POR*	ZB4BD3	*10.92*	ZB4BZ1035	*25.49*
2	-	±45°	Spring return to centre		XB4BD535	*POR*	ZB4BD5	*18.75*	ZB4BZ1035	*25.49*

Screw clamp terminal connections

XB4BG33

Type of contact N/O	Type of contact N/C	Positions Number	Positions Type		Complete unit (#) Reference	Price (S$)	Head Reference	Price (S$)	Body Reference	Price (S$)
Key switches with key no. 455										
1	-	2-position	Stay put		XB4BG21	*46.45*	ZB4BG2	*33.99*	ZB4BZ101	*10.92*
		90°			XB4BG41	*44.81*	ZB4BG4	*33.48*	ZB4BZ101	*10.92*
			Spring return to left		XB4BG61	*48.72*	ZB4BG6	*37.39*	ZB4BZ101	*10.92*
2	-	3- position	Stay put		XB4BG03	*69.11*	ZB4BG0	*53.87*	ZB4BZ103	*16.48*
		±45°			XB4BG33	*50.99*	ZB4BG3	*39.66*	ZB4BZ103	*16.48*

Compact push-in terminal connections

XB4BD255

Type of contact N/O	Type of contact N/C	Positions Number	Positions Type		Complete unit (#) Reference	Price (S$)	Head Reference	Price (S$)	Body Reference	Price (S$)
Standard handle, black										
1	-	2-position	Stay put		XB4BG215	*79.30*	ZB4BG2	*33.99*	ZB4BZ1015	*15.90*
1	-	90°	Spring return from right to left		XB4BG415	*79.30*	ZB4BG4	*33.48*	ZB4BZ1015	*15.90*
1	1		Stay put		XB4BG615	*85.64*	ZB4BG6	*37.39*	ZB4BZ1055	*25.49*
2	-	3- position	Stay put		XB4BG035	*88.90*	ZB4BG0	*53.87*	ZB4BZ1035	*25.49*
2	-	±45°	Spring return to centre		XB4BG335	*88.90*	ZB4BG3	*39.66*	ZB4BZ1035	*25.49*

Illuminated selector switches with standard handle, with integral LED

Screw clamp terminal connections

XB4BK123B5

Type of contact N/O	Type of contact N/C	Positions Number	Positions Type	Supply voltage (V)	Colour of handle	Complete unit (#) Reference	Price (S$)	Head Reference	Price (S$)	Body Reference	Price (S$)
Standard handle											
1	1	2-position	24V	ac/dc	Green	XB4BL4322	*POR*	ZB4BK1233	*22.15*	ZB4BW0B15	*24.93*
		Stay put			Red	XB4BK124B5	*50.99*	ZB4BK1243	*22.15*	ZB4BW0B15	*24.93*
					Orange	XB4BK125B5	*45.94*	ZB4BK1253	*22.66*	ZB4BW0B15	*24.93*
				220…240V	Green	XB4BK123M5	*52.74*	ZB4BK1233	*22.15*	ZB4BW0M15	*35.12*
			90°	ac	Red	XB4BK124M5	*52.74*	ZB4BK1243	*22.15*	ZB4BW0M15	*35.12*
					Orange	XB4BK125M5	*52.74*	ZB4BK1253	*22.66*	ZB4BW0M15	*35.12*

(#) Complete units will not be entitled for exchange. Please order head and body references.

Harmony® XB4, metal Ø22

Spring return pushbutton & Illuminated pushbutton with integral LED
Complete Potentiometer

unit price (excl. GST in Singapore Dollars)

Pilot lights with integral LED

Screw clamp terminal connections

XB4BVB3

Shap of head	Supply voltage (V)	Colour	Complete unit (#) Reference	Price (S$)	Head Reference	Price (S$)	Body Reference	Price (S$)
	24V a.c./ d.c. 50/60 Hz	White	XB4BVB1	*25.54*	ZB4BV013	*11.95*	ZB4BVB1	15.35
		Green	XB4BVB3	*25.54*	ZB4BV033	*11.95*	ZB4BVB1	15.35
		Red	XB4BVB4	*25.54*	ZB4BV043	*11.95*	ZB4BVB1	15.35
		Orange	XB4BVB5	*25.54*	ZB4BV053	*11.95*	ZB4BVB1	15.35
		Blue	XB4BVB6	*25.54*	ZB4BV063	*11.95*	ZB4BVB1	15.35
	110...120V 50/60 Hz	White	XB4BVG1	*26.68*	ZB4BV013	*11.95*	ZB4BVG1	16.48
		Green	XB4BVG3	*26.68*	ZB4BV033	*11.95*	ZB4BVG1	16.48
		Red	XB4BVG4	*26.68*	ZB4BV043	*11.95*	ZB4BVG1	16.48
		Orange	XB4BVG5	*26.68*	ZB4BV053	*11.95*	ZB4BVG1	16.48
		Blue	XB4BVG6	*26.68*	ZB4BV063	*11.95*	ZB4BVG1	16.48
	230…240V 50/60 Hz	White	XB4BVM1	*34.61*	ZB4BV013	*11.95*	ZB4BVM1	19.88
		Green	XB4BVM3	*34.61*	ZB4BV033	*11.95*	ZB4BVM1	19.88
		Red	XB4BVM4	*34.61*	ZB4BV043	*11.95*	ZB4BVM1	19.88
		Orange	XB4BVM5	*34.61*	ZB4BV053	*11.95*	ZB4BVM1	19.88
		Blue	XB4BVM6	*34.61*	ZB4BV063	*11.95*	ZB4BVM1	19.88

Compact push-in terminal connections

XB4BVB55

Shap of head	Supply voltage (V)	Colour	Complete unit (#) Reference	Price (S$)	Head Reference	Price (S$)	Body Reference	Price (S$)
	24V a.c./ d.c. 50/60 Hz	White	XB4BVB15	*31.29*	ZB4BV013	*11.95*	ZBVB15	15.91
		Green	XB4BVB35	*31.29*	ZB4BV033	*11.95*	ZBVB15	15.91
		Red	XB4BVB45	*31.29*	ZB4BV043	*11.95*	ZBVB15	15.91
		Orange	XB4BVB55	*31.29*	ZB4BV053	*11.95*	ZBVB15	15.91
		Blue	XB4BVB65	*31.29*	ZB4BV063	*11.95*	ZBVB15	15.91
	110...120V	Green	XB4BVG35	*70.79*	ZB4BV033	*11.95*	ZBVG15	31.82

Pilot lights for BA 9s base fitting, with plain lens

XB4BV61

Shap of head	Supply voltage (V)	Colour	Complete unit (#) Reference	Price (S$)	Head Reference	Price (S$)	Body Reference	Price (S$)
Direct supply, for BA 9s U <= 250V, 2.4 W bulb (bulb not included)								
	≤250 d.c.	White	XB4BV61	*22.15*	ZB4BV01	*7.83*	ZB4BV6	15.35
		Green	XB4BV63	*22.15*	ZB4BV03	*7.83*	ZB4BV6	15.35
		Red	XB4BV64	*22.15*	ZB4BV04	*7.83*	ZB4BV6	15.35
		Orange	XB4BV65	*22.15*	ZB4BV05	*7.83*	ZB4BV6	15.35
Via integral transformer with 1.2 VA, 6 V secondary. BA 9s incandescent bulb included								
	110…120V 50/60 Hz	White	XB4BV31	*61.18*	ZB4BV01	*7.83*	ZB4BV3	40.79
		Green	XB4BV33	*49.85*	ZB4BV03	*7.83*	ZB4BV3	40.79
		Red	XB4BV34	*49.85*	ZB4BV04	*7.83*	ZB4BV3	40.79
		Orange	XB4BV35	*73.65*	ZB4BV05	*7.83*	ZB4BV3	40.79
	230V 50Hz	White	XB4BV41	*49.85*	ZB4BV01	*7.83*	ZB4BV4	33.48

Complete potentiometer

XB4BD912R1K

Description	Resistance k Ω	Reference	Price (S$)
+/- 10% linear mode precision complete potentiometer with screw terminals	1	XB4BD912R1K	256.06
	4.7	XB4BD912R4K7	256.06
	10	XB4BD912R10K	256.06
	47	XB4BD912R47K	256.06
	100	XB4BD912R100K	256.06
	470	XB4BD912R470K	382.95

Harmony® XB5, plastic Ø22

Spring return pushbutton & Illuminated pushbutton with integral LED

unit price (excl. GST in Singapore Dollars)

Pushbutton with flush push

Screw clamp terminal connections

XB5AA51

Shape of head	Type of contact N/O	N/C	Colour of push	Complete unit (#) Reference	Price (S$)	Head (*) Reference	Price (S$)	Body Reference	Price (S$)
Flush push									
	1	-	White	XB5AA11	*16.48*	ZB5AA1	*7.31*	ZB5AZ101	*9.06*
			Black	XB5AA21	*15.35*	ZB5AA2	*7.31*	ZB5AZ101	*9.06*
			Green	XB5AA31	*15.35*	ZB5AA3	*7.31*	ZB5AZ101	*9.06*
			Yellow	XB5AA51	*15.35*	ZB5AA5	*7.31*	ZB5AZ101	*9.06*
			Blue	XB5AA61	*15.35*	ZB5AA6	*7.31*	ZB5AZ101	*9.06*
	-	1	Red	XB5AA42	*17.00*	ZB5AA4	*7.31*	ZB5AZ102	*9.68*
Compact push-in terminal connections									
	1	-	White	XB5AA115	*23.78*	ZB5AA1	*7.31*	ZB5AZ1015	*13.88*
			Black	XB5AA215	*POR*	ZB5AA2	*7.31*	ZB5AZ1015	*13.88*
			Green	XB5AA315	*23.78*	ZB5AA3	*7.31*	ZB5AZ1015	*13.88*
			Yellow	XB5AA515	*23.78*	ZB5AA5	*7.31*	ZB5AZ1015	*13.88*
			Blue	XB5AA615	*23.78*	ZB5AA6	*7.31*	ZB5AZ1015	*13.88*
	-	1	Red	XB5AA425	*23.78*	ZB5AA4	*7.31*	ZB5AZ1015	*13.88*

XB5AA425

Projecting push									
	-	1	Red	XB5AL42	*19.88*	ZB5AL4	*9.06*	ZB5AZ102	*9.68*
Compact push-in terminal connections									
	-	1	Red	XB5AL425	*26.24*	ZB5AL4	*9.06*	ZB5AZ102	*9.68*

XB5AL42

Flush push with marking

Shape of head	Type of contact N/O	N/C	Marking Text colour	Colour of push	Complete unit (#) Reference	Price (S$)	Head Reference	Price (S$)	Body Reference	Price (S$)
	1	-	"I" (white)	Green	XB5AA3311	*22.66*	ZB5AA331	*13.08*	ZB5AZ101	*9.06*
	-	1	"O" (white)	Red	XB5AA4322	*23.28*	ZB5AA432	*13.08*	ZB5AZ102	*9.68*
	1	-	é (black)	White (1)	XB5AA3341	*22.66*	ZB5AA334	*13.08*	ZB5AZ101	*9.06*
	1	-	Ò (white)	Black (1)	XB5AA3351	*22.66*	ZB5AA335	*13.08*	ZB5AZ101	*9.06*
Projecting push with marking										
	-	1	"O" (white)	Red	–		ZB5AL432	*15.86*	ZB5AZ102	*9.68*

**NEW Flush mount head available on request*

XB5AA4322

Illuminated pushbuttons with flush push and integral LED

Screw clamp terminal connections

XB5AW31B5

XB5FW313

**NEW Flush mount head available on request*

Shape of head	Supply voltage (V)	Colour of push	Complete unit (#) Reference	Price (S$)	Head (*) Reference	Price (S$)	Body Reference	Price (S$)
			XB4BL4322					
	24V a.c./d.c.	White	XB5AW31B5	*35.12*	ZB5AW313	*11.95*	ZB5AW0B15	*23.79*
		Green	XB5AW33B5	*35.12*	ZB5AW333	*11.95*	ZB5AW0B15	*23.79*
		Red	XB5AW34B5	*35.12*	ZB5AW343	*11.95*	ZB5AW0B15	*23.79*
(1N/O+1N/C)		Orange	XB5AW35B5	*35.12*	ZB5AW353	*11.95*	ZB5AW0B15	*23.79*
Protected LED	110…120V 50/60Hz	White	XB5AW31G5	*38.01*	ZB5AW313	*11.95*	ZB5AW0G15	*31.72*
		Green	XB5AW33G5	*38.01*	ZB5AW333	*11.95*	ZB5AW0B15	*23.79*
		Red	XB5AW34G5	*38.01*	ZB5AW343	*11.95*	ZB5AW0B15	*23.79*
		Orange	XB5AW35G5	*38.01*	ZB5AW353	*11.95*	ZB5AW0B15	*23.79*
	230…240V 50/60Hz	White	XB5AW31M5	*42.54*	ZB5AW313	*11.95*	ZB5AW0M15	*43.67*
		Green	XB5AW33M5	*41.92*	ZB5AW333	*11.95*	ZB5AW0B15	*23.79*
		Red	XB5AW34M5	*42.54*	ZB5AW343	*11.95*	ZB5AW0B15	*23.79*
		Orange	XB5AW35M5	*42.54*	ZB5AW353	*11.95*	ZB5AW0B15	*23.79*

(#) Complete units will not be entitled for exchange. Please order head and body references.

(*) NEW Flush mounting heads available upon enquiry. Please consult your sales representative.

Compact push-in terminal connections

XB5AW31B5

Shape of head	Supply voltage (V)	Colour of push	Complete unit (#) Reference	Price (S$)	Head (*) Reference	Price (S$)	Body Reference	Price (S$)
	24V a.c./d.c.	White	XB5AW31B5	*35.12*	ZB5AW313	*11.95*	ZBVB15	*15.91*
		Green	XB5AW33B55	*55.33*	ZB5AW333	*11.95*	ZBVB15	*15.91*
		Red	XB5AW34B55	*55.33*	ZB5AW343	*11.95*	ZBVB15	*15.91*
(1N/O+1N/C)		Orange	XB5AW35B55	*55.33*	ZB5AW353	*11.95*	ZBVB15	*15.91*
		Blue	XB5AW36B55	*55.33*	ZB5AW353	*11.95*	ZBVB15	*15.91*

2

unit price (excl. GST in Singapore Dollars)

Selector switches

Screw clamp terminal connections

XB5AD33C0

Type of contact N/O	N/C	Positions Number	Type	Complete unit (#) Reference	Price (S$)	Head (*) Reference	Price (S$)	Body Reference	Price (S$)
Standard handle, black									
1	-	2-position	Stay put	XB5AD21	*POR*	ZB5AD2	*8.45*	ZB5AZ101	*9.06*
1	-	90°	Spring return from right to left	XB5AD41	*22.66*	ZB5AD4	*15.86*	ZB5AZ101	*9.06*
1	1		Stay put	XB5AD25	*22.15*	ZB5AD2	*8.45*	ZB5AZ105	*15.35*
2	-	3- position	Stay put	XB5AD33	*22.66*	ZB5AD3	*9.06*	ZB5AZ103	*14.21*
2	-	±45°	Spring return to centre	XB5AD53	*30.08*	ZB5AD5	*15.86*	ZB5AZ103	*14.21*

Long handle, black									
1	-	2-position 90°	Stay put	XB5AJ21	*21.01*	ZB5AJ2	*11.95*	ZB5AZ101	*9.06*
2	-	3- position	Stay put	XB5AJ33	*30.08*	ZB5AJ3	*12.46*	ZB5AZ103	*14.21*
		±45°	Spring return to centre	XB5AJ53	*34.61*	ZB5AJ5	*19.88*	ZB5AZ103	*14.21*

Compact push-in terminal connections

XB5AD255

Type of contact N/O	N/C	Positions Number	Type	Complete unit (#) Reference	Price (S$)	Head (*) Reference	Price (S$)	Body Reference	Price (S$)
Standard handle, black									
1	-	2-position	Stay put	XB5AD215	*32.87*	ZB5AD2	*8.45*	ZB5AZ1015	*13.88*
1	-	90°	Spring return from right to left	XB5AD415	*34.76*	ZB5AD4	*15.86*	ZB5AZ1015	*13.88*
1	1		Stay put	XB5AD255	*42.47*	ZB5AD2	*8.45*	ZB5AZ1055	*23.48*
2	-	3- position	Stay put	XB5AD335	*43.40*	ZB5AD3	*9.06*	ZB5AZ1035	*23.48*
2	-	±45°	Spring return to centre	XB5AD535	*45.40*	ZB5AD5	*15.86*	ZB5AZ1035	*23.48*

Screw clamp terminal connections

Key switches with key no. 455									
1	-	2-position 90°	Stay put	XB5AG21	*41.92*	ZB5AG2	*33.48*	ZB5AZ101	*9.06*
				XB5AG41	*39.14*	ZB5AG4	*34.61*	ZB5AZ101	*9.06*
			Spring return to left	XB5AG61	*46.45*	ZB5AG6	*33.48*	ZB5AZ101	*9.06*
2	-	3- position	Stay put	XB5AG03	*58.40*	ZB5AG0	*44.19*	ZB5AZ103	*14.21*
		±45°		XB5AG33	*47.59*	ZB5AG3	*33.48*	ZB5AZ103	*14.21*

Compact push-in terminal connections

Key switches with key no. 455									
1	-	2-position 90°	Stay put	XB5AG215	*67.97*	ZB5AG2	*33.48*	ZB5AZ1015	*13.88*
				XB5AG415	*67.97*	ZB5AG4	*34.61*	ZB5AZ1015	*13.88*
			Spring return to left	XB5AG615	*73.39*	ZB5AG6	*33.48*	ZB5AZ101	*9.06*

Illuminated selector switches with standard handle, with integral LED

ZB5FK1233

*NEW Flush mount head available on request

Type of contact N/O	N/C	Positions Number	Type	Supply voltage (V)	Colour of handle	Complete unit (#) Reference	Price (S$)	Head (*) Reference	Price (S$)	Body Reference	Price (S$)
1	1	2-position	Stay put	24V ac/dc	Green	XB5AK123B5	*45.94*	ZB5AK1233	*21.01*	ZB5AW0B15	*23.79*
					Red	XB4BL4322	*POR*	ZB5AK1243	*21.01*	ZB5AW0B15	*23.79*
					Orange	XB5AK125B5	*45.94*	ZB5AK1253	*21.01*	ZB5AW0B15	*23.79*
			90°	220…240V ac	Green	XB5AK123M5	*52.12*	ZB5AK1233	*21.01*	ZB5AW0B15	*23.79*
					Red	XB5AK124M5	*52.12*	ZB5AK1243	*21.01*	ZB5AW0B15	*23.79*
					Orange	XB5AK125M5	*52.12*	ZB5AK1253	*21.01*	ZB5AW0B15	*23.79*

(#) Complete units will not be entitled for exchange. Please order head and body references.

(*) NEW Flush mounting heads available upon enquiry. Please consult your sales representative.

Harmony® XB5, plastic Ø22

Double headed pushbuttons, Mushroom head pushbuttons, Emergency stop trigger action

unit price (excl. GST in Singapore Dollars)

Double headed pushbuttons (1)

Screw clamp terminal connections (Schneider Electric anti-retightening system)

XB5AL73415

Shape of head	Description	Type of contact NO	Type of contact NC	Colour and marking of caps (2)	Reference	Price (S$)
	2 pushes (1 flush black + 1 projecting red)	1	1	White “I” on green background White “0” on red background	XB5AL73415	35.74

Compact push-in terminal connections

Shape of head	Description	Type of contact NO	Type of contact NC	Colour and marking of caps (2)	Reference	Price (S$)
	2 pushes (1 flush black + 1 projecting red)	1	1	White “I” on green background White “0” on red background	XB5AL734155 (ZB5AZ1055 + ZB5AL7341)	49.41

Double-headed pushbuttons + 1 white central pilot light block (1)

Screw clamp terminal connections (Schneider Electric anti-retightening system)

XB5BW73731●5

Shape of head	Description	Type of contact NO	Type of contact NC	Colour and marking of caps (2)	Pilot light voltage (V)	Reference	Price (S$)
	1 flush black push 1 projecting red push 1 white central pilot light block	1	1	White “I” on green background	24	XB5AW73731B5	39.14
				White “0” on red *background*	120	XB5AW73731G5	47.59
					240	XB5AW73731M5	43.05

Mushroom head pushbuttons Ø40 mm

XB5AC21

Shape of head	Type of contact N/O	Type of contact N/C	Colour of push	Complete unit (#) Reference	Complete unit (#) Price (S$)	Head Reference	Head Price (S$)	Body Reference	Body Price (S$)
	1	-	Black	XB5AC21	23.79	ZB5AC2	14.73	ZB5AZ101	9.06

Emergency stop trigger action and mechanical latching pushbuttons, Ø40 mm (Red)

Screw clamp terminal connections

XB5AT842

XB5AS8442

Shape of head	Type of reset	Type of contact N/O	Type of contact N/C	Complete unit (#) Reference	Complete unit (#) XB4BL4322	Head Reference	Head Price (S$)	Body Reference	Body Price (S$)
	Push-pull	-	1	XB5AT842	35.74	ZB5AT84	24.41	ZB5AZ102	9.68
	Turn to release	-	1	XB5AS8442	24.93	ZB5AS844	18.13	ZB5AZ102	9.68
	key release (key no.455)	-	1	XB5AS9442	57.27	ZB5AS944	42.54	ZB5AZ102	9.68

(1) Recommended maximum number of contacts constituting the body (fi xing collar + contact) associated with the head, see catalogue.

(2) These caps are fitted by Schneider Electric and cannot be removed (risk of damage).

(#) Complete units will not be entitled for exchange. Please order head and body references.

Compact push-in terminal connections

Shape of head	Type of reset	Type of contact N/O	Type of contact N/C	Complete unit (#) Reference	Complete unit (#) XB4BL4322	Head Reference	Head Price (S$)	Body Reference	Body Price (S$)
	Turn to release	-	1	XB5AS8442	24.93	ZB5AS844	18.13	ZB5AZ1025	POR
		1	1	XB5AS84455	POR	ZB5AS844		ZB5AZ1055	23.48
			2	XB5AS84445	85.15			ZB5AZ1045	POR

unit price (excl. GST in Singapore Dollars)

Pilot lights with integral LED

Screw clamp terminal connections

XB5AVB5

XB5FV043

*NEW Flush mount head available on request

Shap of head	Supply voltage (V)	Colour	Complete unit (#) Reference	Price (S$)	Head (*) Reference	Price (S$)	Body Reference	Price (S$)
Protected LED	24V a.c./ d.c. 50/60 Hz	White	XB5AVB1	*18.75*	ZB5AV013	*9.06*	ZB5AVB1	*10.30*
		Green	XB5AVB3	*18.75*	ZB5AV033	*9.06*	ZB5AVB1	*10.30*
		Red	XB5AVB4	*18.75*	ZB5AV043	*9.06*	ZB5AVB1	*10.30*
		Orange	XB5AVB5	*18.75*	ZB5AV053	*9.06*	ZB5AVB1	*10.30*
		Blue	XB5AVB6	*18.75*	ZB5AV063	*9.06*	ZB5AVB1	*10.30*
	110...120V 50/60 Hz	White	XB5AVG1	*24.41*	ZB5AV013	*9.06*	ZB5AVG1	*10.92*
		Green	XB5AVG3	*24.41*	ZB5AV033	*9.06*	ZB5AVG1	*10.92*
		Red	XB5AVG4	*24.41*	ZB5AV043	*9.06*	ZB5AVG1	*10.92*
		Orange	XB5AVG5	*24.41*	ZB5AV053	*9.06*	ZB5AVG1	*10.92*
		Blue	XB5AVG6	*24.41*	ZB5AV063	*9.06*	ZB5AVG1	*10.92*
	230...240V 50/60 Hz	White	XB5AVM1	*24.93*	ZB5AV013	*9.06*	ZB5AVM1	*16.48*
		Green	XB5AVM3	*24.93*	ZB5AV033	*9.06*	ZB5AVM1	*16.48*
		Red	XB5AVM4	*24.93*	ZB5AV043	*9.06*	ZB5AVM1	*16.48*
		Orange	XB5AVM5	*24.93*	ZB5AV053	*9.06*	ZB5AVM1	*16.48*
		Blue	XB5AVM6	*24.93*	ZB5AV063	*9.06*	ZB5AVM1	*16.48*

Compact push-in terminal connections

XB5AVB45

Shap of head	Supply voltage (V)	Colour	Complete unit (#) Reference	Price (S$)	Head (*) Reference	Price (S$)	Body Reference	Price (S$)
Protected LED	24V a.c./ d.c. 50/60 Hz	White	XB5AVB15	*28.39*	ZB5AV013	*9.06*	ZBVB15	*15.91*
		Green	XB5AVB35	*28.39*	ZB5AV033	*9.06*	ZBVB15	*15.91*
		Red	XB5AVB45	*28.39*	ZB5AV043	*9.06*	ZBVB15	*15.91*
		Orange	XB5AVB55	*28.39*	ZB5AV053	*9.06*	ZBVB15	*15.91*
		Blue	XB5AVB65	*28.39*	ZB5AV063	*9.06*	ZBVB15	*15.91*

Pilot lights for BA 9s base fitting, with plain lens

XB5AV65

XB5AV44

Shap of head	Supply voltage (V)	Colour	Complete unit (#) Reference	Price (S$)	Head Reference	Price (S$)	Body Reference	Price (S$)
Direct supply, for BA 9s ulb, U <= 250V, 2.4W max. (bulb not included)								
	≤250 d.c.	White	XB5AV61	*22.66*	ZB5AV01	*6.08*	ZB5AV6	*12.46*
		Green	XB5AV63	*18.13*	ZB5AV03	*6.08*	ZB5AV6	*12.46*
		Red	XB5AV64	*18.13*	ZB5AV04	*6.08*	ZB5AV6	*12.46*
		Orange	XB5AV65	*18.13*	ZB5AV05	*6.08*	ZB5AV6	*12.46*
Via integral transformer with 1.2 VA, 6 V secondary. BA 9s incandescent bulb (included)								
	230V 50Hz 220...240V 60Hz	White	XB5AV41	*47.59*	ZB5AV01	*6.08*	ZB5AV4	*32.34*
		Green	XB5AV43	*39.14*	ZB5AV03	*6.08*	ZB5AV4	*32.34*
		Red	XB5AV44	*39.14*	ZB5AV04	*6.08*	ZB5AV4	*32.34*
		Orange	XB5AV45	*47.59*	ZB5AV05	*6.08*	ZB5AV4	*32.34*

Pilot lights with integral LED

XB5EV●●

Shape of head	Supply voltage (V)	Colour	Complete unit Reference	Price(S$)
Protected LED	24V a.c./ d.c. 50/60 Hz	White	XB5EVB1	*21.01*
		Green	XB5EVB3	*21.01*
		Red	XB5EVB4	*21.01*
		Orange	XB5EVB5	*21.01*
		Blue	XB5EVB6	*40.99*
		Yellow	XB5EVB8	*21.01*
	230...240V 50/60 Hz	White	XB5EVM1	*24.93*
		Green	XB5EVM3	*24.93*
		Red	XB5EVM4	*24.93*
		Orange	XB5EVM5	*30.08*
		Blue	XB5EVM6	*50.26*
		Yellow	XB5EVM8	*24.93*

Accessories: Guards

ZBZ1600

Description	Application	Colour	Reference	Price (S$)
Metal guards Padlockable (1)	For Emergency Stop function only, following Ø 40 trigger-action pushbuttons: XB4BT8, XB4BS8, XB4BS9, XB5AT8, XB5AS8, XB5AS9,	Chromium plated	ZBZ1600	*40.79*
		Black	ZBZ1602	*40.79*
		Red	ZBZ1604	*40.79*
		Yellow	ZBZ1605	*40.79*
		Blue	ZBZ1606	*40.79*

Harmony® XB5, plastic Ø22

Specific functions: USB, RJ45 ports, Timers, Complete potentiometers 3-phase pilot lights with integral LED

unit price (excl. GST in Singapore Dollars)

USB and RJ45 ports

XB5PUSB3

Description	Interface type	Connection type	Degree of protection	Reference	Price (S$)
Panel-mounted USB and RJ45 ports in 22.5mm/ 0.886 in. hole with notch	USB interface, jack type A	UOB port 3.0 A-A	IP 20 IP 66, IP 67, IP69K with protection cover	XB5PUSB3	POR

XB5PRJ45

Description	Interface type	Connection type	Degree of protection	Reference	Price (S$)
Panel-mounted RJ45 port in 22.5 mm / 0.9 in. hole with elastomer cover	Ethernet interface, RJ45 jack	RJ45 Ethernet 10 Gbi	IP64 front, IP67 front, IP20 back (conforming to IEC 60529)	XB5PRJ45SP1	POR
Panel-mounted USB and RJ45 ports in 22.5mm/ 0.886 in. hole with notch	Ethernet interface, RJ45 jack	RJ45 port Cat. 6	IP 20 IP 66, IP 67, IP69K with protection cover	XB5PRJ45	POR

ZBSP2

Description	Interface type	Connection type	Degree of protection	Reference	Price (S$)
Panel-mounted RJ45 port in 22.5 mm / 0.9 in. hole with metal screw cover	Ethernet interface, RJ45 jack	RJ45 port Cat. 6	IP66 front, IP67 front, IP69 front, IP20 back (IEC 60529)	XB5PRJ45SP2	POR
Panel-mounted USB port in 22.5 mm / 0.886 in. hole ,with notch plastic bezel ,elastomer cover	USB interface, jack type A	UOB port 3.0 A–A	IP 20 IP 66, IP 67, IP69K with protection cover	XB5PUSB3SP1	POR

XB5PUSB3SP2

Description	Interface type	Connection type	Degree of protection	Reference	Price (S$)
Panel-mounted USB port in 22.5 mm / 0.886 in. hole, plastic bezel, metal screw cover	USB interface, jack type A	UOB port 3.0 A–A	IP20 (back), IP66 front, IP67 front, IP69 front	XB5PUSB3SP2	POR

Description	For use with	Colour	Sold in lots of	Reference	Price (S$)
Plastic protection cover IP65/IP67	Ø22 mm USB and RJ45 ports	Black	10	ZBSP1	POR
Rigid plastic protection cover IP65/IP67	Ø22 mm USB and RJ45 ports	Transparent	1	ZBSP2	POR
Metal protection cover IP65/IP67/IP69K	Ø22 mm USB and RJ45 ports	Silver	1	ZBSP3	POR

Complete potentiometer

XB5AD912R1K

Description	Resistance k Ω	Reference	Price (S$)
+/- 10% linear mode precision complete potentiometer with screw terminals	1	XB5AD912R1K	235.66
	4.7	XB5AD912R4K7	235.66
	10	XB5AD912R10K	235.66
	47	XB5AD912R47K	235.66

3-phase pilot lights with integral LED Faston connector, 6.3 mm

XB5EV57K4

XB5EV57L4

Shape of head	Supply voltage V	Colour	Reference	Price (S$)
Complete units - With plain lens				
	400 a.c. 50/60 Hz	Red Green Yellow	XB5EV57K4	514.38
	400 a.c. 50/60 Hz	White White White	XB5EV57L4	540.44

Annunciators (IP 66/67/69K)

XB5KS2B4

Characteristics	Supply voltage V	Colour	Reference	Price (S$)
Continuous or intermittent non-illuminated buzzer - 90dB : 4/6.8kHz	24 V a.c./d.c - 50 or 60 Hz	-	XB5KSB	128.65
	110…120 V a.c./d.c. - 50 or 60 Hz	-	XB5KSG	143.38
	230…240 V a.c. - 50 or 60 Hz	-	XB5KSM	128.65
Continuous or intermittent illuminated buzzer - 90dB : 4/6.8kHz	24 V a.c./d.c - 50 or 60 Hz	Red	XB5KS2B4	134.31
	110…120 V a.c./d.c. - 50 or 60 Hz	Red	XB5KS2G4	159.24
	230…240 V a.c. - 50 or 60 Hz	Red	XB5KS2M4	144.51
	24 V a.c./d.c - 50 or 60 Hz	Yellow	XB5KS2B8	134.31
	110…120 V a.c./d.c. - 50 or 60 Hz	Yellow	XB5KS2G8	159.24
	230…240 V a.c. - 50 or 60 Hz	Yellow	XB5KS2M8	144.51

Control and signalling units Ø16
Harmony® XB6, plastic
Spring return illuminated pushbuttons, with integral LED

unit price (excl. GST in Singapore Dollars)

Illuminated pushbuttons (with 12…24 V LED included)

Type of push	Type of contact N/O	Type of contact N/C	Colour of push	Complete unit (#) Reference	Price(S$)	Head Reference	Price(S$)	Body (*) Reference	Price(S$)
Flush of push									
XB6 DW●●●B	1	-	White	**XB6DW1B1B**	*41.92*	**ZB6DW1**	*13.60*	**ZB6ZB11B**	*28.94*
			Green	**XB6DW3B1B**	*41.92*	**ZB6DW3**	*13.60*	**ZB6ZB31B***	*28.94*
	-	1	Red	**XB6DW4B2B**	*41.92*	**ZB6DW4**	*13.60*	**ZB6ZB42B***	*47.90*
	1	1	White	***XB6DW1B5B***	*45.32*	**ZB6DW1**	*13.60*	**ZB6ZB15B***	*32.34*
			Green	**XB6DW3B5B**	*45.32*	**ZB6DW3**	*13.60*	**ZB6ZB35B***	*32.34*
			Red	**XB6DW4B5B**	*45.32*	**ZB6DW4**	*13.60*	**ZB6ZB45B***	*32.34*
XB6 CW●●●B	1	-	White	**XB6CW1B1B**	*43.05*	**ZB6CW1**	*POR*	**ZB6ZB11B**	*28.94*
			Green	**XB6CW3B1B**	*43.05*	**ZB6CW3**	*POR*	**ZB6ZB31B***	*28.94*
	-	1	Red	**XB6CW4B2B**	*43.05*	**ZB6CW4**	*POR*	**ZB6ZB42B***	*47.90*
	1	1	White	**XB6CW1B5B**	*POR*	**ZB6CW1**	*POR*	**ZB6ZB15B***	*32.34*
			Green	**XB6CW3B5B**	*45.94*	**ZB6CW3**	*POR*	**ZB6ZB35B***	*32.34*
			Red	**XB6CW4B5B**	*45.94*	**ZB6CW4**	*POR*	**ZB6ZB45B***	*32.34*
XB6 AW●●●B	1	-	White	**XB6AW1B1B**	*41.92*	**ZB6AW1**	*POR*	**ZB6ZB11B**	*28.94*
			Green	**XB6AW3B1B**	*41.92*	**ZB6AW3**	*POR*	**ZB6ZB31B***	*28.94*
	-	1	Red	**XB6AW4B2B**	*50.99*	**ZB6AW4**	*POR*	**ZB6ZB42B***	*47.90*
	1	1	White	**XB6AW1B5B**	*44.81*	**ZB6AW1**	*POR*	**ZB6ZB15B***	*32.34*
			Green	**XB6AW3B5B**	*44.81*	**ZB6AW3**	*POR*	**ZB6ZB35B***	*32.34*
			Red	**XB6AW4B5B**	*44.81*	**ZB6AW4**	*POR*	**ZB6ZB45B***	*32.34*
Projecting of push									
XB6 DE●●●B	1	-	Green	**XB6DE3B1B**	*POR*	**ZB6DE3**	*32.34*	**ZB6ZB31B***	*28.94*
	-	1	Red	**XB6DE4B2B**	*POR*	**ZB6DE4**	*POR*	**ZB6ZB42B***	*47.90*
XB6 CE●●●B	1	-	Green	**XB6CE3B1B**	*POR*	**ZB6CE3**	*27.19*	**ZB6ZB31B***	*28.94*
	-	1	Red	**XB6CE4B2B**	*POR*	**ZB6CE4**	*POR*	**ZB6ZB42B***	*47.90*
XB6 AE●●●B	1	-	Green	**XB6AE3B1B**	*73.65*	**ZB6AE3**	*POR*	**ZB6ZB31B***	*28.94*
	-	1	Red	**XB6AE4B2B**	*100.43*	**ZB6AE4**	*POR*	**ZB6ZB42B***	*47.90*
	1	1	White	**XB6AE1B5B**	*POR*	**ZB6AE1**	*POR*	**ZB6ZB15B***	*32.34*
			Green	**XB6AE3B5B**	*64.58*	**ZB6AE3**	*POR*	**ZB6ZB35B***	*32.34*
			Red	**XB6AE4B5B**	*POR*	**ZB6AE4**	*POR*	**ZB6ZB45B***	*32.34*

(#) Complete units will not be entitled for exchange. Please order head and component(*) references.

Body (*)	Component	Price(S$)	Body (*)	Component	Price(S$)
ZB6ZB15B*	**ZB6E2B**	*POR*	**ZB6ZB42B***	**ZB6EB4B**	*19.26*
	ZB6EB1B	*19.26*		**ZB6Z2B**	*10.30*
	ZB6Z1B	*10.30*			
ZB6ZB31B*	**ZB6EB3B**	*19.26*	**ZB6ZB45B***	**ZB6E2B**	*POR*
	ZB6Z1B	*10.30*		**ZB6EB4B**	*19.26*
				ZB6Z1B	*10.30*
ZB6ZB35B*	**ZB6E2B**	*POR*			
	ZB6EB3B	*19.26*			
	ZB6Z1B	*10.30*			

Control and signalling units Ø16
Harmony® XB6, plastic
Illuminated pushbuttons, latching, with integral LED
Pilot lights with integral LED

unit price (excl. GST in Singapore Dollars)

Illuminated pushbuttons, latching, flush of push (with 12…24 V LED included)

XB6 DF●●●B

XB6 CF●●●B

XB6 AF●●●B

Type of push	Type of contact N/O	Type of contact N/C	Colour of push	Complete unit (#) Reference	Complete unit (#) Price(S$)	Head Reference	Head Price(S$)	Body (*) Reference	Body (*) Price(S$)
	1	-	Green	XB6DF3B1B	*51.60*	ZB6DF3	*POR*	ZB6ZB31B*	*28.94*
	-	1	Red	XB6DF4B2B	*51.60*	ZB6DF4	*28.33*	ZB6ZB42B*	*47.90*
	1	1	White	XB6DF1B5B	*54.38*	ZB6DF1	*28.33*	ZB6ZB15B*	*32.34*
			Green	XB6DF3B5B	*54.38*	ZB6DF3	*POR*	ZB6ZB35B*	*32.34*
			Red	XB6DF4B5B	*54.38*	ZB6DF4	*28.33*	ZB6ZB45B*	*32.34*
	1	-	Green	XB6CF3B1B	*49.85*	ZB6CF3	*37.08*	ZB6ZB31B*	*28.94*
	-	1	Red	XB6CF4B2B	*POR*	ZB6CF4	*POR*	ZB6ZB42B*	*47.90*
	1	1	White	XB6CF1B5B	*53.25*	ZB6CF1	*37.08*	ZB6ZB15B*	*32.34*
			Green	XB6CF3B5B	*53.25*	ZB6CF3	*37.08*	ZB6ZB35B*	*32.34*
			Red	XB6CF4B5B	*POR*	ZB6CF4	*POR*	ZB6ZB45B*	*32.34*
	1	-	Green	XB6AF3B1B	*49.85*	ZB6AF3	*POR*	ZB6ZB31B*	*28.94*
	-	1	Red	XB6AF4B2B	*POR*	ZB6AF4	*POR*	ZB6ZB42B*	*47.90*
	1	1	White	XB6AF1B5B	*53.25*	ZB6AF1	*POR*	ZB6ZB15B*	*32.34*
			Green	XB6AF3B5B	*105.88*	ZB6AF3	*POR*	ZB6ZB35B*	*32.34*
			Red	XB6AF4B5B	*105.88*	ZB6AF4	*POR*	ZB6ZB45B*	*32.34*

Pilot lights (with 12…24 V LED included)

XB6 DV●BB

XB6 CV●BB

XB6 AV●BB

Shape of head	Colour of lens cap	Complete unit Reference	Complete unit Price(S$)	Head Reference	Head Price(S$)	Body Reference	Body Price(S$)
	White	XB6DV1BB	*27.19*	ZB6DV1	*10.92*	ZB6EB1B	*19.26*
	Green	XB6DV3BB	*27.19*	ZB6DV3	*10.92*	ZB6EB3B	*19.26*
	Red	XB6DV4BB	*27.19*	ZB6DV4	*13.08*	ZB6EB4B	*19.26*
	Yellow	XB6DV5BB	*27.19*	ZB6DV5	*9.06*	ZB6EB5B	*19.26*
	White	XB6CV1BB	*POR*	ZB6CV1	*POR*	ZB6EB1B	*19.26*
	Green	XB6CV3BB	*27.19*	ZB6CV3	*16.27*	ZB6EB3B	*19.26*
	Red	XB6CV4BB	*27.19*	ZB6CV4	*POR*	ZB6EB4B	*19.26*
	Yellow	XB6CV5BB	*27.19*	ZB6CV5	*POR*	ZB6EB5B	*19.26*
	White	XB6AV1BB	*27.19*	ZB6AV1	*12.46*	ZB6EB1B	*19.26*
	Green	XB6AV3BB	*27.19*	ZB6AV3	*8.45*	ZB6EB3B	*19.26*
	Red	XB6AV4BB	*27.19*	ZB6AV4	*8.45*	ZB6EB4B	*19.26*
	Yellow	XB6AV5BB	*27.19*	ZB6AV5	*10.30*	ZB6EB5B	*19.26*

(#) Complete units will not be entitled for exchange. Please order head and component(*) references.

Body (*)	Component	Price(S$)	Body (*)	Component	Price(S$)
ZB6ZB15B*	ZB6E2B	POR	ZB6ZB42B*	ZB6EB4B	19.261
	ZB6EB1B	19.261		ZB6Z2B	10.3
	ZB6Z1B	10.3			
ZB6ZB31B*	ZB6EB3B	19.261	ZB6ZB45B*	ZB6E2B	POR
	ZB6Z1B	10.3		ZB6EB4B	19.261
				ZB6Z1B	10.3
ZB6ZB35B*	ZB6E2B	POR			
	ZB6EB3B	19.261			
	ZB6Z1B	10.3			

Control and signalling units Ø16
Harmony® XB6, plastic
Pushbuttons, Spring return and Emergency stop devices

unit price (excl. GST in Singapore Dollars)

Pushbuttons, spring return with flush push

XB6-DA●●B

XB6-CA●●B

XB6-AA●●B

Shape of head	Type of contact N/O	Type of contact N/C	Colour	Complete unit Reference	Complete unit Price(S$)	Head Reference	Head Price(S$)	Body Reference	Body Price(S$)
	1	-	White	**XB6DA11B**	*30.08*	**ZB6DA1**	*24.93*	**ZB6Z1B**	*10.30*
			Green	**XB6DA31B**	*30.08*	**ZB6DA3**	*24.93*	**ZB6Z1B**	*10.30*
	-	1	Black	**XB6DA22B**	*POR*	**ZB6DA2**	*21.01*	**ZB6Z2B**	*10.30*
			Red	**XB6DA42B**	*POR*	**ZB6DA4**	*29.46*	**ZB6Z2B**	*10.30*
	1	1	White	**XB6DA15B**	*POR*	**ZB6DA1**	*24.93*	**ZB6Z5B**	*17.00*
			Black	**XB6DA25B**	*72.62*	**ZB6DA2**	*21.01*	**ZB6Z5B**	*17.00*
			Green	**XB6DA35B**	*43.67*	**ZB6DA3**	*24.93*	**ZB6Z5B**	*17.00*
			Red	**XB6DA45B**	*POR*	**ZB6DA4**	*29.46*	**ZB6Z5B**	*17.00*
	1	-	White	**XB6CA11B**	*30.08*	**ZB6CA1**	*POR*	**ZB6Z1B**	*10.30*
			Green	**XB6CA31B**	*61.08*	**ZB6CA3**	*POR*	**ZB6Z1B**	*10.30*
	-	1	Black	**XB6CA22B**	*POR*	**ZB6CA2**	*POR*	**ZB6Z2B**	*10.30*
			Red	**XB6CA42B**	*POR*	**ZB6CA4**	*POR*	**ZB6Z2B**	*10.30*
	1	1	White	**XB6CA15B**	*POR*	**ZB6CA1**	*POR*	**ZB6Z5B**	*17.00*
			Black	**XB6CA25B**	*36.26*	**ZB6CA2**	*POR*	**ZB6Z5B**	*17.00*
			Green	**XB6CA35B**	*POR*	**ZB6CA3**	*POR*	**ZB6Z5B**	*17.00*
			Red	**XB6CA45B**	*72.62*	**ZB6CA4**	*POR*	**ZB6Z5B**	*17.00*
	1	-	White	**XB6AA11B**	*50.26*	**ZB6AA1**	*POR*	**ZB6Z1B**	*10.30*
			Green	**XB6AA31B**	*36.87*	**ZB6AA3**	*POR*	**ZB6Z1B**	*10.30*
	-	1	Black	**XB6AA22B**	*POR*	**ZB6AA2**	*POR*	**ZB6Z2B**	*10.30*
			Red	**XB6AA42B**	*61.08*	**ZB6AA4**	*POR*	**ZB6Z2B**	*10.30*
	1	1	White	**XB6AA15B**	*POR*	**ZB6AA1**	*POR*	**ZB6Z5B**	*17.00*
			Black	**XB6AA25B**	*36.26*	**ZB6AA2**	*POR*	**ZB6Z5B**	*17.00*
			Green	**XB6AA35B**	*36.26*	**ZB6AA3**	*POR*	**ZB6Z5B**	*17.00*
			Red	**XB6AA45B**	*43.67*	**ZB6AA4**	*POR*	**ZB6Z5B**	*17.00*

Emergency stop trigger action and mechanical latching pushbuttons Ø30 (red)

XB6 AS8349B

XB6 AS9349B

Shape of head	Type of contact N/O	Type of contact N/C	Type of reset	Complete unit Reference	Complete unit Price(S$)	Head Reference	Head Price(S$)	Body Reference	Body Price(S$)
	-	2	**Turn to** release	**XB6AS8349B**	*62.93*	**ZB6AS834**	*47.07*	**ZB6Z5B**	*17.00*
	-	2	**Key** release (key no. 200)	**XB6AS9349B**	*84.46*	**ZB6AS934**	*81.58*	**ZB6Z5B**	*17.00*

Control and signalling units Ø16
Harmony® XB6, plastic
Selector switches and key switches

unit price (excl. GST in Singapore Dollars)

Selector switches with standard black handle (switching angle: 60°)

XB6 AD●●●B

Shape of head	Type of contact N/O	Type of contact N/C	Positions Number	Positions Type	Complete unit Reference	Complete unit Price(S$)	Head Reference	Head Price(S$)	Body Reference	Body Price(S$)
	1	-	2-stay put		XB6AD221B	*48.72*	ZB6AD22	*38.52*	ZB6Z1B	*10.30*
	1	1	2-stay put		XB6AD225B	*54.38*	ZB6AD22	*38.52*	ZB6Z5B	*17.00*
			3-stay put		XB6AD235B	*79.93*	ZB6AD23	*38.52*	ZB6Z5B	*17.00*

Key switches (Ronis key no. 200) *(1)*

XB6 AG●●B

Shape of head	Type of contact N/O	Type of contact N/C	Positions Number	Positions Type	Complete unit Reference	Complete unit Price(S$)	Head Reference	Head Price(S$)	Body Reference	Body Price(S$)
	1	1	2-stay put		XB6AGC5B	*58.40*	ZB6AGC	*48.20*	ZB6Z5B	*17.00*
			3-stay put		XB6AGH5B	*POR*	ZB6AGH	*73.65*	ZB6Z5B	*17.00*

(1) Key n° 200, withdrawal from all positions.

Harmony® XB7, plastic Ø22

Monolithic pushbuttons, switches and pilot lights

Monolithic illuminated pushbuttons, switches and pilot lights

unit price (excl. GST in Singapore Dollars)

Pushbuttons

XB7NA31

Shape of head	Type of contact N/O	N/C	Colour of push	Sold in lots of	Unit Reference	Price (S$)
Spring return pushbutton without marking						
Flush	1	-	White	10	XB7NA11	7.31
	1	-	Black	10	XB7NA21	7.31
	1	-	Green	10	XB7NA31	7.31
	1	-	Yellow	10	XB7NA81	7.31
	1	1	White	10	XB7NA15	14.01
	1	1	Black	10	XB7NA25	8.45
	1	1	Green	10	XB7NA35	18.54
	1	1	Red	10	XB7NA45	16.48
	1	1	Blue	10	XB7NA65	8.45
	-	1	Red	10	XB7NA42	7.31
	2	-	Black	10	XB7NA23	9.06
	2	-	Green	10	XB7NA33	9.06
Projecting	-	1	Red	10	XB7NL42	11.95

XB7NH2●

Latching pushbutton without marking						
Flush	1	-	Black	10	XB7NH21	13.08
	1	-	Green	10	XB7NH31	13.08
	1	1	Black	10	XB7NH25	14.21
	1	1	Green	10	XB7NH35	21.01

Illuminated pushbuttons, with protecting push and integral LED

XB7NW33●1

With integral LED

Shape of head	Type of push	Voltage	Colour of lens	Sold in lots of	Unit Reference	Price (S$)
	Spring return push	24V a.c./d.c.	Green	10	XB7NW33B1	*21.01*
			Red	10	XB7NW34B1	*21.01*
				10	XB7NW34B2	*21.01*
			Orange	10	XB7NW35B1	*26.68*
			Blue	10	XB7NW36B1	*22.15*
			Clear	10	XB7NW37B1	*22.15*
			Yellow	10	XB7NW38B1	*22.15*
		230V a.c.	Green	10	XB7NW33M1	*27.81*
			Red	10	XB7NW34M1	*28.94*
				10	XB7NW34M2	*28.94*

XB7NW3361

With BA 9s base fitting (2)

Shape of head	Type of push	Colour of lights	Sold in lots of	Unit references (1) 250V a.c. max	Price (S$)
	Spring return	Green	10	XB7NW3361	*17.61*

unit price (excl. GST in Singapore Dollars)

Pilot lights

XB7EV08●P

With integral LED

With integral LED Shape of head	Type of light source (included)	Supply voltage (V)	Colour of lens	Sold in lots of	Unit reference	Price (S$)
	Integral LED	24V a.c./d.c.	Green	10	XB7EV03BP	9.68
			Red	10	XB7EV04BP	9.68
			Yellow	10	XB7EV05BP	9.68
			Blue	10	XB7EV06BP	9.68
			Clear	10	XB7EV07BP	9.68
			Orange	10	XB7EV08BP	9.68
		120V a.c.	Green	10	XB7EV03GP	10.92
			Red	10	XB7EV04GP	10.92
			Yellow	10	XB7EV05GP	10.92
			Blue	10	XB7EV06GP	10.92
			Clear	10	XB7EV07GP	10.92
			Orange	10	XB7EV08GP	10.92
		230V a.c.	Green	10	XB7EV03MP	9.68
			Red	10	XB7EV04MP	9.68
			Yellow	10	XB7EV05MP	14.73
			Blue	10	XB7EV06MP	14.73
			Clear	10	XB7EV07MP	10.92
			Orange	10	XB7EV08MP	10.92

XB7EV●●P

With BA 9s base fitting (2)

Shape of head	Supply	Supply voltage (V)	Colour of lens	Sold in lots of	Unit reference	Price (S$)
	Direct, through resistor, for bulb (included) 130V, 2.6W max.	230V~, 50-60 Hz	Green	10	XB7EV73P	13.08
			Red	100	XB7EV74P	13.08
			Yellow	100	XB7EV75P	18.75
			Clear	1	XB7EV77P	15.35
			Orange	10	XB7EV78P	25.54
	Direct for BA 9s base fitting incandescent bulb *(1)*	≤ 250V (2)	Green	10	XB7EV63P	7.31
			Red	10	XB7EV64P	7.31
			Yellow	10	XB7EV65P	7.31
			Blue	10	XB7EV66P	9.06
			Clear	10	XB7EV67P	7.31
			Orange	1	XB7EV68P	12.36

(1) Bulb is not included.

(2) Bulb characteristics for direct supply pilot lights: 2.6 W maximum.

Harmony® XB7, plastic Ø22

Monolithic selector switches, key switches and Emergency trigger action

unit price (excl. GST in Singapore Dollars)

Selector switches and key switches

XB7ND2●

XB7NG●●

Shape of head	Type of operator	Type of Contact NO	Type of Contact NC	Number and type of positions (1)	Sold in lots of	Unit Reference	Price (S$)
	Standard handle. black	1	-	2, stay put	10	XB7ND21	12.46
		1	1	2, stay put	10	XB7ND25	14.21
		2	-	3, stay put	10	XB7ND33	14.21
	Key (key n° 455)	1	-	2, key withdrawal in LH position	10	XB7NG21	23.28
		2	-	3, key withdrawal in centre position	10	XB7NG33	27.81

Monolithic Ø40 mm Emergency stop trigger action and Emergency switching off

XB7NS8445

Shape of head	Type of push	Type of Contact NO	Type of Contact NC	Colour of push	Sold in lots of	Unit Reference	Price (S$)
	Turn to release	-	1	Red	10	XB7NS8442	21.53
		1	1	Red	10	XB7NS8445	22.66
	Key release (key n° 455)	-	2	Red	10	XB7NS9444	37.39
		1	1	Red	10	XB7NS9445	37.39

Control stations

XAL, Complete stations (screw clamp terminal connections)

For Harmony® XB5 plastic Ø 22 control and signalling units

unit price (excl. GST in Singapore Dollars)

Start or Stop function (light grey base "RAL 7035", dark grey lid "RAL 7016")

XALD102

XALD101H29

XALD164

Description	Type of push	Type of contacts N/O	N/C	Marking	Reference	Price (S$)
Marking on pushbutton						
1 spring return pushbutton	Flush green	1	-	I	XALD102	*52.30*
				Start	XALD103	*52.30*
		1	1	I	XALD102E	*POR*
Marking on legend holder and legend below head						
1 spring return pushbutton	Flush green	1	-	Start	XALD101H29	*50.60*
Marking on legend below head						
1 mushroom head pushbutton Ø 40mm spring return	Red	-	1	Arrêt	XALD164	*61.60*

Emergency Stop function, with trigger action (light grey base "RAL 7035", yellow lid "RAL 1012")

XALK178●

XB7ND2●

XALK198

Description	Type	Type of contacts N/O	N/C	Marking	Reference	Price (S$)
Unmarked						
1 mushroom head pushbutton Ø 40mm, red Turn to release	Trigger action	-	1	-	XALK178	*60.00*
		-	2	-	XALK178F	*72.10*
		1	1	-	XALK178E	*72.10*
		1	2	-	XALK178G	*83.10*
1 mushroom head pushbutton Ø 40mm, red Key release (key nº 455)	Trigger action	-	1	-	XALK188	*84.20*
		-	2	-	XALK188F	*92.40*
		1	1	-	XALK188E	*92.40*
		1	2	-	XALK188G	*101.20*
1 mushroom head pushbutton Ø 40mm, red Push-pull	Trigger action	-	1	-	XALK198	*62.70*

Control stations

XAL, Complete stations (screw clamp terminal connections)

For Harmony® XB5 plastic Ø 22 control and signalling units

unit price (excl. GST in Singapore Dollars)

Start-Stop function (light grey base "RAL 7035", dark grey lid "RAL 7016")

XALD215

XALD211H29

Description	Type of push	Type of contacts N/O	N/C	Marking	Reference	Price (S$)
Marking on pushbutton						
2 spring return pushbutton	1 flush green 1 flush red	1 -	- 1	I O	XALD213	*82.19*
				Start Stop	XALD215	*82.19*
		1 1	1 1	I O	XALD213E	*103.72*
	1 flush green 1 projecting red	1 -	- 1	I O	XALD214	*85.59*
				Start Stop	XALD225	*123.50*
Marking on legend holder and legend below head						
2 spring return pushbutton	1 flush green 1 flush red	1 -	- 1	Start Stop	XALD211H29	*79.93*
1 selector switch 2-position stay put	Standard handle	1	-	O - I	XALD134	*57.78*

XALD363●

Description	Type of push	Type of contacts N/O	N/C	Marking	Pilot light supply	Reference	Price (S$)
With pilot light and marking on pushbutton							
2 spring return pushbuttons and 1 pilot light with integral red LED	1 flush green 1 flush red	1 -	- 1	I O	≈ 24	XALD363B	*125.25*
					~ 120	XALD363G	*138.23*
					~ 230	XALD363M	*146.16*

Two function (light grey base "RAL 7035", dark grey lid "RAL 7016")

XALD222

Description	Type of push	Type of contacts N/O	N/C	Marking	Reference	Price (S$)
Marking on pushbutton						
2 spring return pushbuttons	1 flush white 1 flush black	1 1	- -	⇧ ⇩	XALD222	*82.19*
				⇨ ⇦	XALD223	*129.16*
		1 1	1 1	⇧ ⇩	XALD222E	*103.72*

Three function (light grey base "RAL 7035", dark grey lid "RAL 7016")

XALD339

Description	Type of push	Type of contacts N/O	N/C	Marking	Reference	Price (S$)
Marking on pushbutton						
3 spring return pushbuttons	1 flush green 1 flush red 1 flush green	1 - 1	- 1 -	I O II	XALD339	*122.36*
	1 flush white 1 flush red 1 flush black	1 - 1	- 1 -	⇧ O ⇩	XALD324	*122.36*
	1 flush white 1 flush red 1 flush black	1 - 1	- 1 -	⇧ O ⇩	XALD325	*122.98*
2 spring return pushbuttons + 1 latching mushroom head pushbutton Ø 30mm	1 flush white 1 mushroom head red (1) 1 flush black	1 - 1	- 1 -	⇧ O ⇩	XALD328	*136.58*

(1) Standard "turn to release".

Control stations

XAL, Stations for customer assembly

For Harmony® XB5 plastic Ø 22 control and signalling units

unit price (excl. GST in Singapore Dollars)

Empty enclosures

XALD02

Description	Nos. of ways	Yellow lid "RAL 1012" for Emergency stop function Reference	Price (S$)	Dark grey lid "RAL 7016" Reference	Price (S$)
For normal environments (with stainless steel lid fixing screws)					
Light grey base "RAL 7035"	1	XALK01	*35.74*	XALD01	*30.08*
	2	XALK02	*41.92*	XALD02	*35.74*
	3	XALK03	*49.34*	XALD03	*42.54*
	4	XALK04	*86.73*	XALD04	*60.05*
	5	XALK05	*106.50*	XALD05	*73.65*

Electrical blocks and accessories (for mounting on metal plate at back of enclosure)

ZENL1111

ZALVM●

Description	Type	Colour	Sold in lots of	Unit reference	Unit Price (S$)
Electrical blocks with screw clamp terminal connections					
Standard contact blocks (1)	N/O contact	-	5	ZENL1111	*13.60*
	N/C contact	-	5	ZENL1121	*13.60*
Light blocks with integral LED (1)	24V a.c./d.c.	White	5	ZALVB1	*17.61*
		Green	5	ZALVB1	*17.61*
		Red	5	ZALVB1	*17.61*
		Yellow	5	ZALVB1	*17.61*
		Blue	5	ZALVB1	*17.61*
	230…240V a.c.	White	5	ZALVM1	*28.94*
		Green	5	ZALVM1	*28.94*
		Red	5	ZALVM1	*28.94*
		Yellow	5	ZALVM1	*28.94*
		Blue	5	ZALVM1	*28.94*

Heads for pilot lights

Shape of head		Colour	Reference	Price (S$)
	For use with bodies comprising a light block With integral LED	White	ZB5CV013	*15.35*
		Green	ZB5CV033	*15.35*
		Red	ZB5CV043	*15.35*
		Yellow	ZB5CV053	*15.35*
		5 colours (2)	ZB5CV003	*40.17*

Heads for spring return illuminated pushbuttons

ZB5CV0●3

Shape of head		Type of push	Colour	Reference	Price (S$)
	For use with bodies comprising a light block with integral LED	Flush for insertion of legend	White	ZB5CW313	*21.01*
			Green	ZB5CW333	*21.01*
			Red	ZB5CW343	*25.54*

(1) A maximum of 3 electrical blocks may be fitted per associated head.

(2) Head supplied with 5 coloured lenses (white, green, red, yellow, blue) for insertion of a legend.

Signalling solutions
Harmony XV4 Modular Tower Lights
Ø40 mm, for Customer Assembly

unit price (excl. GST in Singapore Dollars)

Base modules for mounting (IP65)

XV4C21BT

Description	Voltage / Connection	Color	Reference	Price (S$)
Standard base modules with tube adapter and cover	24 V	White	XV4C21BT	*POR*
	100-240v		XV4C21MX	*POR*
with base and cover	24V		XV4C21BG	*POR*
with wall mount adapter and cover	24V		XV4C21BL	*POR*
with base, 3-pin adapter, and cover	24V		XV4C21BP	*POR*

Light modules with steady light signal (IP65)

XV4C23

Description	Light-Source	Lens Type	Color	Reference	Price (S$)
Light modules with energy-efficient LED	LED, included 24 V a/c	Color lens	Green	XV4C23	*POR*
			Red	XV4C24	*POR*
			Orange	XV4C25	*POR*
			Blue	XV4C26	*POR*
			White	XV4C27	*POR*
		Clear lens	Green	XV4C23C	*POR*
			Red	XV4C24C	*POR*
			Orange	XV4C25C	*POR*
			Blue	XV4C26C	*POR*

Light modules with blinking light signal (IP65)

XV4C54

Description	Light-Source	Color	Reference	Price (S$)
Light modules with energy-efficient LED	LED, included 24 V a/c	Green	XV4C53	*POR*
		Red	XV4C54	*POR*
		Orange	XV4C55	*POR*
		Blue	XV4C56	*POR*
		White	XV4C57	*POR*

Light modules with multi-colored lens (IP65)

Description	Light-Source	Color	Reference	Price (S$)
Light modules with energy-efficient LED	LED, included 24 V a/c	Red, Green, Yellow, Blue, Violet, Turquoise, or White	XV4C29	*POR*

Audible modules

XV4C9S

Description	Sound pattern	Color	Reference	Price (S$)
Sounder - 360° omnidirectional sound 73dBA-95dBA at 1 m	2-tone buzzer	white	XV4C9S	*POR*
	8-tone buzzer	white	XV4C9T	*POR*
		White	XV6C9TW	*POR*
		Black	XV6C9V	*POR*
	External power input to select up to 16 channels	White	XV6C9VW	*POR*

Mounting bases with base adapter

Description	Material	Color	Reference	Price (S$)
Direct mount adapter	Plastic	White	XV4C010	*POR*
Wall mount to base adapter			XV4C040	*POR*
Tube adapter			XV4C020	*POR*
Direct mount 3-pin adapter			XV4C030	*POR*
Body extender			XV4CT00	*POR*

Signalling solutions
Harmony XVC Monolithic tower lights
Ø 40 and Ø 60 mm, complete pre-wired tower lights

unit price (excl. GST in Singapore Dollars)

Complete, pre-wired tower lights Ø 40 mm

XVC4B● *XVC4B●5S*

Description	Light source (included)	Voltage V	Signaling colours (1) Steady	Flashing (2)	Reference	Price (S$)
For support tube mounting, 17 mm						
Without buzzer	LED for steady light only	≈ 24	R	–	XVC4B1	*157.71*
			R, O	–	XVC4B2	*280.82*
			R, O, G	–	XVC4B3	*223.72*
			R, O, G, B	–	XVC4B4	*250.17*
			R, O, G, B, C	–	XVC4B5	*349.42*
With buzzer + flashing light	LED for steady or flashing light	≈ 24	R	R	XVC4B15S	*248.81*
			R, O	R, O	XVC4B25S	*449.66*
			R, O, G	R, O, G	XVC4B35S	*307.27*
			R, O, G, B	R, O, G, B	XVC4B45S	*359.68*
			R, O, G, B, C	R, O, G, B, C	XVC4B55S	*558.80*
For base mounting						
Without buzzer	LED for steady light only	≈ 24	R	–	XVC4B1K	*174.03*
			R, O	–		
			R, O, G	–	XVC4B3K	*210.74*
			R, O, G, B	–	XVC4B4K	*237.31*
			R, O, G, B, C	–	XVC4B5K	*400.46*

Complete, pre-wired tower lights Ø 60 mm

XVC6B●

XVC6B●5SK

Description	Light source (included)	Voltage V	Signaling colours (1) Steady	Flashing (2)	Reference	Price (S$)
For support tube mounting, 22 mm						
Without buzzer	LED for steady light only	≈ 24	R, O	–		
			R, O, G	–	XVC6B3	*270.56*
			R, O, G, B	–	XVC6B4	*310.73*
			R, O, G, B, C	–	XVC6B5	*739.75*
With buzzer + flashing light	LED for steady or flashing light	≈ 24	R	R		
			R, O	R, O		
			R, O, G	R, O, G	XVC6B35S	*370.55*
			R, O, G, B	R, O, G, B	XVC6B45S	*449.41*
			R, O, G, B, C	R, O, G, B, C	XVC6B55S	*608.48*
For base mounting						
Without buzzer	LED for steady light only	≈ 24	R, O, G	–	XVC6B3K	*249.55*
			R, O, G, B, C	–		
With buzzer + flashing light	LED for steady or flashing light	≈ 24	R	R	XVC6B15SK	*246.09*
			R, O	R, O	XVC6B25SK	*418.14*
			R, O, G	R, O, G	XVC6B35SK	*327.66*
			R, O, G, B	R, O, G, B		
			R, O, G, B, C	R, O, G, B, C		

Accessories for support tube mounting

Description	Diameter mm	Minimun height to be added mm	Reference	Price (S$)
Metal fixing plate for XVC6B● and XVC6B●5S	100	30	XVCZ02	*74.26*
Metal fixing plate for XVC6B● K and XVC6B●5SK	81	21.6	XVCZ12	*131.43*

XVCZ02

(1) Signaling colours: R: Red, G: Green, O: Orange, B: Blue, C: Clear. The colours are listed in the same order as the mounting order of the illuminated units (from top to bottom).

(2) Flashing function can be simply selected/programmed by wiring.

Signalling solutions
Harmony XV6 Modular Tower Lights
Ø60 mm, for Customer Assembly

unit price (excl. GST in Singapore Dollars)

Base modules for tube mounting (IP65)

XV6C21B

Description	Voltage / Connection	Color	Reference	Price (S$)
Standard base modules with tube and cover	24 V	Grey	XV6C21B	*POR*
		White	XV6C21BW	*POR*
	100–240 V	Grey	XV6C21BL	*POR*
		White	XV6C21BLW	*POR*
	5 V c Modbus protocol USB 2.0 Type C connection (cable not included)	Grey	XV6C21BP	*POR*
		White	XV6C21BPW	*POR*
		Silver	XV6C21M	*POR*
USB base modules		White	XV6C21M	*POR*

Light modules with steady light signal (IP65)

XV6C23

Description	Light-Source	Color	Reference	Price (S$)
Light modules with energy-efficient LED	LED, included 24 V a/c	Green	XV6C23	*POR*
		Red	XV6C24	*POR*
		Orange	XV6C25	*POR*
		Blue	XV6C26	*POR*
		White	XV6C27	*POR*
		Yellow	XV6C28	*POR*

Light modules with blinking light signal (IP65)

XV6C54

Description	Light-Source	Color	Reference	Price (S$)
Light modules with energy-efficient LED	LED, included 24 V a/c	Green	XV6C53	*POR*
		Red	XV6C54	*POR*
		Orange	XV6C55	*POR*
		Blue	XV6C56	*POR*
		White	XV6C57	*POR*
		Yellow	XV6C58	*POR*

Light modules with Flashing light signal (IP65)

XV6C65

Description	Light-Source	Color	Reference	Price (S$)
Light modules with energy-efficient LED	LED, included 24 V a/c 2 Joule flash	Green	XV6C63	*POR*
		Red	XV6C64	*POR*
		Orange	XV6C65	*POR*
		Blue	XV6C66	*POR*
		White	XV6C67	*POR*
		Yellow	XV6C68	*POR*

Light modules with multi-colored lens (IP65)

Description	Light-Source	Color	Reference	Price (S$)
Light modules with energy-efficient LED	LED, included 24 V a/c	Red, Green, Yellow, Blue, Violet, Turquoise, or White	XV6C29	*POR*

Signalling solutions
Harmony XV6 Modular Tower Lights
Ø60 mm, for Customer Assembly

unit price (excl. GST in Singapore Dollars)

Audible modules

Description	Sound pattern	Color	Reference	Price (S$)
Sounder	2-tone buzzer	Black	XV6C9S	*POR*
- 360° omnidirectional sound 73dBA-95dBA at 1 m		White	XV6C9SW	*POR*
	8-tone buzzer	Black	XV6C9T	*POR*
		White	XV6C9TW	*POR*
	External power input to select up to 16 channels	Black	XV6C9V	*POR*
		White	XV6C9VW	*POR*

Light modules with steady light signal (IP65)

XV6C23C

Description	Light-Source	Color	Reference	Price (S$)
Light modules with energy-efficient LED	LED, included 24 V a/c	Green	XV6C23C	*POR*
		Red	XV6C24C	*POR*
		Orange	XV6C25C	*POR*
		Blue	XV6C26C	*POR*

Signalling solutions
Harmony XVBC Modular tower lights
Ø 70 mm, for customer assembly

unit price (excl. GST in Singapore Dollars)

Illuminated units with integral "flash" discharge tube

XVBC6●● XVBC8●●

Description	Light source	Colour	with 5 Joule "flash" discharge tube		with 10 Joule "flash" discharge tube	
			Reference	Price (S$)	Reference	Price (S$)
Illuminated units with integral LED	≈ 24V	Green	XVBC6B3	*518.25*		
		Red	XVBC6B4	*343.98*	XVBC8B4	*401.08*
		Orange	XVBC6B5	*313.45*	XVBC8B5	*401.08*
		Blue	XVBC6B6	*268.52*	XVBC8B6	*343.92*
		Clear	XVBC6B7	*POR*	XVBC8B7	*POR*
		Yellow	XVBC6B8	*313.45*	XVBC8B8	*POR*

Audible units

XVBC9●

Description	Characteristics	Reference	Price (S$)
Buzzer, 90dB at 1 m Adjustable: - 70 or 90 dB - continuous or inte tone using microswitch	≈ 12…48V	XVBC9B	*190.34*
	~ 120…230V	XVBC9M	*247.45*

Base units (for direct or tube fixing)

XVBC07

Description	For use with	Type	Reference	Price (S$)
Base unit + cover with bottom or side cable entry	Banks without "flash" discharge tube unit	Standard	XVBC21	*POR*
Base unit only with bottom or side cable entry	Banks with "flash" discharge tube unit	Standard	XVBC07	*83.68*
Base unit + cover with side cable entry	All types of bank	AS-Interface	XVBC21A	*443.97*
Base unit + cover with bottom entry, pre-cabled (length 1m) and fitted with M12 end connector	All types of bank	AS-Interface	XVBC21B	*452.75*

Accessories specific to indicator banks XVB C

XVBC14

Description	Application	Unit reference	Price (S$)
Cover only	For use with XVBC2, XVBC3, XVBC4 XVBC5 and XVBC9	XVBC081	*17.67*
Adaptor for side entry through base unit	With 13P cable gland	XVBC14	*17.06*

XVBZ0●

Description	Height under base unit (mm)	Colour	Reference	Price (S$)
Fixing bases comprising Ø 25 mm aluminium support tube glued into a black plastic fi xing plate	80	Black aluminium	XVBZ02	*52.41*
		Aluminium	XVBZ02A	*52.41*
	380	Black aluminium	XVBZ03	*76.14*
		Aluminium	XVBZ03A	*91.83*
	780	Black aluminium	XVBZ04	*101.35*

Description	For use with	Material	Reference	Price (S$)
Support tube concealment cover Fixing plate for use on horizontal support	Support tubes XVB Z02, XVB Z02A	ABS	XVBC020	*33.37*
	Ø 25 mm aluminium support tube	Plastic	XVBZ01	*20.39*

Signalling solutions
Harmony XVB7 Modular Tower Lights
Ø70 mm, for Customer Assembly

unit price (excl. GST in Singapore Dollars)

Base modules for direct mounting (IP66) OR TUBE MOUNTING (IP65)

XVB7C21B

Description	Voltage / Connection	Color	Reference	Price (S$)
Standard base modules with adapter and cover	24 V a/c, push-in terminals	Dark grey	XVB7C21B	*79.98*
	24 V a/c, push-in terminals	silver	XVB7C21BQ	*POR*
	24 V c M12 connector (A-coded, 15 cm cable)	Dark gray	XVB7C61	*187.24*
	100–240 V a / 120 V c, push-in terminals	Dark grey	XVB7C21M	*254.93*
	100–240 V a / 120 V c, push-in terminals	Silver	XVB7C21MQ	*POR*
Connected base modules with adapter, cover, and wiring pull-out protection	5 V c Modbus protocol USB 2.0 Type C connection (cable not included)	Dark grey	XVB7C51	*POR*
	24 V c IO-Link protocol (V1.1) M12 connector (A-coded, 15 cm cable)	Dark grey	XVB7C31	*340.09*

Light modules with steady light signal (IP66)

XVB7C23

Description	Light-Source	Color	Reference	Price (S$)
Light modules with energy-efficient LED	LED, included 24 V a/c	Green	XVB7C23	*75.58*
		Red	XVB7C24	*75.58*
		Orange	XVB7C25	*75.58*
		Blue	XVB7C26	*79.25*
		White	XVB7C27	*79.25*
		Yellow	XVB7C28	*79.25*

Light modules with blinking light signal (IP66)

XVB7C54

Description	Light-Source	Color	Reference	Price (S$)
Light modules with energy-efficient LED	LED, included 24 V a/c	Green	XVB7C53	*127.75*
		Red	XVB7C54	*117.40*
		Orange	XVB7C55	*127.75*
		Blue	XVB7C56	*127.75*
		White	XVB7C57	*135.32*
		Yellow	XVB7C58	*127.75*

Light modules with flashing light signal (IP66)

XVB7C65

Description	Light-Source	Color	Reference	Price (S$)
Light modules with energy-efficient LED	LED, included 24 V a/c	Green	XVB7C63	*208.84*
		Red	XVB7C64	*196.44*
		Orange	XVB7C65	*196.44*
		Blue	XVB7C66	*231.05*
		White	XVB7C67	*231.05*
		Yellow	XVB7C68	*196.44*

Signalling solutions
Harmony XVB7 Modular Tower Lights
Ø70 mm, for Customer Assembly

unit price (excl. GST in Singapore Dollars)

2

Rotating and multifunction modules (IP66)

Description	Light-Source	Color	Reference	Price (S$)
Rotating modules with energy-efficient LED	LED, included 24 V a/c	Red	XVB7CR4	*POR*
		Orange	XVB7CR5	*POR*
Multifunction module adjustable via dip switch: - 8 colors, 4 light patterns - Steady, blinking, 2 x flash, 3 x flash	LED, included 24 V a/c	Clear lens 8 colors (blue, green, orange, red, white, yellow, turquoise, and purple)	XVB7CM9	*313.01*

Beacon lenses with steady light signal (IP66)

XVB7L27

Description	Light-Source	Color	Reference	Price (S$)
Beacon lenses with energy-efficient LED	LED, included 24 V a/c	Green	XVB7L23	*158.49*
			XVB7L24	*158.49*
		Red	XVB7L25	*158.49*
		Orange	XVB7L26	*126.79*
		Blue	XVB7L27	*184.73*
		White	XVB7L28	*184.73*
		Yellow		

Beacon lenses with flashing light signal (IP66)

XVB7L64

Description	Light-Source	Color	Reference	Price (S$)
Light modules with energy-efficient LED	LED, included 24 V a/c	Green	XVB7L63	*345.20*
			XVB7L64	*262.83*
		Red	XVB7L65	*262.83*
		Orange	XVB7L66	*345.20*
		Blue	XVB7L67	*345.20*
		White	XVB7L68	*345.20*
		Yellow		

Audible modules

XVB7C9S

Description	Sound pattern	Color	Reference	Price (S$)
Sounder - 360° omnidirectional sound - 88 to 102 dB (A) at 1 m - Voltage: 24 V a/c	2-tone buzzer (continuous or intermittent)	Dark gray	XVB7C9S	*132.36*
		Silver	XVB7C9SQ	*POR*
	8-tone buzzer (continuous or intermittent)	Dark gray	XVB7C9T	*POR*
Customizable sounder/voice alarm - Type-C USB for programming - IP66 (upright position) - 16 maximum tones (8 MB memory) - 88 dB (A) at 1 m - Supports MP3/Wav files - Voltage: 24 V c	Vocal	Dark gray	XVB7C9SS	*POR*
Self-adjusting sounder - Sound pressure automatically adjusts based on ambient sound - 80 to 100 dB (A) at 1 m - Voltage: 24 V a/c	1-tone buzzer (intermittent)	Dark gray	XVB7C9V	*POR*

Signalling solutions
Harmony XVB7 Modular Tower Lights
Ø70 mm, for Customer Assembly

unit price (excl. GST in Singapore Dollars)

Mounting bases without tube

Description	Material	Color	Reference	Price (S$)
Mounting bases for tube mounting	Plastic	Dark gray	XVZ01	*42.37*
		Silver	XVZ01Q	*POR*
		White	XVZ01W	*POR*
	Metal	Balck	XVZ11	*92.25*

Mounting bases with tube

XVZ02

Description	Height mm/in.	Material	Color	Reference	Price (S$)
Plastic mounting bases	100 / 3.94	Plastic	Dark gray	XVZ02	*24.26*
			Silver	XVZ02Q	*POR*

Mounting bases with tube

XVZ250

Description	Height mm/in.	Material	Color	Reference	Price (S$)
Plastic mounting bases	100 / 3.94	Aluminum	Silver	XVZ100	*19.45*
	250/ 9.84	Aluminum	Silver	XVZ250	*21.61*
	400/ 15.75	Aluminum	Silver	XVZ400	29.4683
	800/ 31.5	Aluminum	Silver	XVZ800	*61.25*

L brackets with integrated tube

XVZ100T

Description	Height mm/in.	Material	Color	Reference	Price (S$)
Steel L brackets comprising a Ø 25 mm/0.98 in aluminum tube	100 / 3.94	Aluminum (tube) Steel (bracket)	Silver	XVZ100T	*14.95*
	250/9.84	Aluminum (tube) Steel (bracket)	Silver	XVZ250T	*25.34*

Brackets

XVZ06

Description	Material	Color	Reference	Price (S$)
Foldable brackets for mounting at various angles	Plastic	Dark gray	XVZ100T	*14.95*
		White	XVZ06W	*POR*
Wall mounting bracket for use on vertical support	Plastic	Dark gray	XVZ09	*49.24*

Other mounting accessories

XVZ07

Description	Material	Color	Reference	Price (S$)
1/2" NPT adapter	Steel	Silver	XVZ00	*61.06*
Side cable entry adapter for base mounting	Plastic	Dark gray	XVZ07	*64.26*
Magnetic adapter for base mounting	Plastic	Dark gray	XVZ09	*49.24*

Signalling solutions
Harmony XVU Modular tower lights
Ø 60 mm, for customer assembly

unit price (excl. GST in Singapore Dollars)

Beacons for customer assembly

XVUC23

XVUC26

XVUC28

XVUC27

XVUC9S

XVUC21M

XVUZ02

XVUZ06

Description	Signalling Type	Voltage	Power	Colour	Reference	Price (S$)
Illuminated LED units: IP 65						
High brightness LED units	Steady	24 V	2.5 W	Green	XVUC23	*86.40*
			2.0 W	Red	XVUC24	*95.17*
			2.0 W	Orange	XVUC25	*95.17*
			2.5 W	Blue	XVUC26	*97.89*
			2.5 W	White	XVUC27	*97.89*
			TBC	Yellow	XVUC28	*95.17*
	Blinking	24 V	1.2 W	Green	XVUC43	*121.75*
			0.9 W	Red	XVUC44	*121.75*
			0.9 W	Orange	XVUC45	*121.75*
			1.2 W	Blue	XVUC46	*142.76*
			1.2 W	White	XVUC47	*173.41*
			1.2 W	Yellow	XVUC48	*121.75*
unit	Steady/ blinking/ flashin	24V	1.5 W	Multi-color (green, red, orange, blue, white, yellow)	XVUC29	*249.55*
Pulse signal Multi-color LED unit (1)	Steady/ blinking/ flashin rotating	24V	1.7 W	Multi-color (green, red, orange, blue)	XVUC29P	*259.07*

(1) 1 signal wire, 2 power wires. Adaptable for both NPN and PNP. Controlled by PLCdynamically.

Description	Voltage	Power	Colour	Reference	Price (S$)
Audible units: IP 54					
Buzzer, adjustable 70...85 dB at 1 m/3.281 ft (4 configurations of audible signal)	24 V	1.7 W	Black	XVUC9S	*159.07*
			Silver	XVUC9SQ	*174.03*
Sound, adjustable 0...86 dB at 1m/3.281 ft (4 channels)	24 V	1.7 W	Black	XVUC9V	*299.85*
Pulse signal voice unit 0...86 dB at 1m/3.281 ft (16 channels) (2)	24 V	1.7 W	Black	XVUC9VP	*316.17*

Description	Voltage	Colour	Reference		Price (S$)
Body units: IP 65					
Body unit with top cover (3)	24 V	Black	XVUC21B		*73.42*
		Silver	XVUC21BQ		*88.37*
	~ 100 to 240 V	Black	XVUC21M	(4)	*162.53*
		Black	XVUC21MP	(5)	*162.53*

(2) 1 signal wire, 2 power wires. Adaptable for both NPN and PNP. 16 channels can be controlled by PLC.
(3) Direct mounting plate XVUZ01 needed for direct mounting
(4) NPN type
(5) PNP type

Description	Voltage	Colour	Reference		Price (S$)
Accessories					
Body extender	24 V	Black	XVUC020		*140.04*
Direct mounting plate		Black	XVUZ01		*47.59*
			XVUZ03	(6)	*47.59*
			XVUZ04	(7)	*47.59*
		Silver	XVUZ01Q		*53.02*
Aluminium fixing plate with 100 mm/3.937 in. pole		Black	XVUZ02		*66.00*
		Silver	XVUZ02Q		*80.96*
Aluminium adjustment pole and fixing plate for height adjustment (8)		Black	XVUZ05		*196.52*
Flexible mounting element for use on horizontal or vertical support, IP55		Black	XVUZ06		*98.63*

(6) Two-foot mounting
(7) Four-foot mounting
(8) Only for use with DC body unit.

Signalling solutions
Harmony XVR Rotating beacons Ø 100 (multi-functional LED beacon)

unit price (excl. GST in Singapore Dollars)

Complete, pre-cabled motor-less rotating/flashing beacons

XVR3B03

XVR3B04S

XVR3E06

Diameter mm	Sound option	IP degree of protection	Voltage (V)	Colour	Reference	Price (S$)
Ø 100	Without buzzer	IP 65 (Upright) IP 23 (Sideways, inverted)	⎓ 12-24	Green	XVR3B03	*293.45*
				Red	XVR3B04	*293.45*
				Orange	XVR3B05	*293.45*
				Blue	XVR3B06	*293.45*
			~ 100-230	Green	XVR3M03	*293.45*
				Red	XVR3M04	*293.45*
				Orange	XVR3M05	*293.45*
				Blue	XVR3M06	*293.45*
Ø 100	With buzzer	IP 23 (Upright, sideways, inverted)	⎓ 12-24	Green	XVR3B03S	*554.66*
				Red	XVR3B04S	*365.44*
				Orange	XVR3B05S	*365.44*
				Blue	XVR3B06S	*365.44*
			~ 100-230	Green	XVR3M03S	*365.44*
				Red	XVR3M04S	*365.44*
				Orange	XVR3M05S	*365.44*
				Blue	XVR3M06S	*365.44*
Ø 100	Without buzzer	IP 65 (Upright) IP 23 (Sideways, inverted)	⎓ 48	Red	XVR3E03	*608.01*
				Orange	XVR3E04	*445.89*
				Green	XVR3E05	*293.45*
				Blue	XVR3E06	*608.01*

unit price (excl. GST in Singapore Dollars)

XVS14BMW

XVS72BM●●

Description	Voltage	Colour	Reference	Price (S$)
Multisound siren 105 dB, 43 tones	12/24 VDC	White	XVS14BMW	375.64
	120 VAC	White	XVS14GMW	521.80
	120 - 230 VAC	White	XVS14MMW	421.48
Electronic alarms 90 dB, 16 tones Panel Mount DIN72	12 /24 VDC/AC	PNP, Black	XVS72BMBP	277.59
		PNP, White	XVS72BMWP	277.59
		NPN, Black	XVS72BMBN	277.59
		NPN, White	XVS72BMWN	277.59

Pendant control stations
Double insulated, type XAC-A for control circuits
Empty enclosures and separate components

unit price (excl. GST in Singapore Dollars)

Empty enclosures

XACA●●

Description	Number of ways	Reference	Price (S$)
Enclosure comprising:	2	XACA02	226.60
- the enclosure,	3 *(1)*	XACA03	219.29
-internal mounting plate,	4	XACA04	256.06
-cable sleeve for Ø 8 to 26mm cable,	5 *(1)*	XACA05	262.86
-internal cable clamp,	6	XACA06	281.60
-suspension ring,	8	XACA08	300.25
-cable tie (for tightening sleeve onto cable).	12	XACA12	389.24

Contact blocks for front mounting

ZB2BE10●

XENG1491

Description	Application	Function	Reference	Price (S$)
Single block, spring return slow break	Single speed	N/O	ZB2BE101	9.68
		N/C	ZB2BE102	9.68
		N/C + N/O + N/O simultaneous (2)	XENG1491	66.85
	2 speed	N/C + N/O + N/O staggered (2)	XENG1191	64.07

Isolating switch,slow break,for front mounting

XENT1192

For mounting in enclosure	Application	Function	Reference	Price (S$)
XACA03 (frontal cut-out) XACA,A06, A08 (frontal or base cut-out)	"Emergency stop"	N/C + N/C + N/C with postiive opening operation	XENT1192	93.52

Contact blocks for base mounting

XACS10●

Description	Function	Reference	Price (S$)
Spring return slow break (4)	N/O	XACS101	33.48
	N/C	XACS102	33.48
	N/O + N/O	XACS103	79.93
	N/C + N/C	XACS104	55.52
	N/C + N/O	XACS105	55.52

Pilot light bodies for front mounting

ZB2BV006

ZB2BV007

Description	Supply voltage	Reference	Price (S$)
Direct supply Bulb not included (5)	<=400V	ZB2BV006	12.46

(1) Enclosures with 3 cut-outs XACA03 and 5 cut-outs XACA05 cannot be fitted with a mounting adaptor for base mounted units.

(2) Only for use with XACA9 III operators.

(3) Not suitable for use with the following operating heads: ZA2BB,ZA2BD,ZA2BG and ZA2BS.

(4) Not suitable for use with 3-position operating heads ZA2-BD and ZA2BG or for mounting in enclosure XACA039 and XACA03.

(5) Bulb types for use with direct supply:BA9s base fitting incandescent bulb U ≤130 V or neon bulb 110V ≤ U ≤ 400V; maximum power 2.6W, maxium Ø 11mm, maximum length 28mm.

Pendant control stations
Double insulated, type XAC-A for control circuits
Separate components

unit price (excl. GST in Singapore Dollars)

Operating heads for front mounting

XACA94●●

Description	Colour	Sold in lot of	Reference	Price (S$)
Booted operators, complete	White	10	XACA9411	12.46
	Black	10	XACA9412	12.46
	Green	10	XACA9413	12.46
	Red	10	XACA9414	12.46
	Yellow	10	XACA9415	12.46
	Blue	10	XACA9416	12.46
	Brown	10	XACA9419	24.00

Operating heads for front or base mounting

ZA2BS834

ZA2BD●

ZA2BG4

ZA2BB2

Description	Colour	Type	Reference	Price (S$)
Mushroom head, trigger action, latching Turn to release (Emergency stop)	Red	Ø 30mm	ZA2BS834	54.38
		Ø 40mm	ZA2BS844	63.45
Selector switches, standard handle (Not to be used with XENGIIII contact blocks)	Black	2 position stay put	ZA2BD2	13.60
		3 position stay put (1)	ZA2BD3	13.60
Key switches (Ronis key n^0 455) Key withdrawal in left and right hand positions	-	2 position stay put	ZA2BG4	41.41
Wobblesticks (2) for "Fast stop" function	Black	-	ZA2BB2	173.25

Pilot light heads

ZA2BV0●

Description	Colour	Reference	Price (S$)
For use with incandescent bulbs			
Lens cap with fixing bezel	White	ZA2BV01	9.68
	Green	ZA2BV03	9.68
	Red	ZA2BV04	9.68
	Clear	ZA2BV07	19.36

(1) Only suitable for front mounting
(2) Base mounting recommended

Pendant control stations
Double insulated, type XAC-A for control circuits
Bulbs, complementary accessories, tools and legend plates

unit price (excl. GST in Singapore Dollars)

Bulbs (Sold in lots of 10)

DL1C●●●●

DL1CF●●●

Description	Voltage (V)	Sold in lots of	Reference	Unit Price (S$)
Incandescent	6V	10	DL1CB006	*4.84*
BA 9s base fitting	12V	10	DL1CB012	*POR*
Maximum power : 2.6W	24V	10	DL1CE024	*8.45*
Maximum Ø: 11mm	48V	10	DL1CE048	*8.45*
Maximum length: 28mm	130V	10	DL1CE130	*8.45*
Neon	110V	10	DL1CF110	*11.95*
BA 9s base fitting	230V	10	DL1CF220	*11.95*
Maximum power : 2.6W				
Maximum Ø: 11mm				
Maximum length: 28mm				

Complementary accessories, tools

XACA960

XACA009

ZB2SZ3

XACB961

XACA971

Description		Reference	Price (S$)
Protective cable sleeve	For cable Ø 8 to 26mm	XACA960	*60.05*
Mechanical interlock for 2 operators	with fixing screws	XACA009	*10.92*
Blanking plug	With seal and fixing nut	ZB2SZ3	*6.08*
Adaptor for self-support cable type BBAP	Mounted with protective sleeve for cable Ø 8 to 26mm	XACB961	*12.46*
Lower support ting	-	XACA971	*18.13*
Protective guards for base mounted units	For selector switch (std. Handle) or mushroom head pushbutton	XACA982	*36.87*
	For key switch or key release latching mushroom head pushbutton	XACA983	*38.01*
Bulb extractor	For BA 9s base fitting bulbs	XBFX13	*7.31*

unit price (excl. GST in Singapore Dollars)

Cobot references

Advanced motion control and robotics
Lexium servo drives, motors, and robotics series are designed for a broad range of motion-centric machines. From single-axis to highperformance multi-axis machines, the Lexium range enables high-speed movements and precise positioning in packaging, material handling, material working, electronics, and food and beverage applications.

2

Combination of Cobot and Controller for a stand-alone solution

	Cobot				
Cobot Controller	LXMRL03S0000	LXMRL05S0000	LXMRL07S0000	LXMRL12S0000	LXMRL18S0000
LXMRL03C1000	3KG payload	NA	NA	NA	NA
LXMRL07C1000	NA	5KG payload	7KG payload	NA	NA
LXMRL12C1000	NA	NA	NA	12KG payload	16KG payload

Designation	Payload KG	References	Price (S$)
Cobot Arm			
	3	LXMRL03S0000	*POR*
	5	LXMRL05S0000	*POR*
	7	LXMRL07S0000	*POR*
	12	LXMRL12S0000	*POR*
	18	LXMRL18S0000	*POR*

Designation	Controller Type	References	Price (S$)
Cobot Controller			
	Control Cabinet 3KG	LXMRL03C1000	*POR*
	Control Cabinet 5-7KG	LXMRL07C1000	*POR*
	Control Cabinet 12-18KG	LXMRL12C1000	*POR*
	Mini Cabinet	LXMRL00C2000	*POR*

Operator dialogue terminals
Harmony GTO Advanced Panels
Connection accessories for terminals

unit price (excl. GST in Singapore Dollars)

Separate components

Description	Characteristic	Compatible with GTO	Reference	Price (S$)
Plastic covers for harsh environments (IP 67 protection)	-	HMI GTO2300 / HMI GTO2310	HMIZECOV2	*225.67*
		HMI GTO5310 / HMI GTO5315	HMIZECOV5	*286.86*
		HMI GTO6310 /HMI GTO6315	HMIZECOV6	*339.69*

Cables for application transfer - Terminal to PC

Type of terminal (terminal end connector)	Connector (PC end)	Type	Length m	Sold in lots of	Reference	Price (S$)
HMI GTO	USB	USB	1.8	1	*BMXXCAUSBH018*	*2,038.40*

Printer connection cables

Type of terminal (terminal end connector)		Type	Length m	Sold in lots of	Reference	Price (S$)
Serial printer for HMI GTO panels (except HMI GTO1310)	SUB-D female 25-way	RS 232C (COM1)	2.5	1	*XBTZ915*	*339.69*

Cables for connecting Magelis terminals to other Schneider Electric products

Description	Type of connector	Physical link	On Port	Length	Reference	Price (S$)
Direct connection of HMI GTO terminals to Schneider Electric PLCs						
Twido, Namo, TSX Micro and Premium PLCs	Mini-DIN	RS485	COM1 COM2	2.5	XBTZ9780	*221.24*
Modicon M221	RJ45	RS485	COM1 COM2	2.5	XBTZ9980	*123.50*
			COM2	10	XBTZ9982	*139.87*

(1)Adaptor XBT ZG919 to be used with cables with " + (1) " after the reference.

Operator dialogue terminals
Small panels with touch screen
Harmony STO, STU

unit price (excl. GST in Singapore Dollars)

Colour touch screen terminals

4.3" screen

Type of screen	Communication	Application memory capacity	Display	Number of Ethernet ports	Reference	Price (S$)
TFT	1 RS232C (9pin) 1 USB Type A 1 USB Type B	16 MB	64K colour (480x272 pixels)	-	HMISTO705**	798.868
TFT	1 RS232C/RS485 1 USB Type A 1 USB Type B	16 MB	64K colour (480x272 pixels)	-	HMISTO715**	814.524
TFT	1 Ethernet 1 USB Type A 1 USB Type B	16 MB	64K colour (480x272 pixels)	-	HMISTO735**	844.909

Colour touch screen terminals

3.5" and 5.7" screen

HMI STU 655

Type of screen	Communication	Application memory capacity	Display	Screen	Reference	Price (S$)
TFT	1 RS232C/RS485 1 Ethernet 1 USB Type A 1 USB Type B	16 MB	65536 colour	3.5"	HMISTU655	981.281
				5.7"	HMISTU855	1225.494

Separate components

Designation	Description/ function	Compatible with	Reference	Price (S$)
Accessories	Install a 4.3" STO into a 3.4" STO's panel cut out	HMISTO7*	HMIZSADCO1	21.939
	RTC battery set for time data backup	HMISTO7*	HMIZSRTC1	85.387

Designation	Description	Light source (included)	Compatible	Reference	Price (S$)
USB Towerlight	100 mm/3.94 in. alumini tube mounting fixing pla and buzzer	Multi-color LED for various states and patterns (red, orange, green, or blue)	HMISTO HMISTU HMIGTO HMIGTU	XVGU3SHAV	263.1444
	direct base mounting and buzzer			XVGU3SWV	243.3684

Vijeo designer software

Description		Reference	Price (S$)
Software for developing an application on 1 PC.		VJDBTPRO1P	1347.858
Software for running an application on 1 PC.	Harmony P6	VJDRTPROH1P	1515.645
	Standard iPC/ legacy Harmony iPC	VJDRTPROS1P	1515.645

**POA: Price on asking*

Operator dialogue terminals
Harmony GTO Optimum Advanced Panels
Advanced Panels with 3.5” to 12.1” touch screen

unit price (excl. GST in Singapore Dollars)

Optimum 24 V DC panels with colour touch screen, standard version (1)

Data entry method	Number of ports	Application memory capacity	Serial link	Embedded Ethernet	Sold in lots of	Reference	Price (S$)
3.5” QVGA TFT LCD screen, 320 x 240 pixels							
Via touch screen + 6 function keys	2 USB	64MB	1 COM1 1 COM2	-	1	HMIGTO1300	*961.09*
	2 USB	96MB	1 COM1	1	1	HMIGTO1310	*1,232.19*
5.7” QVGA TFT LCD screen, 320 x 240 pixels							
Via touch screen	2 USB	64MB	1 COM1 1 COM2	-	1	HMIGTO2300	*1,380.92*
	2 USB	96MB	1 COM1 1 COM2	1	1	HMIGTO2310	*1,896.33*
7.0”WVGA (Wide) TFT LCD screen, 800 x 480 pixels							
8 function keys	2 USB	96MB	1 COM1 1 COM2	1	1	HMIGTO3510	*2,376.21*
7.5” VGA (Wide) TFT LCD screen, 640 x 480 pixels							
Via touch screen	2 USB	96MB	1 COM1 1 COM2	1	1	HMIGTO4310	*3,199.18*
10.4” VGA TFT LCD screen, 640 x 480 pixels							
Via touch screen	2 USB	96MB	1 COM1 1 COM2	1	1	HMIGTO5310	*4,014.84*
12.1” SVGA TFT LCD screen, 800 x 600 pixels							
Via touch screen	2 USB	96MB	1 COM1 1 COM2	1	1	HMIGTO6310	*5,002.20*

Optimum 24 V DC terminals with colour touch screen, Stainless Steel version (1

Data entry method	Number of ports	Application memory capacity	Serial link	Embedded Ethernet	Sold in lots of	Reference	Price (S$)
5.7” QVGA screen, 320 x 240 pixels, with stainless steel frame (IP 66K)							
Via touch screen	2 USB	96MB	1 COM1 1 COM2	1	1	HMIGTO2315	*2,334.19*
10.4” VGA screen, 640 x 480 pixels, with stainless steel frame (IP 66K)							
Via touch screen	2 USB	96MB	1 COM1 1 COM2	1	1	HMIGTO5315	*4,872.00*
12.1” SVGA screen, 800 x 600 pixels, with stainless steel frame (IP 66K)							
Via touch screen	2 USB	96MB	1 COM1 1 COM2	1	1	HMIGTO6315	*6,012.63*

(1) Terminals supplied with fi xing kit (screw clips), locking device for USB connectors and instruction sheet. Setup documentation for Magelis GTO terminals is included in electronic format with Vijeo Designer configuration software.

(2)The Stainless Steel version includes a front with stainless steel frame. Only this version provides IP 66K degree of protection.

Operator dialogue terminals

Harmony GTU - High Performance IoT-ready Modular HMI Panels Display and Boz Module

unit price (excl. GST in Singapore Dollars)

Harmony GTU Universal Display Modules

Data entry method	Size	Resolution	Colors	References	Price (S$)
Advanced Display					
Via touch screen	7"	800x480	262K	HMIDT351	*1,854.21*
	10"	1280x800	262K	HMIDT551	*2,817.98*
	12"	1280x800	262K	HMIDT651	*3,102.67*
Smart Display					
Via touch screen	10.4"	800x480	16M	HMIDT542	*3,383.86*
	12"	1024 x 768	16M	HMIDT642	*3,958.70*
	15" 4:3	1024 x 768	16M	HMIDT732	*4,221.35*
	15" 16:9	1366 x 768	16M	HMIDT752	*4,992.72*
	19" 16:9	1366 x 768	16M	HMIDT952	*6,042.39*

Harmony GTU Universal Box Modules

OS	RAM	Storage	Comms	References	Price (S$)
Standard Box					
Real Time	256MB	1x Flash 1 x SD Card	2 x Serial 2 x F.Ethernet	HMIG2U	*2,523.91*
Premium Box					
Real Time	256MB	2xSD Card	2 x Serial 2 x G.Ethernet	HMIG3U	*2,850.01*
Open Box					
Windows 7 Embedded	2 GB	2xCFast 1x SD Card	2 x Serial 2 x G.Ethernet	HMIG5U2	*5,580.95*
Windows 10 IoT Ent 32Bit	4 GB	2xCFast 1x SD Card	2 x Serial 2 x G.Ethernet	HMIG5U21	*5,580.95*

Operator dialogue terminals
High Resolution and Cost Efficient Basic HMI
Basic/Web/Modular HMI Panels

unit price (excl. GST in Singapore Dollars)

Harmony ST6 Basic HMI Panels

Data entry method	Size	Resolution	Colors	References	Price (S$)
Display					
Via touch screen	4.3"	480x272	16M	HMIST6200	*1,209.74*
	7"	800x480	16M	HMIST6400	*1,752.55*
	10.1"	1024x600	16M	HMIST6500	*2,761.33*
	12.1"	1280x800	16M	HMIST6600	*4,113.61*
	15.6"	1366x768	16M	HMIST6700	*4,758.09*

Harmony STW6 Web HMI Panels

Data entry method	Size	Resolution	Colors	References	Price (S$)
Display					
Via touch screen	4.3"	480x272	16M	HMISTW6200	*1,098.60*
	7"	800x480	16M	HMISTW6400	*1,590.94*
	10.1"	1024x600	16M	HMISTW6500	*2,504.24*
	12.1"	1280x800	16M	HMISTW6600	*3,396.73*
	15.6"	1366x768	16M	HMISTW6700	*4,115.26*

Harmony STM6 Modular HMI Panels

Data entry method	Size	Resolution	Colors	References	Price (S$)
Display					
Via touch screen	4.3"	480x272	16M	HMISTM6200	*POR*
	7"	800x480	16M	HMISTM6400	*POR*
				HMISTM6BOX	*943.07*

Harmony Edge Box HMI

Connection Ports	References	Price (S$)
2 Ethernet TCP/IP - RJ45 - 10/100BASE-T 1 COM1 serial link - RJ45 - RS232C/RS485 1 USB 2.0 port - USB micro-B 1 USB 2.0 port - USB type A	HMISTM6BOXIOT	*1,044.11*

unit price (excl. GST in Singapore Dollars)

Advanced and Standard Modular Box PC

Harmony HMIP6 connects OT (Operational Technology) in the field to IT (Information Technology) for the Industrial Internet of Things. With Node-RED, WiFi, Bluetooth, and Windows operating system running on a Intel Core/Celeron CPU, it is well equipped to wire the Internet of Things.

This range features interface modularity with slot-in design for HDD/SSD, optional interfaces, and optional PCI/PCIe slots for Advanced Box only. The two standard Ethernet ports allow OT and IT communications to be separated if necessary. The secure password boot and TPM encryption module afford a high level of cybersecurity by design.

IPC Specifications

	HMIP67AAEF66BB7N00	HMIP65GAEF60AN3N00	HMIP6CBA0N104NCN00
Processor	Intel Core i7	Intel Core i5	Intel Celeron
Display Size	W22"	W19"	None
Display Resolution	1920x1080 FHD	1920x1080 FHD	None
Supply Voltage	100…240VAC	100…240VAC	100…240VAC
No. of Slots	PCIe x 2	PCIe x 2	None
Main Storage	SSD 256GB HE	SSD 256GB HE	M.2 SSD 128GB
Secondary Storage	SSD 256GB HE	SSD 256GB HE	None
Fan	Fan	Fan	None
Memory Capacity	32GB	16GB	4GB
Option	2 x RS-232	None	None
OS	Win 11	Win 11	Win 11
Price (S$)	POR	POR	POR

Note: For more Product Types and Software please contact Schneider Electric

unit price (excl. GST in Singapore Dollars)

Harmony P6 Advanced/Standard Modular Box PCs

	Product type	Processors	Screen	References	Price (S$)
HMIP63D10N108NEN00	Modular box PC + Touch panel screen (Panel PC)	Core i3 8145UE	16:9, 10.1" display, (1280 x 800 pixels)	HMIP63D10N108NEN00	*POR*
			4:3, 12.1" display, (1024 x 768 pixels)	HMIP63610N108NEN00	*POR*
			16:9, 12.1" display, (1280 x 800 pixels)	HMIP63E10N108NEN00	*POR*
HMIP63F10N108NEN00			4:3, 15" display, (1024 x 768 pixels)	HMIP63710N108NEN00	*POR*
			16:9, 15.6" display, (1366 x 768 pixels)	HMIP63F10N108NEN00	*POR*
			16:9, 18.5" display, (1920 x 1080 pixels)	HMIP63G10N108NEN00	*POR*
			16:9, 21.5" display, (1920 x 1080 pixels)	HMIP63A10N108NEN00	*POR*
HMIP63F10N108NEN00		Celeron 4305UE	4:3, 12.1" display, (1024 x 768 pixels)	HMIP6C6D0N104NJN00	*POR*
			16:9, 12.1" display, (1280 x 800 pixels)	HMIP6CED0N104NJN00	*POR*
			4:3, 15" display, (1024 x 768 pixels)	HMIP6C7D0N104NJN00	*POR*
			16:9, 15.6" display, (1366 x 768 pixels)	HMIP6CFD0N104NJN00	*POR*
			16:9, 18.5" display, (1920 x 1080 pixels)	HMIP6CGD0N104NJN00	*POR*
HMIP63B10N108NEN00			16:9, 21.5" display, (1920 x 1080 pixels)	HMIP6CAD0N104NJN00	*POR*
	Modular box PC	Core i3 8145UE	NA	HMIP63B10N108NEN00	*POR*
		Celeron 4305UE	NA	HMIP6CBD0N104NJN00	*POR*

Harmony P6 Basic Modular Box PCs

	Product type	Processors	Screen	References	Price (S$)
HMIP6ADB0NA0DNAN00	Modular box PC + Touch panel screen (Panel PC)	Atom 2 Cores	16:9, 10.1" display, (4096 x 2304 pixels)	HMIP6ADB0NA0DNAN00	*POR*
			4:3, 12.1" display, (4096 x 2304	HMIP6A6B0NA0DNAN00	*POR*
			16:9, 12.1" display, (4096 x 2304 pixels)	HMIP6AEB0NA0DNAN00	*POR*
HMIP6A7B0NA0DNAN00			4:3, 15" display, (4096 x 2304 pixels)	HMIP6A7B0NA0DNAN00	*POR*
			16:9, 15.6" display, (4096 x 2304	HMIP6AFB0NA0DNAN00	*POR*
			16:9, 18.5" display, (4096 x 2304 pixels)	HMIP6AGB0NA0DNAN00	*POR*
			16:9, 21.5" display, (4096 x 2304 pixels)	HMIP6AAB0NA0DNAN00	*POR*
HMIP6AAB0NA0DNAN00		Atom 4 Cores	16:9, 10.1" display, (4096 x 2304 pixels)	HMIP6DDB0NA0WNAN00	*POR*
			4:3, 12.1" display, (4096 x 2304 pixels)	HMIP6D6B0NA0WNAN00	*POR*
			16:9, 12.1" display, (4096 x 2304 pixels)	HMIP6DEB0NA0WNAN00	*POR*
			4:3, 15" display, (4096 x 2304 pixels)	HMIP6D7B0NA0WNAN00	*POR*
			16:9, 18.5" display, (4096 x 2304 pixels)	HMIP6DFB0NA0WNAN00	*POR*
			16:9, 21.5" display, (4096 x 2304 pixels)	HMIP6DAB0NA0WNAN00	*POR*
HMIP6ABB0NA0DNAN00	Modular box PC	Atom 2 Cores	NA	HMIP6ABB0NA0DNAN00	*POR*
		Atom 4 Cores	NA	HMIP6DBB0NA0WNAN00	*POR*

Harmony iPC
Industrial PC, Edge Box, and Display
Harmony HMIP6 Modular Box PCs

unit price (excl. GST in Singapore Dollars)

Harmony P6 Modular Displays

HMIDM6700TM

HMIDM6800WC

Description	Screen	Interface	References	Price (S$)
12" TFT LCD display flat screen	4:3 12.1", XGA (1024 x 768 pixels)	Multi-touch (2 points) analog resistive	HMIDM6600TM	*POR*
15" TFT LCD display flat screen	4:3 15.0", XGA (1024 x 768 pixels)	Multi-touch (2 points) analog resistive	HMIDM6700TM	*POR*
W10" TFT LCD display flat screen	10.1" W, WXGA (1280 x 800 pixels)	Multi-touch (2 points) projected capacitive	HMIDM6500WC	*POR*
W12" TFT LCD display flat screen	12.1" W, WXGA (1280 x 800 pixels)	Multi-touch (2 points) projected capacitive	HMIDM6600WC	*POR*
W15" TFT LCD display flat screen	15.6" W, FWXGA (1366 x 768 pixels)	Multi-touch (2 points) projected capacitive	HMIDM6700WC	*POR*
W19" TFT LCD display flat screen	18.6" W, FWXGA (1920 x 1080 pixels)	Multi-touch (2 points) projected capacitive	HMIDM6800WC	*POR*
W22" TFT LCD display flat screen	21.5" W, FHD (1920 x 1080 pixels)	Multi-touch (2 points) projected capacitive	HMIDM6900WC	*POR*

Harmony PSA6 All-in-One Panel PCs

HMIPSA6AED18W11

HMIPSA65GD18W11

Display size	Display resolution	Processor	References	Price (S$)
12.1" W	1,280 x 800 pixels (WXGA)	Intel Atom X745E	HMIPSA6AED18W11	*POR*
15"	1,024 x 768 pixels (XGA)	Intel Atom X745E	HMIPSA6A7D18W11	*POR*
15.6" W	1,920 x 1,080 pixels (FHD)	Intel Atom X745E	HMIPSA6AFD18W11	*POR*
15.6" W	1,920 x 1,080 pixels (FHD)	Intel Core i5 1345UE	HMIPSA65FD18W11	*POR*
18.5" W	1,920 x 1,080 pixels (FHD)	Intel Core i5 1345UE	HMIPSA65GD18W11	*POR*

Harmony BX1 Essential Edge Box

HMIBX1A0NDA

Operating system	Software	LPDDR4 RAM (6)	Storage disk	References	Price (S$)
Linux Debian 12	EcoStruxure Automation Expert v24.0	4 GB	32 GB eMMC	HMIBX1A0NDA	*3,784.22*

Harmony FP6 Industrial Flat Panel Monitors

HMIFP6600TMD

HMIFP6900WCD

Description	Screen	Interface	References	Price (S$)
W12" TFT LCD flat screen	4:3 12.1" Wide, XGA (1024 x 768 pixels)	Multi-touch (2 points) analog resistive	HMIFP6600TMD	*POR*
W15" TFT LCD flat screen	4:3 15.0" Wide, XGA (1024 x 768 pixels)	Multi-touch (2 points) analog resistive	HMIFP6700TMD	*POR*
W10" TFT LCD flat screen	10.1" Wide, FWGA (1280 x 800 pixels)	Multi-touch (2 points) projected capacitive	HMIFP6500WCD	*POR*
W12" TFT LCD flat screen	12.1" Wide, FHD (1280 x 800 pixels)	Multi-touch (2 points) projected capacitive	HMIFP6600WCD	*POR*
W15" TFT LCD flat screen	15.6" Wide, FWXGA (1366 x 768 pixels)	Multi-touch (2 points) projected capacitive	HMIFP6700WCD	*POR*
W19" TFT LCD flat screen	18.5" Wide, FHD (1920 × 1080 pixels)	Multi-touch (2 points) projected capacitive	HMIFP6800WCD	*POR*
W22" TFT LCD flat screen	21.5" Wide, FHD (1920 × 1080 pixels)	Multi-touch (2 points) projected capacitive	HMIFP6900WCD	*POR*

EcoStruxure Machine Expert Twin

A scalable digital twin software suite for your entire machine lifecycle

unit price (excl. GST in Singapore Dollars)

EcoStruxure Machine Expert Twin references

> EcoStruxure Machine Expert Twin is available in English.
> Documentation is supplied in electronic format: Complete online help with complementary documentation in online version:
https://olh.schneider-electric.com/Machine%20Expert%20Twin/V1.0/index.html
> System requirements (minimum PC requirements):
- CPU – Quad Core CPU with 8MB Cache and DDR3
- Graphics card – Nvidia Gt 710 2GDH3 or equivalent (1)
- Memory – 8GB Ram
- Disk Space – 900MB
- Operating System – Windows 10

> References are digital, available from the cloud.

Designation	Subscription Base	Number of Licences	License Type	References	Price (S$)
Machine Expert Twin Builder	Machine 25 Objects	Single	Node Locked	ESETBSCZSSXAZZ	*9,640.80*
			Floating	ESETBSCZSSXBZZ	*12051*
	Automation 100 Objects	Single	Node Locked	ESETBSCZMSXAZZ	*17,139.20*
			Floating	ESETBSCZMSXBZZ	*21424*
	Enterprise Unlimited Objects	Single	Node Locked	ESETBSCZLSXAZZ	*25,708.80*
			Floating	ESETBSCZLSXBZZ	*32136*
Machine Expert Twin Developer	Automation 100 Objects	Single	Node Locked	ESETDSCZMSXAZZ	*38,563.20*
			Floating	ESETDSCZMSXBZZ	*48204*
	Enterprise Unlimited Objects	Single	Node Locked	ESETDSCZLSXAZZ	*51,417.60*
			Floating	ESETDSCZLSXBZZ	*90640*
Machine Expert Twin Server	Automation 100 Objects	Single	Node Locked	ESETDSSCZSSXAZZ	*POR*
	Enterprise Unlimited Objects	Single	Node Locked	ESETDSSCZMSXAZZ	*POR*

Note: For more license Types please contact Schneider Electric

unit price (excl. GST in Singapore Dollars)

Vijeo Designer references

The cross-platform Vijeo Designer configuration software helps to create operator dialogue applications for controlling automation systems. This HMI component of SoMachine and EcoStruxure Machine Expert can be used for the following panels:

- Harmony STU
- Harmony GTO
- Harmony GTU , GTUX
- Harmony GK
- Magelis XBTGH portable
- Harmony Panel PCs and Box PCs (HMIBMP, HMIBMU)

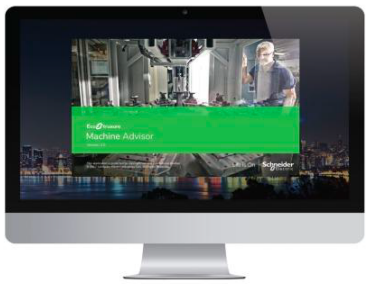
- Memory – 8GB Ram
- Disk Space – 900MB
- Operating System – Windows 10

Designation	Subscription Base	Number of Stations	References	Price (S$)
Buildtime License				
Vijeo Designer Config SW	Single	1	VJDBTPRO1P	*1,347.86*
	Group	3	VJDBTPRO3P	*1,987.80*
	Team	10	VJDBTPRO10P	*5,048.24*
	Note: For more license Types please contact Schneider Electric			
Runtime License				
Vijeo Designer Runtime SP12 V6.2 email	Single	1	VJDRTPROH1P	*1,515.65*
	Harmony Panel PC with HMIBMP and HMIBMU Box and Panel PC HMIPSO/PSP/PEP and Harmony P6			
Vijeo Designer Runtime SP12 V6.2 email	Single	1	VJDRTPROS1P	*1,515.65*
	Standard iPC or Harmony Panel PC (except with Box HMIBMP/BMU & except with Panel PC HMIPSO/PSP/PEP)			
	Note: For more license Types please contact Schneider Electric			

EcoStruxure Machine Advisor
Lite 12 Month Email Licence

unit price (excl. GST in Singapore Dollars)

Machine Advisor



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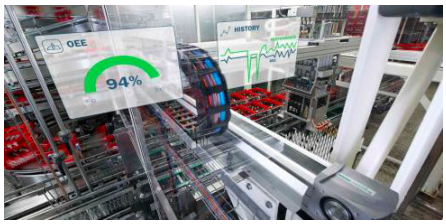
EcoStruxure Machine Advisor services are available in multi languages.
EcoStruxure Machine Advisor enables machine builders to provide new services to machine operators for each installed machine in any production site worldwide.



Designation	Subscription Base	Number of Licences	References	Price (S$)
Machine Advisor Annual Subcription	Single	1	ESEMALCZTSXAZZ	*423.74*

Note: For more license Types please contact Schneider Electric

Benefits of EcoStruxure Machine Expert

Connectivity

A unique platform for machine builders to access, manage and analyze comprehensive machine data throughout the entire lifecycle

Mobility

Provide new services to machine operators at any location

Analytics

Operational data for evolution of machines

Cloud

Enjoy the benefits of worldwide availability of cloud-based software tools

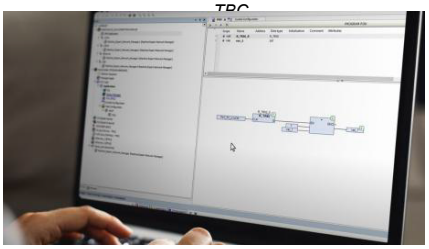
EcoStruxure Machine Expert (SoMachine)

Software for developing, configuring, and commissioning the entire machine in a single software environment

unit price (excl. GST in Singapore Dollars)

EME

EcoStruxure Machine Expert is a unique solution software for developing, configuring, and commissioning the entire machine in a single software environment, including logic, motion control, robotics/mechatronics, simulation, diagnostics, intelligent motor and load management and drives, HMI (Vijeo Designer), IIoT and related network automation functions. Predefined templates allow to save engineering time by applying complete libraries or even a new machine module.



Designation	Subscription Base	Number of Licences	References	Price (S$)
EcoStruxure Machine Expert - Expert - Standard	Single	1	ESEEXPCZZSPAZZ	*1,514.82*
EcoStruxure Machine Expert - Expert - Professional	Single	1	ESECAPCZZSPAZZ	*3,708.31*

Note: For more license Types please contact Schneider Electric

Benefits of EcoStruxure Machine Expert

Efficiency

One single and standard software to configure your machine

Flexibility and Scalability

One Software covering the needs of simple up to high performance machines

Safe and Secure

Know-how protection improvement with certificates

Digitization

Download and install software from the cloud in a modular way

EcoStruxure Machine SCADA Expert
Lite SCADA for line management

unit price (excl. GST in Singapore Dollars)

EMSE

Maximum value and efficiency with EcoStruxure Machine SCADA Expert software:
Save time building applications with ready-to-use PackML and OEE templates
Automatically generate reports compliant with CFR21 Part 11
Track your data and understand your performance using embedded OEE templates
Get peace of mind and save time and resources with our single point of contact for hardware, software or operating system support

Connectivity and data management:
Realize the power of the IoT with EcoStruxure Machine SCADA Expert's extensive IT and OT driver library and data management capabilities (connection between ERP, MES, third-party historians, and the plant floor)
Includes 250+ native communication drivers
Native OPC interface, including OPC UA, OPC DA, OPC XML, and OPC .NET
Monitor and control remotely your application with Mobile Access using a tablet, phone or remote PC
Support for MQTT SparkPlugB

Designation	License Type	Compatible with	References	Price (S$)
EcoStruxure Machine SCADA Expert Supervision Buildtime license 64000 tags	Buildtime License	HMIPEPxx HMIPSOxx HMIBMUxx HMIBMPxx HMIP6 HMIG5U21	HMIEMSEBT64KA	*13,963.40*
EcoStruxure Machine Expert - SCADA Expert Line management plus Buildtime license 32000 tags	Buildtime License		HMIEMSEBT32KA	*11,898.77*
EcoStruxure Machine SCADA Expert Supervision Runtime license 64000 tags	Runtime License		HMIEMSERT64KA	*11,572.77*
EcoStruxure Machine Expert - SCADA Expert Line management plus Runtime license 32000 tags	Runtime License		HMIEMSERT32KA	*9,290.81*

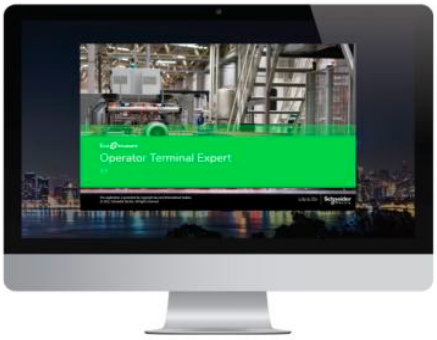
Note: For more license Types please contact Schneider Electric

Open architecture

EcoStruxure Operator Terminal Expert
Configuration software for Harmony ranges supporting gestures and intuitive user interface designs

unit price (excl. GST in Singapore Dollars)

EOTE



EcoStruxure Operator Terminal Expert software helps designers and operators to maximize efficiency through modern functionalities and user-friendly features.

Operate intuitively

Multi-touch zoom in/zoom out, slide, pinch, and stretch options similar to smartphones
With special navigation features like scrolling panel and zoom in/zoom out panel.
Information-rich objects providing easy and direct access to device information and database
Improved efficiency for HMI operators with clear design such as new object properties

Reduce time to market

Minimize design time with pre-defined navigation and easy to locate tab management
Fast customization and product differentiation can be achieved by using Themes and Color-set
Scripting made easy for everyone, just drag and drop the target objects to canvas

Improved visualization

High image quality and usability for modern look and feel

	License Type	Compatible with	References	Price (S$)
EcoStruxure Operator Terminal Expert Professional	Single License	Harmony GTU Harmony GTO (1) Harmony STO7 Harmony ST6 Harmony STM6 Harmony iPCs and	HMIPELCZLSPAZZ	*1,778.40*
EcoStruxure Operator Terminal Expert Basic	Single License	Harmony STO7 Harmony ST6 Harmony STM6	HMIEELCZLSPAZZ	*355.97*
EcoStruxure Operator Terminal Expert Runtime	Single License		HMIRTWCZLSPAZZ	*997.04*

Note: For more license Types please contact Schneider Electric

EcoStruxure Automation Expert Software
Software-centric industrial automation system

unit price (excl. GST in Singapore Dollars)

Design & build License

Description	Subscription Base	No. of Licences	References	Price (S$)
Standard Engineering license	Single	1	EALBTC	*11,128.12*
Professional Engineering license	Single	1	EALBFC	*26,922.14*
Engineering license for UAO vendor	Single	1	EALUAOC	*1,794.78*

Note: For more license Types please contact Schneider Electric

Operate & Maintain License

Description	Subscription Base	No. of Licences	References	Price (S$)
EAE Runtime - Device	Single	1	EALADP	*123.60*
EAE Runtime - Nano	Single	1	EALANP	*484.10*
EAE Runtime - Micro	Single	1	EALAMP	*857.99*
EAE Runtime - Small	Single	1	EALASP	*2441.10*
EAE Runtime - Large	Single	1	EALALP	*8868.30*

License for EAE HMI

Description	Subscription Base	No. of Licences	References	Price (S$)
Automation Expert HMI Runtime – Panel (ST6)	Single	1	EALH1P	412
Automation Expert HMI Runtime – Operator (iPC)	Single	1	EALH2P	POR

License for soft dPAC

Description	Subscription Base	No. of Licences	References	Price (S$)
EAE Application standard	Single	1 device	EALDSP	94.76
EAE Application standard	Single	100 device	EALDCP	5384.84
EAE Application standard	Single	1000 device	EALDMP	43074.6
EAE Application standard	Single	5000 device	EALDVMP	179477.5
EAE Application high availability	Single	1 device	EALDHP	210.12
EAE Application high availability	Single	100 device	EALDHACP	6820.145
EAE Application high availability	Single	1000 device	EALDHAMP	61022.35
EAE Application high availability	Single	5000 device	EALDHAVMP	*251,268.50*

License for OFC UA Client

Description	Subscription Base	No. of Licences	References	Price (S$)
EAE Communication Protocol OPC UA Client	Single	Per OPC UA Server	EALCUP	POR

unit price (excl. GST in Singapore Dollars)

Dpac

BMED581020

Description	No. of I/O	References	Price (S$)
Altivar ATV dPAC	23 discrete input/output(s) 7 analog input/output(s) 1 master encoder input(s)	VW3A3530D	*2,008.50*
Modicon M251 dPAC	7 (local I/O-Architecture) 14 (remote I/O-Architecture)	TM251MDESE	*769.41*
Modicon M262 dPAC	7TM3 IO module (local I/O-Architecture) 7TM3 IO module (remote I/O-Architecture)	TM262L01MDESE	*3,118.84*
Essential Edge Controller	2 slot(s) for Mini PCIe Connector (USB signal)	HMIBX1A0NDA	*POR*
Modicon M580 dPAC	1024 discrete input/output(s) 64 analog input/output(s)	BMED581020	*2,301.23*
M580 dPAC Conormal coating 2.00	1024 discrete input/output(s) 64 analog input/output(s)	BMED581020C	*3,451.84*

Low-cost License Package

Description	Subscription Base	No. of Licences	References	Price (S$)
EAE Lite Engineering License	Single	1	EALBTEP24	*3118.84*
EAE Application Standard 10 Devices	Single	1	EALDXP	360.50
EAE Application High Availability 10 Devi	Single	1	EALDHAXP	721.00
EAE Engineering Lite 1 User	Single	1	EALBTLC	POR

Relays

Zelio Relays - Electromechanical plug-in relays

RSB interface relays and accessories 3-1
RXG interface relays and accessories 3-2
RXM*AB miniature relays and accessories 3-3
RUM universal relays and accessories 3-4
RPM power relays and accessories 3-5
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SSL and SSP solid state relays 3-7
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RM17UB3/ 35UB voltage measurement and monitoring relays 3-9
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Zelio Relays - Electromechanical Plug-in relays
Interface relays RSB

unit price (excl. GST in Singapore Dollars)

Interface relays

RSB1A120BD

Control circuit voltage		Number and type of contacts - Thermal current (Ith)					
		1 C/O -12 A		1 C/O -16 A		2 C/O -8 A	
		reference (1)	Price (S$)	reference (1)	Price (S$)	Reference (1)	Price (S$)
d.c.	12 V	RSB1A120JD	*24.41*	RSB1A160JD	*24.41*	RSB2A080JD	*23.79*
	24 V	RSB1A120BD	*24.41*	RSB1A160BD	*24.41*	RSB2A080BD	*23.79*
a.c.	24 V	RSB1A120B7	*25.54*	RSB1A160B7	*25.54*	RSB2A080B7	*24.93*
	48 V					RSB2A080E7	*24.93*
	120 V	RSB1A120F7	*25.54*	RSB1A160F7	*49.44*	RSB2A080F7	*24.93*
	220 V	RSB1A120M7	*25.54*	RSB1A160M7	*25.54*	RSB2A080M7	*24.93*
	230 V	RSB1A120P7	*25.54*	RSB1A160P7	*25.54*	RSB2A080P7	*24.93*
	240 V	RSB1A120U7	*25.54*				

Sockets - 12 A, 300 V ac

RSZE1S35M

Contact terminal arrangement	Connection	Relay type	Sold in lots of	Reference (1)	Price (S$)
Separate	Connector	RSB 1A120●●	10	RSZE1S35M	*17.61*
	RSB 1A160●●(2) RSB 2A080●●		10	RSZE1S48M	*17.61*

Protection modules

Description	For use with	Voltage	Sold in lots of	Reference (1)	Price (S$)
Diode	All sockets	d.c. 6…230	10	RZM040W	6.08
RC circuit	All sockets	a.c. 24…60	10		
		a.c. 110…240	10	RZM041FU7	6.08
Diode + green LED	All sockets	a.c./d.c. 6…24	10	RZM031RB	10.92
		a.c./d.c. 24…60	10	RZM031BN	10.92
		a.c./d.c. 110…230	10	RZM031FPD	21.63
Varistor + green LED	All sockets	d.c. or a.c. 6…24	10	RZM021RB	POR
		d.c. or a.c. 24…60	10	RZM021BN	18.13
		d.c. or a.c. 110…230	10	RZM021FP	18.13

RSZR215

Accessories

Description	Sold in lots of	Reference (1)	Price (S$)
Plastic maintaining clamp	10	RSZR215	*1.85*
Legend	10	RSZL300	*1.85*

(1) To order a relay complete with socket (sold in lots of 20): add suffix S to the references selected above.
Example: RSB2A080RD + RSZE1S48M becomes RSB2A080RDS. Add price accordingly.
(2) When using the relay with socket RSZ E1S48M, terminals must be linked. See connection schemes on catalogue page.

Zelio Relays - Electromechanical Plug-in relays
Interface relays RXG

unit price (excl. GST in Singapore Dollars)

RXG22B7

RXG13BD

RXG15BD

Standard cover relays with lockable test button and LED

Control circuit voltage		Sold in lots of	Number and type of contacts - Thermal current (Ith) 1 C/O - 10 A reference	Price (S$)	2 C/O - 5 A reference	Price (S$)
d.c.	24 V	10	RXG12BD	*18.13*	RXG22BD	*19.26*
a.c.	24 V	10	RXG12B7	*18.13*	RXG22B7	*19.26*
	120 V	10	RXG12F7	*18.13*	RXG22F7	*19.26*
	230 V	10	RXG12P7	*18.13*	RXG22P7	*19.26*

Standard cover relays with LED only

Control circuit voltage		Sold in lots of	Number and type of contacts - Thermal current (Ith) 1 C/O - 10 A reference	Price (S$)	2 C/O - 5 A reference	Price (S$)
d.c.	24 V	10	RXG13BD	16.48	RXG23BD	18.13
a.c.	24 V	10	RXG13B7	*33.27*	RXG23B7	*18.75*
	120 V	10	RXG13F7	*24.41*	RXG23F7	*18.75*
	230 V	10	RXG13P7	*24.41*	RXG23P7	*18.75*

Clear cover relays

Control circuit voltage		Sold in lots of	Number and type of contacts - Thermal current (Ith) 1 C/O - 10 A reference	Price (S$)	2 C/O - 5 A reference	Price (S$)
d.c.	24	10	RXG15BD	*15.35*	RXG25BD	*14.21*
a.c.	24	10			RXG25B7	*19.88*
	230	10	RXG15P7	*13.08*	RXG25P7	*14.21*

Sockets with separate contact terminal arrangement and connector connection

Description	Sold in lots of	Relay type	Thermal Current (Ith)	reference (1)	Price (S$)
1 C/O socket with 1 pole	10	RXG1●●●	10 A	RGZE1S35M	*6.08*
2 C/O socket with 2 poles	10	RXG2●●●	5 A	RGZE1S48M	*7.31*

Accessories

Description	Sold in lots of	For use with	Unit reference (1)	Unit Price (S$)
Plastic ejector clip	10	All sockets	RSZR215	*1.85*
Socket ID tags	10	All sockets	RSZL300	*1.85*

(1) Please note that RGZE1S35M and RGZE1S48M sockets both come with RGZR215 ejector clip as standard.

Zelio Relays - Electromechanical Plug-in relays
Miniature relays RXM*AB

unit price (excl. GST in Singapore Dollars)

Miniature relays without LED (sold in lots of 10)

RXM2AB1BD

Control circuit voltage		Number and type of contacts - Thermal current (Ith)					
		2 C/O -12 A		3 C/O - 10 A		4 C/O - 6 A	
		Reference	Price (S$)	Reference	Price (S$)	Reference	Price (S$)
d.c.	12	RXM2AB1JD	*10.92*	RXM3AB1JD	*12.46*	RXM4AB1JD	*13.60*
	24	RXM2AB1BD	*10.92*	RXM3AB1BD	*12.46*	RXM4AB1BD	*13.60*
a.c.	24	RXM2AB1B7	*10.92*	RXM3AB1B7	*12.46*	RXM4AB1B7	*13.60*
	48	RXM2AB1E7	*10.92*	RXM3AB1E7	*14.73*	RXM4AB1E7	*13.60*
	120	RXM2AB1F7	*10.92*	RXM3AB1F7	*12.46*	RXM4AB1F7	*13.60*
	230	RXM2AB1P7	*10.92*	RXM3AB1P7	*12.46*	RXM4AB1P7	*14.94*
	240	-		-		RXM4AB1U7	*13.60*

Miniature relays with LED (sold in lots of 10)

RXM2AB2BD

Control circuit voltage		Number and type of contacts - Thermal current (Ith)					
		2 C/O -12 A		3 C/O - 10 A		4 C/O - 6 A	
		Reference	Price (S$)	Reference	Price (S$)	Reference	Price (S$)
d.c.	12	RXM2AB2JD	*15.35*	RXM3AB2JD	*17.00*	RXM4AB2JD	*18.75*
	24	RXM2AB2BD	*14.21*	RXM3AB2BD	*18.75*	RXM4AB2BD	*18.75*
a.c.	24	RXM2AB2B7	*14.73*	RXM3AB2B7	*17.00*	RXM4AB2B7	*18.75*
	48	RXM2AB2E7	*13.60*	RXM3AB2E7	*33.99*	RXM4AB2E7	*18.75*
	120	RXM2AB2F7	*14.21*	RXM3AB2F7	*17.00*	RXM4AB2F7	*19.88*
	230	RXM2AB2P7	*14.21*	RXM3AB2P7	*17.00*	RXM4AB2P7	*18.75*

Sockets

RXZE2M114M

Contact terminal arrangement	Connection	Thermal current Ith	Relay type	Sold in lots of	Reference	Price (S$)
Mixed	Screw clamp terminals	10A	RXM 2●●●●(1) RXM 4●●●●	10	RXZE2M114	*7.83*
	Connector	10A	RXM 2●●●●(1) RXM 4●●●●	10	RXZE2M114M	*9.06*
Separate	Connector	12A	RXM 2●●●●	10	RXZE2S108M	*6.70*
		10A	RXM 3●●●●	10	RXZE2S111M	*9.06*
		10A	RXM 4●●●●	10	RXZE2S114M	*9.06*

Protection modules

Description	Voltage	For use with	Sold in lots of	Reference	Price (S$)
Diode	d.c. 6...250 V	All sockets	10	RXM040W	*6.08*
RC circuit	a.c. 24 … 60 V	All sockets	10	RXM041BN7	*7.83*
	a.c. 110...240V	All sockets	10	RXM041FU7	*7.83*
Varistor	a.c./d.c. 6...250V	All sockets	10	RXM021RB	*7.83*
	a.c./d.c. 24...60V	All sockets	10	RXM021BN	*7.83*
	a.c./d.c. 110...240V	All sockets	10	RXM021FP	*10.92*

Accessories

Description	For use with	Sold in lots of		Reference	Price (S$)
Metal maintaining clamp	All sockets	10	(3)	RXZ400	*17.61*
Plastic maintaining clamp	All sockets	10	(3)	RXZR335	*13.08*
Bus jumper, 2-pole (Ith: 5 A)	All sockets with separate contacts	10		RXZS2	*1.85*
Mounting adapter with fixing lugs for panel	All relays	300		RXZE2FA	*13.08*
Clip-in legends	All relays (sheet of 108 legends)	10		RXZL520	*23.79*
	All sockets except RXZ E2M114	10	(3)	RXZL420	*3.71*

(1) When mounting relay RXM 2●●●●● on socket RXZ E2M●●●●, the thermal current must not exceed 10 A.

(2) Test button becomes inaccessible.

(3) Price is for pack (of 10 or 100).

Zelio Relays - Electromechanical Plug-in relays
Universal relays RUM

unit price (excl. GST in Singapore Dollars)

Relays for standard applications, without LED (sold in lots of 10)

Pins	Control circuit		Number and type of contacts - Thermal current (Ith) 2 C/O -10 A		3 C/O - 10 A	
			reference	Price (S$)	reference	Price (S$)
Cylindrical	d.c.	12V	RUMC21JD	*19.88*	RUMC31JD	*24.41*
		24V	RUMC21BD	*19.88*	RUMC31BD	*23.79*
		110V			RUMC31FD	*24.41*
	a.c.	24	RUMC21B7	*21.01*	RUMC31B7	*24.41*
		120	RUMC21F7	*21.01*	RUMC31F7	*24.41*
		230	RUMC21P7	*19.88*	RUMC31P7	*24.41*

Relays for standard applications, with LED (sold in lots of 10)

Pins	Control circuit		Number and type of contacts - Thermal current (Ith) 2 C/O -10 A		3 C/O - 10 A	
			reference	Price (S$)	reference	Price (S$)
Cylindrical	d.c.	12	RUMC22JD	*28.33*	RUMC32JD	*32.34*
		24	RUMC22BD	*27.81*	RUMC32BD	*31.72*
		110			RUMC32FD	*32.34*
	a.c.	24	RUMC22B7	*27.19*	RUMC32B7	*31.72*
		120	RUMC22F7	*27.19*	RUMC32F7	*32.34*
		230	RUMC22P7	*27.19*	RUMC32P7	*31.72*

RUZC2M

Sockets

Contact terminal arrangement	Connection	Relay type	Sold in lots of	reference	Price (S$)
Mixed	Connector	RUM C2●●●●●	10	RUZC2M	*7.83*
		RUM C3●●●●●	10	RUZC3M	*10.92*
Separate	Connector	RUM C2●●●●●	10	RUZSC2M	*14.21*
		RUM C3●●●●●	10	RUZSC3M	*16.48*
		RUM F2●●●●● RUM F3●●●●●	10	RUZSF3M	*17.61*

Timer module

Description	For use with	Voltage	Reference	Price (S$)
Multifunction	All sockets	d.c. or a.c. 24…240	RUW101MW	*274.80*

RUW101MW

Accessories

Description	For use with	Sold in lots of	reference	Price (S$)
Metal maintaining clamp	All sockets	10	RUZC200	*6.08*
Clip-in legends	All relays (sheet of 108 legends)	10	RXZL520	*23.79*

RUZC200

Zelio Relays - Electromechanical Plug-in relays
Power relays RPM

unit price (excl. GST in Singapore Dollars)

Power relays without LED (sold in lots of 10)

Control circuit voltage		Number and type of contacts - Thermal current (Ith)							
		1 C/O - 15 A		2 C/O - 15 A		3 C/O - 15 A		4 C/O - 15 A	
		reference	Price (S$)	reference	Price (S$)	reference	Price (S$)	reference	Price (S$)
d.c.	12			RPM21JD	*23.79*				
	24	RPM11BD	*10.92*	RPM21BD	*19.26*			RPM41BD	*27.19*
a.c.	24	RPM11B7	*10.92*	RPM21B7	*21.53*				
	120	RPM11F7	*10.92*	RPM21F7	*21.53*	RPM31F7	*29.91*	RPM41F7	*29.46*
	230			RPM21P7	*21.53*			RPM41P7	*29.46*

Power relays with LED (sold in lots of 10)

Control circuit voltage		Number and type of contacts - Thermal current (Ith)							
		1 C/O - 15 A		2 C/O - 15 A		3 C/O - 15 A		4 C/O - 15 A	
		reference	Price (S$)	reference	Price (S$)	reference	Price (S$)	reference	Price (S$)
d.c.	12	RPM12JD	*17.00*	RPM22JD	*22.66*				
	24	RPM12BD	*17.00*	RPM22BD	*22.66*	RPM32BD	*25.54*	RPM42BD	*32.34*
	48			RPM22ED	*33.48*				
a.c.	24	RPM12B7	*17.00*	RPM22B7	*24.93*	RPM32B7	*33.99*	RPM42B7	*35.12*
	120	RPM12F7	*17.00*	RPM22F7	*24.93*	RPM32F7	*27.81*	RPM42F7	*35.12*
	230	RPM12P7	*17.00*	RPM22P7	*24.93*	RPM32P7	*27.81*	RPM42P7	*35.12*

RPZF4

Sockets

Contact terminal arrangement	Connection	Relay type	Sold in lots of	reference	Price (S$)
Mixed	Screw clamp terminals	RPM 1●●●	10	RPZF1	*11.95*
		RPM 2●●●	10	RPZF2	*16.48*
		RPM 3●●●	10	RPZF3	*18.75*
		RPM 4●●●	10	RPZF4	*18.75*

Protection modules

Description	Voltage	Socket type	Sold in lots of	reference	Price (S$)
Diode	d.c. 6…250 V	RPZF1 RPZF2	10	RXM040W	*6.08*
		RPZF3 RPZF4	10	RUW240BD	*6.08*

RUW240BD

Zelio Relays - Electromechanical Plug-in relays
RSL slim interface relays

unit price (excl. GST in Singapore Dollars)

Interface relays

RSL1PRPU

Control circuit voltage		Operating voltage		Sold in lots of	Number and type of contacts 1 C/O -6A Screw reference (1)	Price (S$)	1 C/O -6A Spring reference (1)	Price (S$)
d.c.	12 V	a.c.	12 V	10	RSL1PVJU	*#N/A*	RSL1PRJU	*POR*
	24 V		24 V	10	RSL1PVBU	*#N/A*	RSL1PRBU	*POR*
	48 V		48 V	10	RSL1PVEU	*#N/A*	RSL1PREU	*POR*
	60 V		110 V	10	RSL1PVFU	*#N/A*	RSL1PRFU	*POR*
	60 V		230 V	10	RSL1PVPU	*#N/A*	RSL1PRPU	*POR*

Accessories

Description	For use with	Sold in lots of	reference (1)	Price (S$)
Clip-in legends (2 sheets of 64 legends)	All sockets	2	RSLZ5	*POR*
Bus jumper (10 x 20-pole jumper)	All sockets	10	RSLZ2	*POR*
Partition plate (10 partition plates)	All sockets	10	RSLZ3	*POR*

RSLZ2

RSLZ3

Zelio Relays - Solid state relays
SSL and SSP solid state relays

unit price (excl. GST in Singapore Dollars)

SSL1 Slim Interface Solid State Relays, 1NO contact (DC switching)

SSL1D101JDPV

Control Voltage		Load voltage		Sold in lots of	Load 0.1A Reference	Price (S$)	Load 3.5A Reference	Price (S$)
d.c.	3…12 VDC	d.c.	1…24 VDC	30	SSL1D101JDPV	*#N/A*	SSL1D03JDPV	*POR*
	3…12 VDC		1…24 VDC	30	SSL1D101JDPR	*#N/A*	SSL1D03JDPR	*POR*
	15…30 VDC		1…48 VDC	30	SSL1D101BDPV	*#N/A*	SSL1D03BDPV	*POR*
	15…30 VDC		1…48 VDC	30	SSL1D101BDPR	*#N/A*	SSL1D03BDPR	*POR*

SSP1 1-phase Panel Mount Solid State Relays, 1NO contact (DC switching)

SSP1D440BDT

Control Voltage		Load voltage		Sold in lots of	Load	Reference	Price (S$)
d.c.	3.5…32 VDC	d.c.	1…150 VDC	1	12A	SSP1D412BDT	*POR*
	3.5…32 VDC		1…150 VDC	1	25A	SSP1D425BDT	*POR*
	3.5…32 VDC		1…150 VDC	1	40A	SSP1D440BDT	*POR*

Zelio Relays - Solid state relays
SSM and SSD solid state relays

unit price (excl. GST in Singapore Dollars)

SSM modular DIN rail solid state relays (DC switching) - 1NO

SSM1D312BD

SSM1D36BD

Control Voltage		Load voltage		Sold in lots of	Load	Reference	Price (S$)
d.c.	4...32 VDC	d.c.	1…60 VDC	10	6A	SSM1D26BD	*POR*
	4...32 VDC		1…100 VDC	10	6A	SSM1D36BD	*POR*
	4...32 VDC		1…60 VDC	10	12A	SSM1D212BD	*POR*
	4...32 VDC		1…100 VDC	10	12A	SSM1D312BD	*POR*

SSD modular DIN rail solid state relays, 1NO contact (Zero voltage switching)

SSD1A320BDC3

Control Voltage		Output voltage		Sold in lots of	Load and Config	Reference	Price (S$)
d.c.	4…32 VDC	d.c.	48…600 VAC	1	20 A - relay	SSD1A320BDC1	*POR*
	4…32 VDC		48…600 VAC	1	20 A - screw	SSD1A320BDC2	*POR*
	4…32 VDC		48…600 VAC	1	20 A - spring	SSD1A320BDC3	*POR*

Zelio control - Control and measurement relays
3-phase monitoring relays

unit price (excl. GST in Singapore Dollars)

3-phase supply control relays

RM17 TG measurement and control relays for 3-phase supplies monitor :
■ Correct sequencing of phases L1, L2 and L3 as well as the total loss of one or more of these phases.

RM17TG●0

Function	Rated 3-phase supply voltage	Output	Reference	Price (S$)
■ Phase sequence ■ Phase failure	208…480V a.c.	1 C/O 5 A	RM17TG00	172.834
	208…440V a.c.	2 C/O 5A	RM17TG20	*187.56*

Multifunction 3-phase supply control relays

RM17 TT, RM17 TA, RM17 TU and RM17 TE multifunction control relays monitor the following on 3-phase supplies:

	RM17 TT	RM17 TA	RM17 TU	RM17 TE	RM35 TF
Sequence of phases L1, L2 and L3.	■	■	■	■	■
Phase failure with regeneration	■	■	■	■	■
Asymmetry		■		■	■
Undervoltage			■		■
Overvoltage and undervoltage				■	■

■ Function performed
□ Function not performed

RM17TT00

RM17TA00

RM17TU00

RM17TE00

RM35TF30

RM35TF36

Function	Rated 3-phase supply voltage	Output	Reference	Price (S$)
■ Phase sequence ■ Phase failure	208…480 V a.c.	1 C/O 5 A	RM17TT00	*210.22*
■ Phase sequence ■ Phase failure ■ Asymmetry	208…480V a.c.	1 C/O 5 A	RM17TA00	*278.72*
■ Phase sequence ■ Phase failure ■ Undervoltage	208…480V a.c.	1 C/O 5 A	RM17TU00	*202.29*
■ Phase sequence ■ Phase failure ■ Asymmetry ■ Undervoltage and overvoltage in window mode	208…480V a.c.	1 C/O 5 A	RM17TE00	*330.32*
■ Phase sequence ■ Phase failure ■ Asymmetry ■ Undervoltage and overvoltage in window mode	220…480V a.c.	2 C/O 5 A	RM35TF30	*416.94*
■ Phase sequence ■ Phase failure ■ Asymmetry ■ Undervoltage and overvoltage in window mode	480…690V a.c.	2 C/O 5 A	RM35TF36	*POR*

Zelio control - Control and measurement relays
3-phase monitoring relays

unit price (excl. GST in Singapore Dollars)

Voltage measurement and control relays

RM17UB310

RM35UB330

RM35UBN330

Voltage measurement and control relays RM35UB330, RM17UB310 and RM35UB3N30 monitor the following, on 3-phase supplies:

	RM35UB330	RM17UB310	RM35UB3N30
Failure of one or more phases,			
Absence of neutral			
Overvoltage and undervoltage			
Voltage between phases	220…480V	208…480V	
Voltage between phases and neutral.			120…277V

Function performed
Function not performed

Function	Rated 3-phase supply voltage	Output	Reference	Price (S$)
■ Overvoltage and undervoltage between phases	220…480 V a.c. (phase-phase)	1 C/O +1C/O 1 per threshold 5A	RM35UB330	*359.16*
	208…480V a.c. (phase-phase)	1 C/O 5 A	RM17UB310	*287.27*
■ Overvoltage and undervoltage between phases and neutral ■ Absence of neutral	120…277V a.c. (phase-neutral)	1 C/O +1C/O 1 per threshold 5A	RM35UB3N30	*387.49*

Zelio control - Control and measurement relays
Level/ Speed monitoring relays

unit price (excl. GST in Singapore Dollars)

Level control relays

RM35LV14MW

Level control relays RM35 LM33MW and RM35LV14MW control one or two levels, with fill or empty function:

- RM35 LM33MW: control by resistive level probe
- RM35LV14MW: control by discrete sensor.

Function	Supply voltage	Output	Reference	Price (S$)
Detection by resistive probes	24…240 V ac/dc	2 C/O 5A	RM35LM33MW	*181.28*
Detection by discrete sensors	24…240 V ac/dc	1 C/O 5A	RM35LV14MW	*228.35*

Speed control relay

RM35S0MW

Speed control relay RM35 S0MW monitors:

- Underspeed:
  - without memory,
  - with memory,
  - with inhibition by external contact S2.
- Overspeed:
  - without memory,
  - with memory,
  - with inhibition by external contact S2.

Speed control relay RM35 S0MW measures via:

- A 3-wire PNP or NPN proximity sensor input,
- A Namur proximity sensor input,
- A 0-30 V voltage input,
- A volt-free contact input.

Function	Supply voltage	Measurement Input	Output	Reference	Price (S$)
■ Underspeed ■ Overspeed	24…240 V a.c./d.c.	■ 3-wire PNP or NPN proximity sensor ■ Namur proximity sensor, ■ 0-30 V voltage, ■ Volt-free contact.	1 C/O 5A	RM35S0MW	*330.32*

Zelio control - Control and measurement relays
Voltage monitoring relays

unit price (excl. GST in Singapore Dollars)

Multifunction voltage control relays

RM35UA11MW

Multifunction voltage control relays RM35 UA1● MW monitor both a.c. and d.c. voltages.

- Automatic dc or ac recognition,
- Measurement **and accessories**
- Selection between overvoltage and undervoltage,
- Measurement as true rms value,
- Selectable memory function.

Function	Ranges controlled	Supply voltage	Output	Reference	Price (S$)
■ Overvoltage or undervoltage	0.05…5	24…240 V ac/dc	2 C/O 5A	RM35UA11MW	262.34
	1…100	24…240 V ac/dc	2 C/O 5A	RM35UA12MW	262.34
	15…600	24…240 V ac/dc	2 C/O 5A	RM35UA13MW	262.34

Single-phase and d.c. voltage measurement and control relays

RM17UAS16

RM17UBE16

Single-phase and d.c. voltage measurement and control relays RM17UAS and RM17UBE monitor the following:

RM17	UAS14	UAS15	UAS16	UBE15	UBE16
Overvoltage	■	■	■		
Undervoltage	■	■	■		
Overvoltage and undervoltage				■	■
(window mode)				■	■
Nominal voltages (V)	12V dc	ac/dc	24…48V ac/dc	ac/dc	24…48V ac/dc

■ Function performed
□ Function not performed

Function	Ranges controlled	Nominal voltage	Output	Reference	Price (S$)
■ Overvoltage or undervoltage	9…15 V d.c.	12 V dc	1 C/O 5A	RM17UAS14	176.75
	20…80 V a.c.	24…48 V ac/dc	1 C/O 5A	RM17UAS16	209.61
	20…80 V ac/dc	110…240 V ac/dc	1 C/O 5A	RM17UAS15	209.61
■ Overvoltage and undervoltage in window mode	20…80 V ac/dc	24…48 V ac/dc	1 C/O 5A	RM17UBE16	217.02
	65…260 V ac/dc	110…240 V ac/dc	1 C/O 5A	RM17UBE15	217.02

Zelio control - Control and measurement relays
Current/ Frequency monitoring relays

unit price (excl. GST in Singapore Dollars)

Current monitoring relays

RM17JC00MW

The control relay RM17 JC00MW is designed to monitor a.c. currents.
- Integrated current transformer,
- Measurement range 2…20 A,
- Choice of action on the output relay.

Function	Supply	Measurement range	Output	Reference	Price (S$)
■ Overcurrent	24…240 V ac/dc	2…20 A	1 C/O 5A	RM17JC00MW	209.61

RM17JA12M7

The control relay RM17JA12M7 is designed to monitor a.c. currents.
- No integrated current transformer,
- Measurement range 0.5…10A,
- Choice of action on the output relay.

Function	Supply	Measurement range	Output	Reference	Price (S$)
■ Overcurrent	220…240 V ac/dc	2…20 A	1 C/O 5A	RM17JA12M7	POR

Multifunction current monitoring relays

RM35JA31MW

Multifunction current control relays RM35 JA3●MW monitor both a.c. and d.c. currents.
- Automatic a.c. or d.c. recognition,
- Measurement ranges from 2 mA to 15 A,
- Selection between overcurrent and undercurrent,
- Measurement as true rms value,
- Selectable memory function.

Function	Range controlled	Supply	Output	Reference	Price (S$)
■ Overcurrent or overvoltage	2…500mA	24…240 V ac/dc	2 C/O 5A	RM35JA31MW	251.53
	0.15…15A	24…240 V ac/dc	2 C/O 5A	RM35JA32MW	286.65

Frequency monitoring relay

RM35HZ21FM

Frequency control relay RM35 HZ monitors frequency variations on 50 or 60 Hz a.c. supplies:
- Over-frequency and under-frequency with two independent relay outputs.
- Selectable memory function.

Function	Range controlled	Supply voltage	Output	Reference	Price (S$)
Over-frequency and under-frequency 50 or 60 Hz	40…60 Hz (50 Hz) / 50…70 Hz (60 Hz)	120…277 V ac	1 C/O + 1 C/O 5A	RM35HZ21FM	335.99

Zelio control - Control and measurement relays
Lift/ Pump/ Motor monitoring relays

unit price (excl. GST in Singapore Dollars)

Lift motor room temperature monitoring

RM35ATL0MW

RM35ATW5MW

Measurement and control relays RM35 ATL0MW, RM35ATR5MW and RM35ATW5MW are designed for monitoring the temperature in elevator machine rooms, in compliance with directive EN81.

- PT 100 input,
- Adjustable control around 5 °C and 40 °C,
- Independent adjustment of high and low thresholds,
- Possibility of integrated phase control,

Function	Supply voltage	3-phase control	Output	Reference	Price (S$)
■ Over-temperature: 34…46 °C ■ Under-temperature: - 1…11 °C	24…240 V a.c./d.c.	-	1 C/O 5A	RM35ATL0MW	347.63

Pump protection current monitor + 3 phase monitor

RM35BA10

Measurement and control relay RM35 BA10 is used for control and monitoring of 3-phase and single-phase pumps.It monitors:

- The sequence of phases L1, L2 and L3.
- The absence of one or more phases,
- Undercurrent for protection against running empty,
- Overcurrent for protection against overload.

Function	Current range controlled	Supply voltage	Output	Reference	Price (S$)
3-phase: ■ Phase sequence ■ Phase failure ■ Overcurrent and undercurrent control Single-phase: ■ Overcurrent and undercurrent control	1…10 A	■ 208…480V a.c. 3-phase ■ 230V a.c. single-phase	1 C/O 5A	RM35BA10	438.47

Motor protection winding temperature monitor + 3 phase monitor

RM35TM50MW

RM35TM250MW

Motor temperature measurement and control relays RM35TM50MW and RM35TM250MW monitor the following, on 3-phase supplies:
correct sequencing of phases L1, L2 and L3, phase failure and motor temperature via PTC probes (with or without memory).

Function	Supply voltage	3-phase supply voltage	Output	Reference	Price (S$)
■ Phase sequence ■ Phase failure ■ Motor temperature via PTC probe	24…240 a.c./d.c.	208…480 a.c.	2 N/O 5 A	RM35TM50MW	325.17
■ Phase sequence ■ Phase failure ■ Motor temperature via PTC probe ■ Selection (with or without memory) ■ "Test/Reset" button	24…240 a.c./d.c.	208…480 a.c.	2 N/O 5 A	RM35TM250MW	343.30

Zelio control - Control and measurement relays
Multifunction 3-phase control relays &
1-phase or DC voltage control relays

unit price (excl. GST in Singapore Dollars)

Multifunction 3-phase control relays RM22TA, RM22TU, RM22TR, and RM22TG

RM22 Zelio multifunction control relays monitor the following functions on 3-phase supplies

Functions	RM22TA	RM22TU	RM22TR	RM22TG
Sequence of phases L1, L2, and L3	■	■	■	■
Phase loss	■	■	■	■
Asymmetry	■	■	■	■
Undervoltage	■	■	■	■
Overvoltage and undervoltage	■	■	■	■

■ Function performed
■ Function not performed

RM22T●●●

References

Function	Rated 3-phase supply voltage	Measurement range	Time delay	Output	Reference	Price (S$)
-Phase sequence -Phase failure	200…240V a.c.	200…240V a.c.	Off delay (0.1...30 s)	2 C/O 8 A	RM22TA31	202.29
-Asymmetry	380…480V a.c.	380…480V a.c.	Off delay (0.1...30 s)	2 C/O 8 A	RM22TA33	249.88
-Phase sequence -Phase failure	200…240V a.c.	200…240V a.c.	On/Off delay (0.1...30 s)	2 C/O 8 A	RM22TR31	252.66
-Under voltage and overvoltage	380…480V a.c.	380…480V a.c.	On/Off delay (0.1...30 s)	2 C/O 8 A	RM22TR33	249.88
-Phase sequence -Phase failure	200…240~V a.c.	200…240V a.c.	No	2 C/O 8 A	RM22TU21	146.16
-Under voltage	380…480V a.c.	380…480V a.c.	No	2 C/O 8 A	RM22TU23	173.35
-Phase sequence -Phase failure	208…480V a.c.	183…528V a.c.	No	2 C/O 8 A	RM22TG20	125.25

1-phase or DC voltage control relays RM22UA and RM22UB

RM22UA and RM22UB 1-phase or DC voltage control relays monitor the following functions:

Functions RM22	UA2●MR	UA3●MR	UA33MT	UB34
Overvoltage (without memory)	■	■	■	■
Undervoltage (with/without memory)	■	■	■	■
Overvoltage (with/without memory)	■	■	■	■
Overvoltage or undervoltage (windows mode)	■	■	■	■

■ Function performed
■ Function not performed

RM22UA●●MR

RM22UB34

References

Function	Rated supply voltage	Measurement range	Time delay	Output	Reference	Price (S$)
-Overvoltage without memory	24…240V ac/dc	0.05…5	No	2 C/O 8 A	RM22UA21MR	199.41
	24…240V ac/dc	1…100	No	2 C/O 8 A	RM22UA22MR	199.41
	24…240V ac/dc	15…500	No	2 C/O 8 A	RM22UA23MR	215.27
-Overvoltage and undervoltage with/ without memory	24…240V ac/dc	0.05…5	Off delay (0.1...30 s)	2 C/O 8 A	RM22UA31MR	290.05
	24…240V ac/dc	1…100	Off delay (0.1...30 s)	2 C/O 8 A	RM22UA32MR	290.05
-Overvoltage and undervoltage with memory window	24…240V ac/dc	15…500	Off delay (0.1...30 s)	2 C/O 8 A	RM22UA33MR	291.18
	380…415V ac/dc	15…500 ~	Off delay (0.1...30 s)	2 C/O 8 A	RM22UA33MT	321.77
-Overvoltage and undervoltage without memory	110…240V ac/dc	80…300	On/Off delay (0.1...30 s)	2 C/O 8 A	RM22UB34	277.07

Zelio control - Control and measurement relays
Current control relays

unit price (excl. GST in Singapore Dollars)

Current control relays — RM22JA and RM35JA

RM22JA21MR

RM22JA31MR

RM35JA32MR

RM35JA32MT

RM22JA and RM35JA multifunction current control relays monitor the following functions:

Functions	RM22JA21MR	RM22JA31MR	RM35JA 32MR/32MT
Overcurrent (without memory)	■	□	□
Overcurrent (with/without memory)	□	■	■
Undercurrent (with/without memory)	□	■	■
Overcurrent and undercurrent (with/without memory) (window mode)	□	■	■

■ Function performed
□ Function not performed

References

Function	Rated 3-phase supply voltage	Measurement range	Time delay	Output	Reference	Price (S$)
▪Overcurrent without memory	24…240V ac/dc	4mA…1A	No	2 C/O 8 A	RM22JA21MR	209.61
▪Overcurrent with/ without memory	24…240V ac/dc	4mA…1A	Off delay (0.1...30 s)	2 C/O 8 A	RM22JA31MR	217.02
▪Undercurrent with/ without memory	24…240V ac/dc	150mA…15A	Off delay (0.1...30 s)	2 C/O 8 A	RM35JA32MR	183.03
▪Overcurrent and undercurrent (windows mode) with/without memory	380…415V ac	150mA…15A	Off delay (0.1...30 s)	2 C/O 8 A	RM35JA32MT	184.16

unit price (excl. GST in Singapore Dollars)

Liquid level control relays RM22LA and RM22LG

RM22LG11MR

RM22LG11MT

RM22LA32MR

RM22LA32MT

RM22LA and RM22LG liquid level control relays control one or two liquid levels, with a fill or empty function:

Functions	RM22LA 32MR/32MT	RM22LG 11MR/11MT
Level 1/Level 2	■	■
Fill operation	■	■
Empty operation	■	■
Low sensitivity	■	■
Standard sensitivity	■	■
High sensitivity	■	■

■ Function performed
■ Function not performed

References

Function	Rated supply voltage	Measurement range	Time delay	Output	Reference	Price (S$)
▪Level 1/ Level 2	24…240V ac/dc	5 K…100 KΩ	None	1 C/O 8A	RM22LG11MR	*162.64*
▪Fill operation	380…415V ac	5 K…100 KΩ	None	1 C/O 8A	RM22LG11MT	*162.64*
▪Empty operation	24…240V ac/dc	250… 1 mΩ	On/Off Delay 0.1…30 s	2 C/O 8A	RM22LA32MR	*295.20*

Zelio Time - Timing relays
NFC Timing Relay
Relay output, width 22.5 mm/0.886 in.

unit price (excl. GST in Singapore Dollars)

Multifunction

2 C/O contacts ▪ Multifunction	Timing ranges	Functions	No. of relay outputs	Voltages (V)	Reference	Price (S$)
▪ Multiple timing ranges ▪ Multivoltage ▪ 2 relay outputs: 8 A - 250 V ▪ Screw terminals ▪ State indication by LED ▪ Option of supplying a load in parallel ▪ 3-wire sensor control option	0.1 s to 999 h	A, Ac, Ad, Ah, Ak, At B, Bw C D, Di, Dt, Dit H, Ht L, Li, Lt, Lit N O P, Pt Qt, Qtt Tl, Tt W	2	24…240V ac/dc	RENF22R2MMW	*160.89*

RENF22R2MMW

Zelio NFC timing relay with Smartphone mobile app

NFC timing relay mobile application

To use NFC timing relay, an Android phone with NFC feature and Android firmware (version 4.1 and above are required. The Zelio NFC app can be downloaded in the mobile with one of the following methods:

- Align the mobile phone NFC antenna to the product NFC antenna. This will take you to the Google Play page for downloading the app.
- Go to Google Play and search for "Zelio NFC".
- Scan the QR code to download the Zelio NFC app. Please refer to Zelio NFC Timing Relay catalogue.

Definitions

Functions

Timing functions are identified by letters. The functions have to be selected correctly from the Zelio NFC app; refer to functional diagrams for connection.

Main timing functions	Complementary functions *(1)*	Definitions
A *(2)*		Power on-delay relay
	Ac	On-delay and off-delay relay with control signal
	At	Power on-delay relay with pause/summation control signal
	Ad	Pulse delayed relay with control signal
	Ah	Pulse delayed relay (single cycle) with control signal
	Ak	Asymmetrical on-delay and off-delay relay with control signal
B *(2)*		Interval relay (single shot) with control signal
	Bw	Double interval relay with control signal
C *(2)*		Off-delay relay with control signal
D *(2)*		Symmetrical flashing relay (starting pulse-off)
	Di *(2)*	Symmetrical flashing relay (starting pulse-on)
	Dit	Symmetrical flashing relay (starting pulse-on) with pause/summation control signal
	Dt	Symmetrical flashing relay (starting pulse-off) with pause/summation control signal
H *(2)*		Interval relay
	Ht	Interval relay with pause/summation control signal
L *(2)*		Asymmetrical flashing relay (starting pulse-off)
	Li *(2)*	Asymmetrical flashing relay (starting pulse-on)
	Lit	Asymmetrical flashing relay (starting pulse-on) with pause/summation control signal
	Lt	Asymmetrical flashing relay (starting pulse-off) with pause/summation control signal
N		Safe-guard relay
O		Delayed safe-guard relay
P		Pulse delayed relay with fixed pulse length
	Pt	Pulse delayed relay with fixed pulse length, pause/summation control signal
Q	Qt	Star-delta relay (2 C/O outputs with split common)
	Qtt	Star-delta relay (2 C/O outputs with split common) with pause/summation control signal
T	Tl	Bistable relay with control signal on
	Tt	Retriggerable bistable relay with control signal on
W		Interval relay with control signal off

(1) Complementary functions enchance the main timing functions. Example: Ac: timing after closing and opening of control contact.

(2) The most commonly used timing functions.

(3) The default function for NFC Timer product is Function A (Poweron-delay) and T=3s.

Zelio Time - Timing relays

Modular relays with solid state or relay output, width 17.5 mm

unit price (excl. GST in Singapore Dollars)

Modular relays with solid state output 0.7 A

Solid state output

- Multifunction, dual function or single function
- Multi-range (7 selectable ranges)
- Multivoltage
- Solid state output: 0.7 A
- Screw terminals

RE17LAMW

RE17L●BM

Functions	Time range	Function	Supply voltages	Reference	Price (S$)
Single function	1 s, 10 s, 1 min, 10 min, 1 h, 10 h, 100 h	A	24... 240V ac/dc	RE17LAMW	*81.06*
		H	24... 240V ac	RE17LHBM	*83.84*
		C	24... 240V ac	RE17LCBM	*77.04*
Dual function	1 s, 10 s, 1 min, 10 min, 1 h, 10 h, 100 h	L, Li	24... 240V ac	RE17LLBM	*83.84*
Multifunction	1 s, 10 s, 1 min, 10 min, 1 h, 10 h, 100 h	A, At, B, C, H, Ht, D, Di, Ac, Bw	24... 240V ac	RE17LMBM	*101.46*

Modular relays with relay output, 1 C/O contact

Relay output, 1 C/O contact

- Dual function or single function
- Multi-range (7 selectable ranges)
- Multivoltage
- 1 relay output: 8 A
- Screw terminals
- State indication by 1 LED
- Option of supplying a load in parallel
- 3-wire sensor control option

RE17R●●U

RE17RMMWS

Functions	Time range	Function	Supply voltages	Reference	Price (S$)
Single function	1 s, 10 s, 1 min, 10 min, 1 h, 10 h, 100 h	B	24V dc 24... 240V ac	RE17RBMU	*64.58*
		C	24V dc 24... 240V ac	RE17RCMU	*64.58*
Dual function	1 s, 10 s, 1 min, 10 min, 1 h, 10 h, 100 h	A, At	24V dc 24... 240V ac	RE17RAMU	*67.47*
		H, Ht	24V dc 24... 240V ac	RE17RHMU	*67.47*
		L, Lt	24V dc 24... 240V ac	RE17RLMU	*67.47*
			12V ac/dc	RE17RLJU	*78.18*
Multifunction	1 s, 10 s, 1 min, 10 min, 1 h, 10 h, 100 h	A, At, B, C, H, Ht, D, Di, Ac, Bw	12V ac/dc	RE17RMJU	*81.06*
			24V dc 24... 240V ac	RE17RMMU	*87.24*
			12... 240V ac/dc	RE17RMMW	*94.66*
				RE17RMMWS	*101.46*
		Ad, Ah, N, O, P, Pt, T, Tt, W	24V dc 24... 240V ac	RE17RMXMU	*101.97*
	1 s, 10 s, 1 min, 10 min, 1 h, 10 h,	A, At, B, C, H, Ht, D, Di,	24V dc 24... 240V ac	RE17RMEMU	*87.24*

Zelio Time - Timing relays

Modular single, dual, or multifunction relays, Relay output, width 22.5 mm/0.886 in.

unit price (excl. GST in Singapore Dollars)

Multifunction

Output 1 C/O and 2 C/O contacts	Timing ranges	Functions	No. of relay outputs	Voltages	Reference	Price (S$)
-Multifunction, dual function, -Multiple timing ranges (7 switchable ranges) - Multivoltage - 1 or 2 relay outputs: 8 A - 250 V	7 selectable timing ranges 1s, 10s, 1min, 10min, 1h, 10h, 100h	Q	1	24V dc/ 24… 240V ac	RE22R1QMU	*118.45*
			1	230… 240V ac 380… 440V ac	RE22R1QMQ	*118.45*

Dual Function

	Timing ranges	Functions	No. of relay outputs	Voltages	Reference	Price (S$)
- Screw or spring terminals - State indication by LED - Option of supplying a load in parallel	7 selectable timing ranges 1s, 10s, 1min, 10min, 1h, 10h, 100h	A, At	2	24V dc/ 24… 240V ac	RE22R2AMU	*163.77*

Multifunction

	Timing ranges	Functions	No. of relay outputs	Voltages	Reference	Price (S$)
- 3-wire sensor control option	7 selectable timing ranges 1s, 10s, 1min, 10min, 1h, 10h, 100h	A, At, B C, H, Ht, Di, D, Ac, Bw	2	24V dc/ 24… 240V ac	RE22R2MMU (1)	*132.56*
				12V ac/dc	RE22R2MJU (1)	*132.56*
				12..240V ac/dc	RE22R2MMW (1)	*163.77*

(1) Connection by screw terminals.

RE22R1QM●

Zelio Time - Timing relays

unit price (excl. GST in Singapore Dollars)

Selection Table

Selection Criteria

- **Functions** (On-delay or Off-delay, counter, flashing…)
- **Supply voltage** (example: a/c 12 V…240 V).
- **Timing range** for a timing relay (example: 0.05 s…100 h) RPM power relays and accessories
- **Type of output** (contact or solid state) and required Number of contacts.
- **Breaking capacity** or **Rated current** of contacts, expressed in Amperes.

This is the maximum current which may flow through the contacts.

Functions	Timing range	Supply voltage	Type of output	Rated current	Relay
A	0.1 s…100 h	⎓ 12 V	2 CO contacts	5 A	REXL2TMJD
			4 CO contacts		REXL4TMJD
		⎓ 24 V	2 CO contacts		REXL2TMBD
			4 CO contacts		REXL4TMBD
		∿ 24 V	2 CO contacts		REXL2TMB7
			4 CO contacts		REXL4TMB7
		∿ 120 V	2 CO contacts		REXL2TMF7
			4 CO contacts		REXL4TMF7
		∿ 230 V	2 CO contacts		REXL2TMP7
			4 CO contacts		REXL4TMP7
		⎓/∿ 24…240 V	1 solid state output	0.7 A	RE17LAMW
					RE17LAMWS
	0.02 s…300 h	⎓/∿ 24…240 V	2 CO contacts	5 A	RE48ATM12MW
A, Ac, At, B, Bw, C, D, Di, H, Ht	0.1 s…100 h	⎓/∿ 24…240 V	1 solid state output	0.7 A	RE17LMBM
					RE17LMBMS
		⎓ 12 V	1 CO contact	8 A	RE17RMJU
		⎓/∿ 12…240 V			RE17RMMW
					RE17RMMWS
		⎓ 24 V/ ∿ 24…240 V			RE17RMMU
					RE17RMMUS
			2 CO contacts		RE22R2MMU
		⎓ 12 V			RE22R2MJU
		⎓/∿ 12…240 V			RE22R2MMW

3

unit price (excl. GST in Singapore Dollars)

Selection Table

Functions	Timing range	Supply voltage	Type of output	Rated current	Relay
A, At	0.1 s...100 h	⎓ 24 V/∿ 24...240 V	1 CO contact	8 A	RE17RAMU
					RE17RAMUS
			2 CO contacts		RE22R2AMU
A, Aw	0.05 s...300 h	⎓ 24...240 V	1 CO contact	8 A	RE22R1AMR
			2 CO contacts		RE22R2AMR
A, At, Aw	0.05 s...300 h	⎓ 24...240 V	1 CO contact	8 A	RE22R1MAMR
A, At, B, C, D, Di, H, Ht	0.1 s...10 h	⎓ 24 V/ ∿ 24...240 V	1 CO contact	8 A	RE17RMEMU
					RE17RMEMUS
A, B, C, Di	0.02 s...300 h	⎓ 24...240 V	2 CO contacts	5 A	RE48AML12MW
A, Ac, Ad, Ah, Ak, At, B, Bw, C, D, Di, Dt, Dit, H, Ht, L, Li, Lt, Lit, N, O, P, Pt, Qt, Qtt, Tl, Tt, W	0.1 s...999 h	⎓ 24...240 V	2 CO contacts	8 A	RENF22R2MMW
A, At, Aw, C, Ct, D, Dt, Dw, Di, Dit, Diw, H, Ht, Hw, Qg, Qgt, Qt, Qtt, W, Wt	0.05 s...300 h	⎓ 24...240 V	2 CO contacts	8 A	RE22R2MYMR
A, At, Aw, C, Ct, D, Dt, Dw, Di, Dit, Diw, H, Ht, Hw, W, Wt, Ac, Act	0.05 s...300 h	⎓ 24...240 V	1 CO contact	8 A	RE22R1MYMR
A1, A2, H1, H2	0.02 s...300 h	⎓ 24...240 V	2 CO contacts	5 A	RE48AMH13MW
Ac	0.05 s...300 h	⎓ 24...240 V	2 CO contacts	8 A	RE22R2ACMR
Ac, Act	0.05 s...300 h	⎓ 24...240 V	1 CO contact	8 A	RE22R1ACMR
Ad, Ah, N, O, P, Pt, Tl, Tt, W	0.1 s...100 h	⎓ 24 V/∿ 24...240 V	1 CO contact	8 A	RE17RMXMU
					RE17RMXMUS
			2 CO contacts	8 A	RE22R2MXMU
Ak, Akt	0.05 s...300 h	⎓ 24...240 V	1 CO contact	8 A	RE22R1AKMR
B	0.1 s...100 h	⎓ 24 V/∿ 24...240 V	1 CO contact	8 A	RE17RBMU
					RE17RBMUS
C	0.1 s...100 h	∿ 24...240 V	1 solid state output	0.7 A	RE17LCBM
					RE17LCBMS
		⎓ 24 V/∿ 24...240 V	1 CO contact	8 A	RE17RCMU
					RE17RCMUS
C, Ct	0.05 s...300 h	⎓ 24...240 V	1 CO contact	8 A	RE22R1CMR
D, Dw	0.05 s...300 h	⎓ 24...240 V	1 CO contact	8 A	RE22R1DMR
			2 CO contacts		RE22R2DMR
H	0.1 s...100 h	∿ 24...240 V	1 solid state output	0. 7 A	RE17LHBM
					RE17LHBMS
H, Hw	0.05 s...300 h	⎓ 24...240 V	1 CO contact	8 A	RE22R1HMR
			2 CO contacts	8 A	RE22R2HMR
H, Ht	0.1 s...100 h	⎓ 24 V/∿ 24...240 V	1 CO contact	8 A	RE17RHMU
					RE17RHMUS
K	0.05 s...10 min	⎓ 24...240 V	1 CO contact	5 A	RE22R1KMR
			2 CO contacts		RE22R2KMR
K, He	0.05 s...300 h	⎓ 24...240 V	1 CO contact	5 A	RE22R1MKMR
L, Li	0.1 s...100 h	⎓ 24 V/∿ 24...240 V	1 CO contact	8 A	RE17RLMU
					RE17RLMUS
		∿ 24...240 V	1 solid state output	0.7 A	RE17LLBM
					RE17LLBMS
		⎓ 12 V	1 CO contact	8 A	RE17RLJU
	0.02 s...300 h	⎓ 24...240 V	2 CO contacts	5 A	RE48ACV12MW
L, Lt, Li, Lit	0.05 s...300 h	⎓ 24...240 V	1 CO contact	8 A	RE22R1MLMR
Q	0.1 s...100 h	⎓ 24 V/∿ 24...240 V	1 CO contact	8 A	RE22R1QMU
		∿ 230...240 V, ∿ 380 ...440 V			RE22R1QMQ
Qc	0.05 s...300 s	⎓ 24 V, ∿ 24...240 V	1 CO contact	8 A	RE22R1QCMU
Qe	0.3 s...30 s	∿ 380...415 V	2 CO contacts	8 A	RE22R2QEMT
		⎓ 24...240 V			RE22R2QEMR
Qg	0.05 s...300 h	⎓ 24...240 V	2 CO contacts	8 A	RE22R2QGMR
Qt	0.05 s...300 h	⎓ 24...240 V	2 CO contacts	8 A	RE22R2QTMR
W, Wt	0.05 s...300 h	⎓ 24...240 V	2 CO contacts	8 A	RE22R2MWMR

Zelio time - Timing relays
Miniature plug-in relays, relay output

unit price (excl. GST in Singapore Dollars)

Relay output, 2 and 4 C/O contacts

- Miniature and plug-in (21 x 27 mm)
- Function A : on-delay

RPM power relays and accessories

- Excellent immunity to interference
- Power on and relay energised indication by 2 LEDs

REXL2TMJD

REXL4TMP7

Timing ranges	7 switchable ranges	0.1 s…1 s - 1 s…10 s - 0.1 min…1 min - 1 min…10 min - 0.1 h…1 h - 1 h…10 h -10 h…100 h			
Relay output		**4 timed C/O contacts**		**2 timed C/O contacts**	
Rated current	**a.c. 5 A**	**Reference**	**Price (S$)**	**Reference**	**Price (S$)**
Voltages	d.c. 12 V	-		REXL2TMJD	*62.93*
	d.c. 24 V (1)	REXL4TMBD	*66.33*	REXL2TMBD	*62.93*
	a.c. 24 V 50/60 Hz (1)	REXL4TMB7	*66.33*	REXL2TMB7	*62.93*
	a.c. 120 V 50/60 Hz	REXL4TMF7	*66.33*	REXL2TMF7	*62.93*
	a.c. 230 V 50/60 Hz	REXL4TMP7	*66.33*	REXL2TMP7	*62.93*
Sockets (2) with mixed contact terminals (3)	With screw clamp terminals (5)	RXZE2M114	*7.83*	RXZE2M114	*7.83*
	With connector (5)	RXZE2M114M	*9.06*	RXZE2M114M	*9.06*
Sockets (2) with separate contact terminals (4)	With connector (6)	RXZE2S114M	*9.06*	RXZE2S108M	*6.70*

(1) For c 48 V supply, additional resistor 560 Ω 2 W / c 24 V.
For a 48 V supply, additional resistor 390 Ω 4 W / a 24 V.
(2) These products are sold in lots of 10.
(3) The inputs are mixed with the relay's supply terminals, with the outputs being located on the opposite side of the socket.
(4) The inputs and outputs are separated from the relay supply terminals.
(5) Thermal current Ith: 10 A
(6) Thermal current Ith: 12 A

Zelio Logic - Smart relays
Compact, SR2

unit price (excl. GST in Singapore Dollars)

Compact smart relays with display

Number of I/O	Discrete inputs	Of which 0-10V analogue inputs	Relay outputs	Transistor outputs	Clock	Reference	Price (S$)
	RPM power r						
Supply 12Vdc							
12	8	4	4	0	Yes	SR2B121JD	*333.72*
20	12	6	8	0	Yes	SR2B201JD	*445.27*
Supply 24Vdc							
10	6	0	4	0	No (1)	SR2A101BD	*303.13*
12	8	4	4	0	Yes	SR2B121BD	*338.77*
	8	4	0	4	Yes	SR2B122BD	*376.16*
20	12	2	8	0	No (1)	SR2A201BD	*406.23*
	12	6	8	0	Yes	SR2B201BD	*445.27*
	12	6	0	8	Yes	SR2B202BD	*509.85*
Supply 24Vac							
12	8	0	4	0	Yes	SR2B121B	*338.77*
20	12	0	8	0	Yes	SR2B201B	*445.27*
Supply 100...240Vac							
10	6	0	4	0	No (1)	SR2A101FU	*303.13*
12	8	0	4	0	Yes	SR2B121FU	*338.77*
20	12	0	8	0	No (1)	SR2A201FU	*416.94*
	12	0	8	0	Yes	SR2B201FU	*445.27*

Compact smart relays without display

Number of I/O	Discrete inputs	Of which 0-10V analogue inputs	Relay outputs	Transistor outputs	Clock	Reference	Price (S$)
Supply 24Vdc							
10	6	0	4	0	No (1)	SR2D101BD	*252.14*
12	8	4	4	0	Yes	SR2E121BD	*300.25*
20	12	2	8	0	No (1)	SR2D201BD	*356.90*
	12	6	8	0	Yes	SR2E201BD	*358.03*
Supply 24Vac							
12	8	0	4	0	Yes	SR2E121B	*300.25*
20	12	0	8	0	Yes	SR2E201B	*382.44*
Supply 100...240Vac							
10	6	0	4	0	No (1)	SR2D101FU	*252.14*
12	8	0	4	0	Yes	SR2E121FU	*300.25*
20	12	0	8	0	No (1)	SR2D201FU	*372.76*
	12	0	8	0	Yes	SR2E201FU	*376.16*

Compact "Discovery" packs

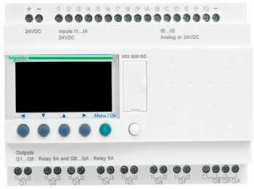
Number	Pack contents	Reference	Price (S$)
Supply 24Vdc			
12	A SR2B121BD modular smart relay, a connecting cable and "Zelio Soft 2" programming software supplied in CD-Rom	SR2PACKBD	*507.07*
20	A SR2B201BD modular smart relay, a connecting cable and "Zelio Soft 2" programming software supplied in CD-Rom	SR2PACK2BD	*677.02*
Supply 100...240Vac			
12	A SR2B121FU modular smart relay, a connecting cable and "Zelio Soft 2" programming software supplied in CD-Rom	SR2PACKFU	*513.25*
20	A SR2B201FU modular smart relay, a connecting cable and "Zelio Soft 2" programming software supplied in CD-Rom	SR2PACK2FU	*665.07*

(1) With NO clock: Programming on smart relay in LADDER language only.

Zelio Logic - Smart relays
Modular, SR3

unit price (excl. GST in Singapore Dollars)

Modular smart relays with display



Number of I/O	Discrete inputs	Of which 0-10V analogue inputs	Relay outputs	Transistor outputs	Clock	Reference	Price (S$)
Supply 24Vdc							
10	6	4	4	0	Yes	SR3B101BD	*343.30*
	6	4	0	4	Yes	SR3B102BD	*343.30*
26	16	6	10 (1)	0	Yes	SR3B261BD	*483.79*
	16	6	0	10	Yes	SR3B262BD	*568.25*
Supply 24Vac							
10	6	0	4	0	Yes	SR3B101B	*343.30*
26	16	0	10 (1)	0	Yes	SR3B261B	*515.52*
Supply 100...240Vac							
10	6	0	4	0	Yes	SR3B101FU	*343.30*
26	16	0	10 (1)	0	Yes	SR3B261FU	*505.32*

Discrete I/O extension modules (2)

SR3 XT61BD

SR3 XT141BD

Number of I/O	Discrete inputs	Of which 0-10V analogue inputs	Relay outputs	Reference	Price (S$)
Supply 24Vdc (for smart relays SR3B●●●BD)					
6	4		2	SR3XT61BD	*132.05*
10	6		4	SR3XT101BD	*163.77*
14	8		6	SR3XT141BD	*178.50*
Supply 24Vac (for smart relays SR3B●●●B)					
6	4		2	SR3XT61B	*145.02*
10	6		4	SR3XT101B	*166.55*
14	8		6	SR3XT141B	*188.08*
Supply 100...240Vac (for smart relays SR3B●●●FU)					
6	4		2	SR3XT61FU	*132.05*
10	6		4	SR3XT101FU	*163.77*
14	8		6	SR3XT141FU	*178.50*

Communication module (2)

For use on	Supply voltage	Reference	Price (S$)
Modbus network	24V dc	SR3MBU01BD	*231.75*

Modular "Discovery" packs

Number	Pack contents	Reference	Price (S$)
Supply 24Vdc			
10	A SR3B101BD modular smart relay, a connecting cable and "Zelio Soft 2" programming software supplied in CD-Rom	SR3PACKBD	*471.95*
26	A SR3B261BD modular smart relay, a connecting cable and "Zelio Soft 2" programming software supplied in CD-Rom	SR3PACK2BD	*712.14*
Supply 100...240Vac			
10	A SR3B101FU modular smart relay, a connecting cable and "Zelio Soft 2" programming software supplied in CD-Rom	SR3PACKFU	*471.95*
26	A SR3B261FU modular smart relay, a connecting cable and "Zelio Soft 2" programming software supplied in CD-Rom	SR3PACK2FU	*712.14*

(1) Including 8 outputs at maximum current of 8 A and 2 outputs at maximum current of 5 A.

(2) Power supply to the I/O extension and communication modules is via the modular smart relays.
Note: The smart relay and its associated extensions must have an identical voltage.

Zelio Logic - Smart relays
Zelio Soft 2 software and programming tools
Communication interface for SR2/SR3

unit price (excl. GST in Singapore Dollars)

Connection accessories

Description		Reference	Price (S$)
Connecting cable	Connection between the PC (SUB-D, 9-way connector) and the Smart relay, length: 3m	SR2CBL01	182.41
	Connection between the PC (USB connector) and the Smart relay. PC compatible with Windows 2000 and XP length: 3m	SR2USB01	226.09
Interface	For additional of USB port (for use with cable SR2CBL01) length: 1.8m	SR2CBL06	458.14

Memory cartidges

SR2MEM02

Description		Reference	Price (S$)
EEPROM memory cartidges	For use with firmware (software embedded in the smart relay) version ≥ 3.0	SR2MEM02	48.72

Modem communication interface

SR2 COM01

SR2 MOD02

Description	For use with	Nominal voltage	Reference	Price (S$)
Modem communicaation interface (including cable SR2 CBL07)	SR● B●●●● SR2 E●●●●	12...24Vdc	SR2COM01 (1)	406.75

(1) Can only be used with "Zelio Soft 2" software version ≥ 3.1.

Signal Conditioner

Analog signal conversion and isolation module

unit price (excl. GST in Singapore Dollars)

Signal Conditioner

RMC1AABD

Input Signal	Output Signal	Power Supply	Reference	Price (S$)
0(4)…20mA	1x 0(4)…20mA	24Vdc +30%/-25% (Looped power)	RMC1AABD	POR
0(2)…10V	1x 0(4)…20mA	24Vdc +30%/-25%	RMC1VABD	POR
0(4)…20mA 0(2)…10V 0(1)…5V	0(4)…20mA 0(2)…10V 0(1)…5V	24Vdc +30%/-25%	RMC1UUBD	POR
0(4)…20mA 0(2)…10V 0(1)…5V	2x 0(4)…20mA 0(2)…10V	24Vdc +30%/-25%	RMC2UUBD	POR
RTD Pt100, Pt1000 Cu50, Cu100	1x 0(4)…20mA 0(2)…10V 0(1)…5V	24Vdc +30%/-25%	RMPT1UUBD	POR
Thermocouple Type K, J, B, E, N, R, S,T, L	1x 0(4)…20mA 0(2)…10V 0(1)…5V	24Vdc +30%/-25%	RMTC1UUBD	POR

Transducer

RMCA1UUBD

Input Current or voltage	Output Signal	Power Supply	Reference	Price (S$)
0…15A ac/dc	1x 0(4)…20mA 0(2)…10V 0(1)…5V	24Vdc +30%/-25%	RMCA1UUBD	POR
0…500 Vac/dc	1x 0(4)…20mA 0(2)…10V 0(1)…5V	24Vdc +30%/-25%	RMCV1UUBD	POR

Modular, Optimized and Universal

Modicon ABLM, ABLS, ABL8

Comply with IEC 62368-1 standard

unit price (excl. GST in Singapore Dollars)

Regulated switch mode with automatic reset: Modular range (Replace ABL8MEM)

40% Smaller !!!

ABLM1A24004

ABLM1A24025

Input voltage	Secondary			Reset	Reference	Price (S$)
	Output voltage	Nominal power	Nominal current			
Single-phase (N-L1) or 2-phase (L1-L2) connection						
100…240 V ac	5 V dc	18 W	3.6 A	Automatic	ABLM1A05036	*154.09*
50/60 Hz	12 V dc	12 W	1 A	Automatic	ABLM1A12010	*103.72*
		25 W	2.1 A	Automatic	ABLM1A12021	*151.82*
		50 W	4.2 A	Automatic	ABLM1A12042	*218.15*
	24 V dc	10 W	0.4 A	Automatic	ABLM1A24004	*90.13*
		15 W	0.6 A	Automatic	ABLM1A24006	*100.84*
		30 W	1.3 A	Automatic	ABLM1A24012	*150.17*
		60 W	2.5 A	Automatic	ABLM1A24025	*217.02*

Regulated switch mode: Optimized range (Replace ABL8REM)

ABLS1A24031

ABLS1A24200

Input voltage	Secondary			Reset	Reference	Price (S$)
	Output voltage	Nominal power	Nominal current			
Single-phase (N-L1) or phase-to-phase (L1-L2) connection						
100...240 VAC	12 Vdc	75 W	6.25 A	Automatic	ABLS1A12062	*142.24*
140…340 VDC		120 W	10 A	Automatic	ABLS1A12100	*197.14*
(except ABLS1A24021	24 Vdc	50 W	2.1 A	Automatic	ABLS1A24021	*117.83*
and ABLS1A24038)		75 W	3.13 A	Automatic	ABLS1A24031	*132.05*
50/60 Hz		91 W	3.8 A	Automatic	ABLS1A24038	*176.75*
		120 W	5 A	Automatic	ABLS1A24050	*185.30*
		240 W	10 A	Automatic	ABLS1A24100	*288.92*
		480 W	20 A	Automatic	ABLS1A24200	*496.25*
	48 Vdc	120 W	2.5 A	Automatic	ABLS1A48025	*197.14*

Regulated switch mode with automatic or manual reset: Universal range

ABL8RPS24050

ABL8RPM24200

ABL8WPS24200

Input voltage	Secondary			Reset	Reference	Price (S$)
	Output voltage	Nominal power	Nominal current			
Single-phase (N-L1) or phase-to-phase (L1-L2) connection						
100…120 V	24...28.8 V	70 W	3 A	Auto/Manual	ABL8RPS24030	*275.94*
200…500 V ac	dc	120 W	5 A	Auto/Manual	ABL8RPS24050	*346.70*
-15%, + 10%		240 W	10 A	Auto/Manual	ABL8RPS24100	*406.23*
50/60 Hz						
100…120 V	24...28.8 V	480 W	20 A	Auto/Manual	ABL8RPM24200	*701.95*
200…240 V ac	dc					
-15%, + 10%						
50/60 Hz						

Modular, Optimized and Universal
Modicon ABLM, ABLS, ABL8

unit price (excl. GST in Singapore Dollars)

Function modules for continuity of service

Function	Use	Description	Reference	Price(S$)
Continuity after a power outage	Holding time 100ms at 40A and 2s RPM power relays and accessories	Buffer module	ABL8BUF24400	*491.72*
Continuity after amal function	Paralleling and redundancy of the power supply to ensure uninterrupted operation of the application excluding AC line failures and application overloads	Redundancy module	ABL8RED24400	*264.61*
Discriminating downstream protection	Electronic protection(1...10A overload & short-circuit) with 4 output terminals from a Universal range Phaseo power supply	Protection module with 2-pole breaking (4)(3)	ABL8PRP24100	*396.55*

Converters DC/AC (for use with Universal range of Phaseo power supplies)

Primary(5)		Secondary		Reference	Price(S$)
Input voltage	Universal range power supply module output current	Output voltage	Nominal current		
24Vdc -9%,+24%	2.2A	5...6.5Vdc	6A	ABL8DCC05060	*227.73*
	1.7A	7...15Vc	2A	ABL8DCC12020	*233.40*

Separate and replacement parts

Designation	Description	Composition	Reference	Price(S$)
Cables	Connection cable between ABL8BBU and PC for updating the software	RS232 3m	SR2CBL01	*182.41*
		USB 3m	SR2USB01	*226.09*
EEPROM memory	Backup and duplication of ABL8BBU parameters		SR2MEM02	*48.72*

(1)For table of compatibility of battery check module-battery unit with holding time depending on the load, see catalogue.

(2)Supplied with 20 or 30A fuse depending on the model.

(3)Supplied with four 15A fuses.

(4) Local reset via pushbutton or automatic reset one limination of the fault and diagnostic relay.

(5) Voltage from a 24V dc Universal range Phaseo power supply.

Modular, Optimized and Universal
Modicon ABLU
UL Hazardous Locations: Class 1, Division 2

unit price (excl. GST in Singapore Dollars)

Modicon ABLU Universal power supplies - 3 Phase

Input voltage	Secondary			Reset	Reference	Price (S$)
	Output voltage	Nominal power	Nominal current			
3-phase (L1-L2-L3) connection, 3-phase (L1-L2-L3) connection						
380...500 V AC	24 V dc	120W	5A	Automatic	ABLU3A24050	*386.25*
3 phase		240W	10A	Automatic	ABLU3A24100	*463.50*
		480W	20A	Automatic	ABLU3A24200	*638.60*
		960W	40A	Automatic	ABLU3A24400	*1,081.50*
	48 V dc	480W	10A	Automatic	ABLU3A48100	*1,308.10*
		960W	20A	Automatic	ABLU3A48200	*1,539.85*

Panel Mount
Modicon ABLP, ABL2K

unit price (excl. GST in Singapore Dollars)

Modicon ABLP regulated switch mode power supplies (replace ABL1)

ABLP1A12085

ABLP1A24100

Mains input voltage	Output voltage	Rated power	Rated current	Automatic protection reset	Complies with standard EN 61000-3-2	Reference	Price (S$)
Single-phase (N-L1) or 2-phase (L1-L2) connection							
AC 100…240V	12 Vdc	100 W	8.3 A	auto	yes	ABLP1A12085	*112.79*
	24 Vdc	100 W	4.5 A	auto	yes	ABLP1A24045	*98.06*
	24 Vdc	150 W	6.2 A	auto	yes	ABLP1A24062	*161.50*
		240 W	10 A	auto	yes	ABLP1A24100	*217.02*

Phaseo Easy ABL2 regulated switch mode 24V DC power supplies

ABL2REM24015K

Input voltage	Output	Nominal	Nominal	Auto-protect	Voltage Switching	Reference	Price (S$)
AC 100…240V (1)	24V d.c	35W	1.5A	Automatic	Automatic	ABL2REM24015K	*43.05*
Single phase wide		50W	2.2A	Automatic	Automatic	ABL2REM24020K	*47.59*
range		100W	4.5A	Automatic	Manual	ABL2REM24045K	*64.07*
AC 100…120V	24V d.c	150W	6.5A	Automatic	Manual	ABL2REM24065K	*79.31*
AC 200…240V (2)		200W	8.3A	Automatic	Manual	ABL2REM24085K	*111.03*
Single Phase		250W	10.5A	Automatic	Manual	ABL2REM24100K	*118.45*
		350W	14.6A	Automatic	Manual	ABL2REM24150K	*126.90*

(1) Compatible input voltages from DC 110…370V not indicated on the product

(2) Compatible input voltages from DC 255…370V not indicated on the product

Options for Phaseo Easy ABL2 power supplies

ABL2K01

ABL2K02

ABL2K03A *ABL2K03B*

Description	For Power supplies	Lot sizes	Reference	Price (S$)
For direct mounting on back panel Mounting screws not provided. Recommended use: M4 (6 mm/0.24 in) or M4 (8 mm/0.31 in) screws	ABL2REM24085K, ABL2REM24100K, ABL2REM24150K	1	ABL2K01	*2.47*
For mounting on 35 mm (1.37 in.) DIN rail	All models	5 (1)	ABL2K02	*4.84*
Size: Small L	ABL2REM24015K, ABL2REM24020K, ABL2REM24045K, ABL2REM24065K	1	ABL2K03A	*16.27*
Size: Big L	ABL2REM24085K, ABL2REM24100K, ABL2REM24150K	1	ABL2K03B	*22.45*

(1) ABL2K02 is a pack of 5 accessories usable on 35 mm (1.37 in.) DIN rails. Please note that only 1 accessory is necessary for mounting a 35 to 150 W power supply but 2 accessories are needed for the other three models (200, 250, and 350 W).

Modicon M221

Programmable logic controller for hardwired architectures

unit price (excl. GST in Singapore Dollars)

Modicon M221 logic controllers

100-240 V power supply

Number of logic I/O	Logic outputs	Analog inputs	Reference	Price (S$)
16 inputs/outputs	7 relay outputs	2 x 0…10 V inputs	TM221C16R	POR
24 inputs/outputs	10 relay outputs	2 x 0…10 V inputs	TM221C24R	POR
40 inputs/outputs	16 relay outputs	2 x 0…10 V inputs	TM221C40R	POR

24V power supply

Number of logic I/O	Logic outputs	Analog inputs	Reference	Price (S$)
16 inputs/outputs	7 source transistor outputs	2 x 0…10 V inputs	TM221C16T	646.43
24 inputs/outputs	10 source transistor outputs	2 x 0…10 V inputs	TM221C24T	774.46
40 inputs/outputs	16 source transistor outputs	2 x 0…10 V inputs	TM221C40T	POR

Modicon M221 Book logic controllers

24V power supply

Number of logic I/O	Logic outputs	Analog inputs	Reference	Price (S$)
16 inputs/outputs	8 relay outputs	2 x 0…10 V inputs	TM221M16R	739.33
32 inputs/outputs	16 source transistor outputs	2 x 0…10 V inputs	TM221M32TK	980.66

Note: For more Product Types please contact Schneider Electric

Modicon M241
Programmable logic controller for performance demanding applications

Modicon M251
Programmable logic controller for modular and distributed architectures

Modicon M262
IIoT-ready logic/motion controller for performance machines

unit price (excl. GST in Singapore Dollars)

Modicon M241 logic controllers

Number of logic I/O	Logic outputs	Analog inputs	Reference	Price (S$)
24 inputs/outputs	10 outputs	Optional	TM241C24R	1304.70
40 inputs/outputs	16 outputs	Optional	TM241C40R	1799.20
24V power supply				
Number of logic I/O	**Logic outputs**	**Analog inputs**	**Reference**	**Price (S$)**
24 inputs/outputs	10 source transistor outputs	Optional	TM241C24T	1295.02
40 inputs/outputs	16 source transistor outputs	Optional	TM241C40T	1799.20

Modicon M251 logic controllers

24V power supply				
Ethernet 1 "Machine" or "Factory" (RJ 45)	**Ethernet 2 "Fieldbus" (RJ45)**	**CANopen/ Serial**	**Reference**	**Price (S$)**
2 (connected by a switch)	1	1	TM251MESE	1483.10
2 (connected by a switch)	NA	2	TM251MESC	1483.10

Modicon M262 controllers

Logic controllers				
Number of logic I/O	**ns/Boleean instructions**	**Comm Network**	**Reference**	**Price (S$)**
8 fast DI and DO	5	3	TM262L01MESE8T	2271.67
		3	TM262L10MESE8T	4603.07
		3	TM262L20MESE8T	4719.46
			Different Smart Modules	POR
Motion controllers				
Number of logic I/O	**Logic outputs**	**Comm Network**	**Reference**	**Price (S$)**
8 fast DI and DO	5	4	TM262M05MESS8T	POR
& 1 encoder input	5	4	TM262M15MESS8T	4338.88
with axes control	3	4	TM262M25MESS8T	6181.13
	3	4	TM262M35MESS8T	8221.67

Note: For more Product Types please contact Schneider Electric

unit price (excl. GST in Singapore Dollars)

M172 Optimized logic controllers: Power supply: 24 V z

35 mm/1.38 in 5 rail mounting, and Panel mounting with accessory

Number of logic I/O	Type	Comm Port	Reference	Price (S$)
18	2DI,8AI,6DO,2AO	1 CAN expansion bus 2 RS485 1 USB Mini-B 1 Comm module port	TM172OBM18R	723.58
28	8DI,8AI,8DO,4AO	1 CAN expansion bus 2 RS485 1 USB Mini-B 1 Comm module port	TM172OBM28R	866.23
42	12DI,12AI,12DO,6AO	1 CAN expansion bus 2 RS485 1 USB Mini-B 1 Comm module port	TM172OBM42R	1029.49

Note: For more Product Types please contact Schneider Electric

M172 Performance logic controllers: Power supply: 24 V z

35 mm/1.38 in 5 rail mounting, and Panel mounting with accessory

Number of logic I/O	Type	Comm Port	Reference	Price (S$)
7	2DI,2AI,3DP	1 Ethernet 1 CAN expansion bus 2 RS485 1 USB (type A) 1 USB Mini-B 1 Comm module port 1 µSD Card slot	TM172PBG07R	683.92
18	2DI,9AI,6DO,2AO	1 Ethernet 1 CAN expansion bus 2 RS485 1 USB (type A) 1 USB Mini-B 1 Comm module port 1 µSD Card slot	TM172PBG18R	904.86
28	8DI,8AI,8DO,4AO	1 Ethernet 1 CAN expansion bus 2 RS485 1 USB (type A) 1 USB Mini-B 1 Comm module port 1 µSD Card slot	TM172PBG28R	1020.73
42	12DI,12AI,12DO,6AO	1 Ethernet 1 CAN expansion bus 2 RS485 1 USB (type A) 1 USB Mini-B 1 Comm module port 1 µSD Card slot	TM172PBG42R	1285.96

Note: For more Product Types please contact Schneider Electric

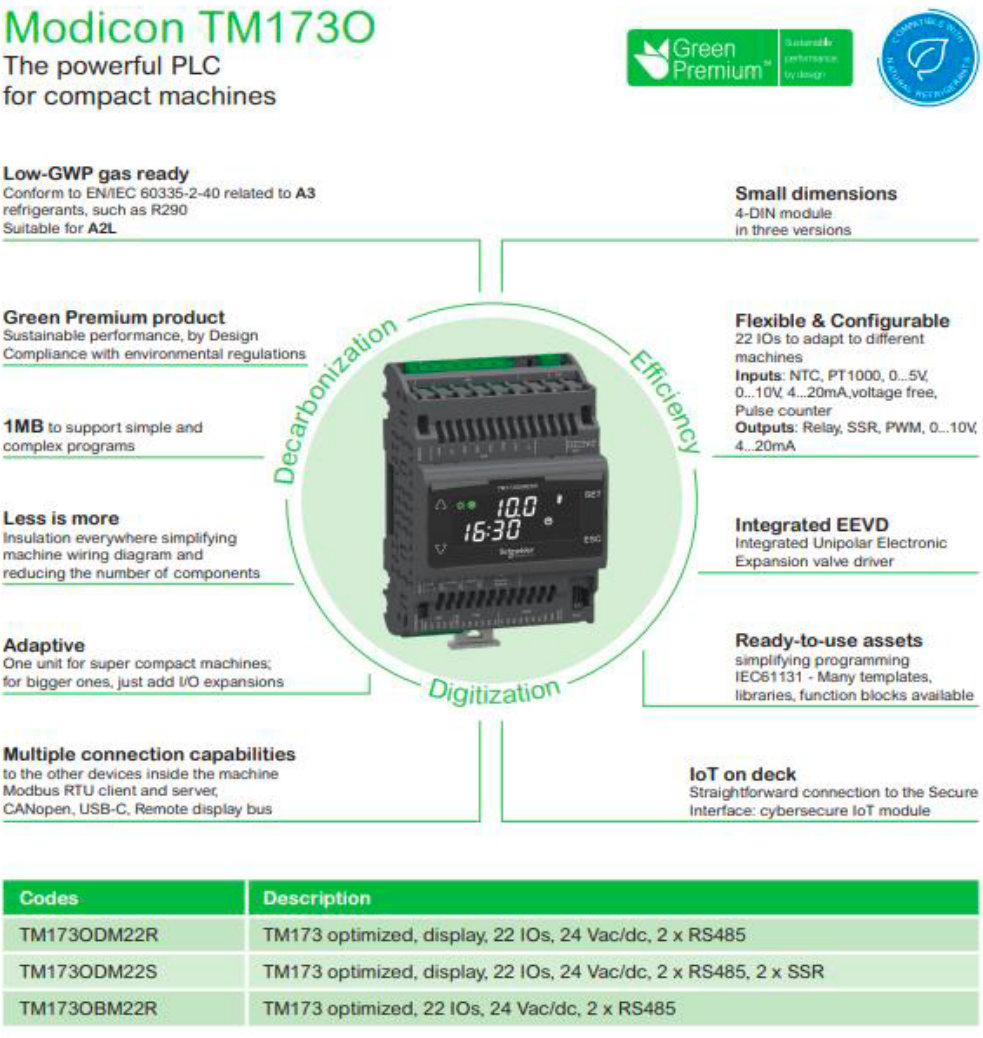
unit price (excl. GST in Singapore Dollars)

M173 Optimized logic controllers: Power supply: 24 V z

35 mm/1.38 in 5 rail mounting, and Panel mounting with accessory

	Number of logic I/O	Type	Comm Port	Reference	Price (S$)
TM173ODM22R	22	6DI,7AI,5DO,4AO	1 CAN expansion bus 2 RS485 1 USB-C 1 Comm module port	TM173ODM22R	POR
	22	6DI,7AI,5DO,4AO	1 CAN expansion bus 2 RS485 1 USB-C 1 Comm module port	TM173ODM22S	POR
	22	6DI,7AI,5DO,4AO	2 CAN expansion bus 1 USB-C 1 Comm module port	TM173OBM22R	POR

Note: For more Product Types please contact Schneider Electric



Codes	Description
TM173ODM22R	TM173 optimized, display, 22 IOs, 24 Vac/dc, 2 x RS485
TM173ODM22S	TM173 optimized, display, 22 IOs, 24 Vac/dc, 2 x RS485, 2 x SSR
TM173OBM22R	TM173 optimized, 22 IOs, 24 Vac/dc, 2 x RS485

unit price (excl. GST in Singapore Dollars)

SCADAPack

Data entry method	Input type	Analog input type	Compatibility	References	Price (S$)
Display					
Analog Input Module	8 AI	Voltage,input range: 0...5 V	SCADAPack 47x SCADAPack 57x SCADAPack 500E SCADAPack 300E SCADAPack 300,32	TBUX297319	*POR*
		Voltage, input range: 1...5 V			
		Current, input range: 0...20 mA			
		Current, input range: 4...20 mA			

SCADAPack

Data entry method	Output type	Analog input type	Compatibility	References	Price (S$)
Display					
Analog Output Module	4 AO	Current, input range: 0...20 mA	SCADAPack 47x SCADAPack 57x SCADAPack 500E SCADAPack 300E SCADAPack 300,32	TBUX297319	*POR*
		Current, input range: 4...20 mA			

Modicon Ethernet Switch

Based on the complexity and application, we provide networking products in different categories and levels, covering unmanaged switches, managed switches and firewalls

unit price (excl. GST in Singapore Dollars)

Standard Unmanaged switch, 4-8 ports, twisted pair and fiber optic

MCSESU053FN0

12-24 V power supply

Device Type	Power consumption	Fiber Optic Ports	Reference	Price (S$)
5TX, 5x10/100BASE -TX ports	1.3W	-	MCSESU053FN0	355.97
4TX/1FX-MM, 4x10/100BASE -TX ports	2.4W	Duplex SC, multimode fiber	MCSESU053F1CU0	699.37
8TX, 8x10/100BASE -TX ports	1.5W	-	MCSESU083FN0	556.72
6TX/2FX-MM, 8x10/100BASE -TX ports	3.8W	Duplex SC, singlemode fiber	MCSESU083F2CU0	1271.02
6TX/2FX-SM, 8x10/100BASE -TX ports	3.8W	Duplex SC, multimode fiber	MCSESU083F2CS0	1734.01
5TX/2FX-SM, 5x10/100BASE -TX ports	3.2W	-	TCSESU051F0	*POR*

Premium Unmanaged switch, 4-8 ports, twisted pair and fiber optic

TCSESPU053F1CU0

12-24 V power supply

Device Type	Power consumption	Fiber Optic Ports	Reference	Price (S$)
4TX/1FX-MM, 4x10/100BASE -TX ports	4.3W	Duplex SC, multimode fiber	TCSESPU053F1CU0	1456.42
4TX/1FX-SM, 4x10/100BASE -TX ports	4.3W	Duplex SC, singlemode fiber	TCSESPU053F1CS0	*POR*
8TX, 8x10/100BASE -TX ports	2.6W	-	TCSESPU083FN0	*POR*
7TX/2FX-MM, 7x10/100BASE -TX ports	6.9W	Duplex SC, multimode fiber	TCSESPU093F2CU0	*POR*
7TX/2FX-SM, 7x10/100BASE -TX ports	6.9W	Duplex SC, singlemode fiber	TCSESPU093F2CS0	*POR*

Basic Managed switch, 4-6 ports, twisted pair and fiber optic

TCSESB083F23F0

12-24 V power supply

Cable Ports	Power consumption	Fiber Optic Ports	Reference	Price (S$)
4TX,4x10/100BASE -TX ports	2.35W	-	TCSESL043F23F0	1129.09
8TX, 8x10/100BASE -TX ports	6W	-	TCSESB083F23F0	1578.27
6TX, 6x10/100BASE -TX ports	8W	Duplex SC, multimode fiber	TCSESB083F2CU0	2389.50
6TX, 6x10/100BASE -TX ports	9W	Duplex SC, multimode fiber	TCSESB093F2CU0	POR

Standard Managed switch, 4-6 ports, twisted pair and fiber optic

MCSESM063F2CU0

12-24 V power supply

Cable Ports	Power consumption	Fiber Optic Ports	Reference	Price (S$)
4TX,4x10/100BASE -TX ports	5W	-	MCSESM043F23F0	1542.01
4TX/1FX-MM, 4x10/100BASE -TX ports	6W	Duplex SC, multimode fiber	MCSESM053F1CU0	2066.08
4TX/1FX-SM, 4x10/100BASE -TX ports	6W	Duplex SC, singlemode fiber	MCSESM053F1CS0	2459.23
4TX/2FX-MM, 4x10/100BASE -TX ports	7W	Duplex SC, multimode fiber	MCSESM063F2CU0	2361.17
4TX/2FX-SM, 4x10/100BASE -TX ports	7W	Duplex SC, singlemode fiber	MCSESM063F2CS0	3246.66

Modicon Ethernet Switch

Based on the complexity and application, we provide networking products in different categories and levels, covering unmanaged switches, managed switches and firewalls

unit price (excl. GST in Singapore Dollars)

Standard Managed switch, 8-10ports, twisted pair and fiber optic

MCSESM103F2CU0H

12-24 V power supply

Cable Ports	Power consumption	Fiber Optic Ports	Reference	Price (S$)
8TX, 8x10/100BASE -TX ports	6W		MCSESM083F23F0	2492.09
8TX HARSH, 8x10/100BASE -TX ports	6W	-	MCSESM083F23F0H	3082.38
8TX/1FX-MM, 8x10/100BASE -TX ports	7W	Duplex SC, multimode fiber	MCSESM093F1CU0	3082.38
8TX/1FX-SM, 8x10/100BASE -TX ports	7W	Duplex SC, singlemode fiber	MCSESM093F1CS0	3918.53
8TX/2FX-MM, 8x10/100BASE -TX ports	8W	Duplex SC, multimode fiber	MCSESM103F2CU0	3578.01
8TX/2FX-MM HARSH, 8x10/100BASE -TX ports	8W	Duplex SC, multimode fiber	MCSESM103F2CU0H	3869.20
8TX/2FX-SM, 8x10/100BASE -TX ports	8W	Duplex SC, singlemode fiber	MCSESM103F2CS0	4197.25
8TX/2FX-SM HARSH, 8x10/100BASE -TX ports	8W	Duplex SC, singlemode fiber	MCSESM103F2CS0H	4410.25

Standard Managed switch, 12 ports, twisted pair and fiber optic

MCSESM123F23G0

12-24 V power supply

Cable Ports	Power consumption	Fiber Optic Ports	Reference	Price (S$)
8TX/4GE-TX, 8x10/100BASE -TX ports	9W	-	MCSESM123F23G0	4201.16
8TX/4GE-SFP, 8x10/100BASE -TX ports	10W	-	MCSESM123F2LG0	3541.24

Standard Managed switch, 16-24 ports, twisted pair and fiber optic

MCSESM243F4LG0

12-24 V power supply

Cable Ports	Power consumption	Fiber Optic Ports	Reference	Price (S$)
16TX, 16x10/100BASE -TX ports	10w	-	MCSESM163F23F0	4582.99
16TX/4GE-SFP, 16x10/100BASE -TX ports	16W	-	MCSESM203F4GL0	POR
20TX/4GE-SFP, 20x10/100BASE -TX ports	17W	-	MCSESM243F4LG0	7256.87

PoE Managed Switch

MCSESP083F23G0

Device Type	Power consumption	Fiber Optic Ports	Reference	Price (S$)
8GE-TX, 8x10/100/1000 BASE	106W	-	MCSESP083F23G0	5551.70
8GE-TX, 8x10/100/1000 BASE	106W	-	MCSESP083F23G0T	6328.42

Extended Managed switch, 8 ports, twisted pair and fiber optic

MCSESM103F2CS1

Cable Ports	Power consumption	Fiber Optic Ports	Reference	Price (S$)
8TX,8x10/100BASE -TX ports	6W	-	MCSESM083F23F1	POR
8TX HARSH,8x10/100BASE -TX ports	6W	-	MCSESM083F23F1H	POR
8TX/2FX-MM ,8x10/100BASE -TX ports	8W	Duplex SC, multimode fiber	MCSESM103F2CU1	POR
8TX/2FX-MM HARSH,8x10/100BASE -TX ports	8W	Duplex SC, multimode fiber	MCSESM103F2CU1H	POR
8TX/2FX-SM ,8x10/100BASE -TX ports	8W	Duplex SC, singlemode fiber	MCSESM103F2CS1	POR
8TX/2FX-SM HARSH,8x10/100BASE -TX ports	8W	Duplex SC, singlemode fiber	MCSESM103F2CS1H	POR

Modicon Ethernet Switch

Based on the complexity and application, we provide networking products in different categories and levels, covering unmanaged switches, managed switches and firewalls

unit price (excl. GST in Singapore Dollars)

Redundancy Switch

MCSESR043F23F0

12-48 V power supply

Cable Ports	Power consumption	Fiber Optic Ports	Reference	Price (S$)
4TX, 4x10/100BASE -TX ports	7W	-	MCSESR043F23F0	4554.54
4TX, 4x10/100BASE -TX ports	7W	-	MCSESR043F23F0C	5230.47
2TX, 2x10/100BASE -TX ports	9W	-	MCSESR043F2LM0	4989.06
2TX, 2x10/100BASE -TX ports	9W	-	MCSESR043F2LM0C	5632.81

Industrial Firewall Switch

TCSEFEA23F3F22

12-24 V power supply

Cable Ports	Power consumption	Fiber Optic Ports	Reference	Price (S$)
2TX, 2x10/100BASE -TX ports	6.9w	-	TCSEFEA23F3F22	4215.38
2TX, 2x10/100BASE -TX ports	6.9w	-	TCSEFEC23F3F21	POR
1TX/1FX-MM, 1x10/100BASE -TX ports	8.3W	Duplex SC, multimode fiber	TCSEFEC23FCF21	POR

unit price (excl. GST in Singapore Dollars)

M660

MN660C/MN660P

Motion Controllers

Synchronized axes	Ethernet endpoints	Memory	Operating system	Reference	Price (S$)
16	3x Ethernet ports	4 GB	Real-time	MN660C153N1010	10351.50
32	3x Ethernet ports	4 GB	Real-time	MN660C253N1010	11692.56

Compute Motion controllers

Synchronized axes	Ethernet endpoints	Memory	Operating system	Reference	Price (S$)
32	3x Ethernet ports	8 GB	Windows 11	MN660P253N2011W0	14197.01
130	4x Ethernet ports	8 GB	Windows 11	MN660P354N2013W0	19751.28

Mounting accessories

Designation	To use with	Reference	Price (S$)
Fan kit	MN660C and MN660P	MNAH6AFS01	556.20
Book mounting kit	MN660C and MN660P	MNAH6MBS	POR
Flat mounting installation kit	MN660C and MN660P	MNAH6MF	370.80
Cable holder	MN660C and MN660P	MNAH6ACH	POR
Complete spring connector set	MN660C and MN660P	MNSH6M4GM	POR

Modicon Edge I/O NTS

The future-ready I/O system for data aggregation

unit price (excl. GST in Singapore Dollars)

Discrete Input kits (Discrete input module + Base)

NTSDDI0602K

Number of Channels	Rated input voltage	Logic type	Wiring mode	Version	Reference	Price (S$)
6	24 VDC	Sink	1-2-3-wire	Standard	NTSDDI0602K	282.89
8	24 VDC	Sink	1-2-wire	Standard	NTSDDI0802XK	282.89
16	24 VDC	Sink	1-wire	Standard	NTSDDI1602K	359.15
16	24 VDC	Sink	1-2-3-wire	Standard	NTSDDI1602XK	399.05
16	24 VDC	Sink	1-2-3-wire	Hardened	NTSDDI1602XHK	538.72
16	24 VDC	Source	1-wire	Standard	NTSDDI1642K	POR
4	24VAC	-	1-2-3-wire	Hardened	NTSDAI0403HK	POR
2(isolated)	100…240VAC	-	1-2-3-wire	Hardened	NTSDAI0215HK	POR
4	100…240VAC	-	1-2-wire	Hardened	NTSDAI0404HK	POR
8	100…240VAC	-	1-wire	Standard	NTSDAI0804K	POR

Discrete Outputs kits (Discrete output module + Base)

NTSDDO0212HK

Number of Channels	Rated input voltage	Output type	Wiring mode	Version	Reference	Price (S$)
2(isolated)	24 VDC	Transistor source	1-2-3-wire	Hardened	NTSDDO0212HK	330.86
4	24 VDC	Transistor source	1-2-3-wire	Standard	NTSDDO0402K	POR
4	24 VDC	Transistor source	1-2-3-wire	Hardened	NTSDDO0402HK	POR
6	24 VDC	Transistor source	1-2-3-wire	Standard	NTSDDO0602K	POR
8	24 VDC	Transistor source	1-wire	Standard	NTSDDO0802K	387.43
8	24 VDC	Transistor source	1-2-wire	Standard	NTSDDO0802XK	362.83
16	24 VDC	Transistor source	1-wire	Standard	NTSDDO1602K	POR
16	24 VDC	Transistor source	1-2-wire	Standard	NTSDDO1602XK	POR
16	24 VDC	Transistor source	1-2-wire	Hardened	NTSDDO1602XHK	POR
16	24 VDC	Transistor source	1-2-wire	Standard	NTSDDO1602XAK	POR
16	24 VDC	Transistor source	1-2-wire	Hardened	NTSDDO1602XAHK	POR
2	24 to 250 VAC	Relay	2-wire	Standard	NTSDRC0215K	POR
4	24 to 250 VAC	Relay	2-wire	Standard	NTSDRC0415K	POR
4	24 to 250 VAC	Relay	2-wire	Hardened	NTSDRC0415HK	POR
6	120 VDC	Relay	2-wire	Standard	NTSDRA0615K	344.38
2	80...264 VAC	Triac	1-2-3-wire	Standard	NTSDAO0205K	POR
4	80...264 VAC	Triac	1-2-3-wire	Standard	NTSDAO0415K	POR
4(isolated)	80...264 VAC	Triac	1-2-3-wire	Hardened	NTSDAO0415HK	POR

Analog Input Kits (Analog input module + Base)

NTSDDI0602K

Number of Channels	Signal Type	Wiring mode	Version	Reference	Price (S$)
2(isolated)	Current, Voltage	2-3-4-wire	Standard	NTSAMI0210K	860.96
2(isolated)	Current, Voltage	2-3-4-wire	Hardened	NTSAMI0210HK	1162.29
4	Current, Voltage	2-wire	Standard	NTSAMI0400K	842.51
4	Current, Voltage	2-wire	Standard	NTSAMI0420K	POR
8	Current, Voltage	1-2-wire	Standard	NTSAMI0800K	POR
4(isolated)	Current	2-wire	Hardened	NTSAHI0412XHK	POR
8	Current	2-wire	Standard	NTSACI0802XK	1285.29
8	Current	1-2-wire	Hardened	NTSACI0802XHK	1735.14
2(isolated)	Temperature	2-3-4-wire	Standard	NTSART0214K	POR
2(isolated)	Temperature	2-3-4-wire	Hardened	NTSART0214HK	POR
4	Temperature	2-3-wire	Standard	NTSART0404K	POR
4	Temperature	2-3-4-wire	Hardened	NTSART0404XHK	POR
6	Temperature	2-3-4-wire	Standard	NTSART0603K	POR

Modicon Edge I/O NTS

The future-ready I/O system for data aggregation

unit price (excl. GST in Singapore Dollars)

Analog output kits (Analog output module + Base)

NTSAHO0212HK

Number of Channels	Signal Type	Wiring mode	Version	Reference	Price (S$)
2(isolated)	Current	2-wire	Hardened	NTSAHO0212HK	POR
2(isolated)	Current, Voltage	2-3-4-wire	Standard	NTSAMO0210K	POR
2(isolated)	Current, Voltage	2-3-4-wire	Hardened	NTSAMO0210HK	POR
4	Current, Voltage	2-wire	Standard	NTSAMO0400K	891.71
4	Current, Voltage	2-wire	Hardened	NTSAMO0400HK	1203.80

Counting kits (Counter module + Base)

NTSEHC0100K

Number of Channels	Type	Wiring mode	Version	Reference	Price (S$)
1	(using 4 inputs 24 VDC)	2-wire	Standard	NTSEHC0100K	777.94
1	(using 4 inputs 24 VDC)	2-3-4-wire	Hardened	NTSEHC0120HK	1089.11
2	250 kHz (using 8 inputs 24 VDC)	2-3-4-wire	Standard	NTSEHC0220K	1475.93

Field device master kits (FDM module + Base)

NTSFMB0120K

Number of Channels	Protocol	Version	Reference	Price (S$)
1	Modbus RTU, ASCII,	Standard	NTSFMB0120K	POR
1	Modbus RTU,	Hardened	NTSFMB0120HK	POR
Up to 4	IO-Link Master	Standard	NTSFIO0400K	774.86

Passive kits (Passive module + Base)

NTSPCM0016HK

Common Distribution kits

Designation	Version	Reference	Price (S$)
16 x 0 VDC commons	Hardened	NTSPCM0016HK	202.94
16 x 24 VDC commons with one electronic fuse	Hardened	NTSPCM1600HK	215.24
8 x 0 VDC commons			
8 x 24 VDC commons with one electronic fuse	Hardened	NTSPCM0808HK	215.24
1-slot: 15 mm width (0.59 in)	Hardened	NTSDMY0100HK	135.29
2-slot: 30 mm width (1.18 in)	Hardened	NTSDMY0200HK	196.79

Power supply kits (Power supply module + Base)

NTSPFD1002HK

Rated supply voltage	Version	Reference	Price (S$)
24 VDC	Hardened	NTSPFB1002HK	227.54
24 VDC	Hardened	NTSPFD1002HK	196.79

Modicon Edge I/O NTS

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Network interface kits (Network Interface module + Base)

NTSNEC1200K

Network	Communication port	Version	Reference	Price (S$)
Modbus TCP	2x RJ45	Standard	NTSNEC1200K	1150.00
EtherNet/IP Modbus TCP USB 2.0 (HTTPs and RNDIS)	2x RJ45	Hardened	NTSNEC1200HK	1419.42

SCHNEIDER ELECTRIC SINGAPORE PTE LTD
GENERAL TERMS AND CONDITIONS OF SALES

SCHNEIDER ELECTRIC
GENERAL TERMS AND CONDITIONS OF SALE (SINGAPORE)

1 PURPOSE

1.1 Unless otherwise expressly agreed in writing, all Products, Services and Projects are supplied on the following terms and conditions which shall include:
(a) The proposal or quote ("Quotation") provided by Schneider Electric;
(b) These Terms and Conditions;
(c) Each Order submitted by the Customer and accepted by Schneider Electric.

1.2 For the purposes of these terms a reference to "Agreement" shall mean the above documents in Articles 1.1(a) to (c).

1.3 If there is any conflict or inconsistency between the above documents, the documents will rank in order of precedence with the order in which they are listed in Article 1.1 above.

1.4 Each Order issued by the Customer and accepted by Schneider Electric will be accepted on the basis of these Terms and Conditions, to the exclusion of all other terms including any terms and conditions referenced or set forth on the face or reverse side of any Order or other document presented by the Customer. Any acknowledgement or other form of acceptance by Schneider Electric of the Customer's Order containing other terms and conditions shall not have any effect in modifying these Terms and Conditions, unless explicitly accepted by Schneider Electric in writing.

1.5 No amendment to the Agreement is valid or binding unless made in writing and signed by both Parties' authorised representatives.

2 DEFINITIONS

2.1 For the purpose of these Terms and Conditions, capitalised terms shall have the meanings ascribed to them as follows, unless the context would obviously require otherwise:

Acceptance Tests means acceptance testing based on agreed objective criteria between the Parties, or factory acceptance testing based on Schneider Electric standard procedure.

Affiliate means any company or entity in which a Party or its parent company or companies now or later owns or controls, directly or indirectly, 50% or more of the voting stock or otherwise controls or is under common control with such company or entity; and "control" as used in this Agreement shall mean the power or authority to, through ownership or voting securities, by contract or otherwise, direct the management and policies of the company or entity.

Anti-Corruption Law means any applicable laws or regulations that prevent or prohibit acts of conferring of any kind of monetary and non-monetary gift, payment, gratification or other benefit on any person with the intention to bribe, corrupt, secure benefit or solicit favours from that person, including but not limited to: (i) the French "Sapin II" Law 2016; (ii) the Foreign Corrupt Practices Act 1977; (iii) the United Kingdom Bribery Act 2010; (iv) any legislation implementing the OECD Convention on Combating Bribery of Foreign Public Officials in International Business Transactions or the UN Convention Against Corruption, and in addition the relevant anti-corruption laws of the Country.

Applicable Data Privacy Law means the applicable personal data protection and data privacy laws in the Country where Schneider Electric submits its Quotation to the Customer.

Background IP means the Intellectual Property Rights owned by a Party which are in existence at the date of this Agreement or have come into existence after the date of the Agreement otherwise than in connection with this Agreement.

Confidential Information means any information or data disclosed by the Discloser to the Recipient pursuant to this Agreement, either in writing, electronically, orally or visually, subject to the conditions set forth hereafter, and including without limitation any written or printed documents, samples, models, information, plans, designs, concepts, protocol, and certain other information which may include, but is not limited to, techniques, methods, processes, procedures, "know-how", trade secrets, materials, prototypes, samples, tangible things, technical, financial or business information, terms and conditions of any pending or existing agreements between the Parties or any means of disclosing such Confidential Information that the Discloser may elect to use for the duration of this Agreement. Confidential Information so received by the Recipient from an affiliate of the Discloser shall be considered as Confidential Information and be subject to the confidentiality obligations of this Agreement.

Country means Singapore.

Customer means the Party who has purchased Products, Services, Software and Projects from Schneider Electric under the Agreement, and to whom Schneider Electric will supply the Products, Services, Software and Projects and seek payment from in accordance with the Agreement.

Cyber Threat means any circumstance or event with the potential to adversely impact, compromise, damage, or disrupt Customer's Systems (as defined in Article 13) or that may result in any unauthorized access, acquisition, loss, misuse, destruction, disclosure, and/or modification of Customer's Systems, including any data, including through malware, hacking or similar attacks.

Delivery Point has the meaning as set out in Article 4.2 of these Terms and Conditions.

Discloser means the Party, its Affiliate or authorised third party, that discloses Confidential Information to the Recipient.

Energy Consulting Services means Services that support Customers in managing financial risks when purchasing energy and energy consumption and/or generation.

Feedback has the meaning as set out in Article 13.3(a) of these Terms and Conditions.

Fixed Price means the fixed lump sum amount quoted by Schneider Electric for the supply of specified Products, Services, Software and Projects.

Force Majeure has the meaning as set out in Article 23.2 of these Terms and Conditions.

Indirect Tax means the applicable and prevailing goods and services tax ("**GST**"), value added tax ("**VAT**"), sales tax and/or services tax ("**SST**") levied on any value of Products, Services, Software and Projects deemed to be taxable supply in the Country where such Products, Services, Software and Projects are supplied and/or performed, the amount of which is to be paid by the Customer when invoiced by Schneider Electric, in accordance with local applicable tax laws and regulations.

Foreground IP means all Intellectual Property Rights (present or future) created, discovered, generated or have come into existence as a result of, for the purpose of, or in connection with the Products, Services and/or Projects, that either Schneider Electric or its third party supplier develops (regardless of whether based on the Intellectual Property Rights Schneider Electric provides to its third party supplier or otherwise) during the course of the performance of the Agreement.

Intellectual Property Rights means patents, utility models, rights to inventions, copyright and neighbouring and related rights, trademarks and service marks, business names and domain names, rights in get-up and trade dress, goodwill and the right to sue for passing off or unfair competition, rights in designs, database rights, rights to use, and protect the confidentiality of, confidential information (including know-how and trade secrets), and all other intellectual property rights, in each case whether registered or unregistered and including all applications and rights to apply for and be granted, renewals or extensions of, and rights to claim priority from, such rights and all similar or equivalent rights or forms of protection which subsist or will subsist now or in the future in any part of the world.

Law means any statute, regulation, order, rule, subordinate legislation or other document enforceable under any statute, regulation, rule or subordinate legislation and includes a modification or re-enactment of it.

Order means the purchase order document issued by the Customer to and accepted by Schneider Electric for the purchase of Products, Services, Software and Projects for a fee, in accordance with Article 1.3 of these Terms and Conditions.

Law means any statute, regulation, order, rule, subordinate legislation or other document enforceable under any statute, regulation, rule or subordinate legislation and includes a modification or re-enactment of it.

Order means the purchase order document issued by the Customer to and accepted by Schneider Electric for the purchase of Products, Services, Software and Projects for a fee, in accordance with Article 1.3 of these Terms and Conditions.

Party means either Schneider Electric or the Customer.

Patch means an Update that fixes a vulnerability in Software.

Personal Data means any personal information or personal identifiable information related to an identified or identifiable natural person, as defined in the Applicable Data Privacy Law, which is collected, processed, managed and/or handled by any of the Parties in connection with this Agreement.

Price means the aggregate amount payable by the Customer to Schneider Electric in relation to the Products, Services, Software and Projects, as specified in the Agreement.

Privacy and Data Protection Policy means Schneider Electric's Privacy and Data Protection Policy located at https://www.se.com/ww/en/about-us/legal/data-privacy.jsp.

Product means any hardware, equipment, material, accessory or other commodity, to be sold, provided or supplied by Schneider Electric to the Customer under the Agreement, including Software.

Project means any Product or combination of Products and Services, with or without Software, that needs to be specifically adapted in order to meet the Specifications and/or which is installed by Schneider

Electric and/or for which any activation support services are sold with the Product, or any set of Products, with or without Software, requiring a specific study in order to ensure consistency.
Project Deliverable means the Products, Services, Software and/or any other deliverable required to be developed or integrated by Schneider Electric pursuant to a particular Project in accordance with agreed Specifications.
Quotation means the written proposal or quotation that contains, amongst other things, the Price and list of Products, Services, Software and Projects, and description of the scope of work, offered and to be supplied by Schneider Electric to the Customer.
Recipient means the Party or its Affiliate that receives Confidential Information from the Discloser.
Schneider Electric means the Schneider Electric entity which is registered in Country, that has issued a Quotation and is a Party to the Agreement supplying Products, Services, Software and Projects to the Customer for a fee.
Schneider Electric's Code of Conduct means the code of conduct adopted by Schneider Electric, as may be updated from time to time or be called by other names, published on the Schneider Electric website and accessible using the following link: https://www.se.com/ww/en/download/document/SchneiderElectric_TrustCharter/.
Schneider Electric's Reporting Hotline means the Schneider Electric global helpline and professional alert system, currently named Trust Line, as may be updated from time to time or be called by other names, any Schneider Electric employee or the Customer, its employees or any of its partners, including their employees, may use in order to ask questions and/or raise concerns should it/they have any concern about ethics, compliance or Schneider Electric's Code of Conduct and related policies, at Schneider Electric. The Trust Line is accessible using the following link: https://www.se.com/ww/en/about-us/sustainability/responsibility-ethics/trustline/.
Security Program has the meaning as set out in Article 13.2(a) of these Terms and Conditions.
Service means any service that Schneider Electric agrees to perform at a certain Price for the Customer under the Agreement.
Site means the agreed location or site where the Products are to be delivered and/or installed, where the Services are to be performed or where the Project is to be implemented as specified in the Agreement.
Software means any computer software program, in object code form including firmware and custom software, and instructions manuals, specifications and related documentation in written or electronic form, but excluding third party software, their related instructions manuals and documentation, for which Schneider Electric grants Customer a license under an Agreement.
Software Documentation means the printed material, instruction manuals, specification and related documentation supplied together with the Software.
Specifications means the drawings, technical specifications and/or plans provided by the Customer in the frame of a Project as specified in the Agreement, or as otherwise agreed by the Parties in accordance with Article 24 of the Addendum for the Supply of Projects.
Terms and Conditions means these terms and conditions of sale.
Third Party Products mean products and software supplied by a third-party supplier, licensed to be sold by Schneider Electric to any customer. If Third Party Products are supplied by Schneider Electric under this Agreement, notwithstanding anything to the contrary, such supply is made on a "pass-through" basis only and is subject to the terms and conditions of the third-party supplier, including but not limited to warranties, licenses, indemnities, limitation of liability, prices and changes thereto. Third Party Products quoted to the Customer are subject to price changes imposed by third party suppliers between the date of Agreement encompassing such Third Party Products and the date of Schneider Electric's invoice related to that Third Party Product.
Timetable means the document setting out the agreed dates at which the Products, Services, Software and Projects are to be supplied, as specified in the Agreement, or as otherwise agreed in writing between the Parties in accordance with Article 25 of the Addendum for the Supply of Projects.
Time and Material means Services supplied in accordance with the Agreement where (i) all labour time utilized and (ii) expenses incurred are payable by the Customer at the Prices set out in Schneider Electric's schedule of rates and (iii) all products supplied are payable by the Customer in accordance with Schneider Electric's price list, unless indicated otherwise by Schneider Electric in writing.
Update means any software that contains a correction of errors in Software and/or minor enhancements or improvements for Software, but does not contain significant new features.
Use has the meaning as set out in Article 6.2 of these Terms and Conditions.
Variation has the meaning as set out in Article 26.1 of the Addendum for the Supply of Projects.
Warranty Period has the meaning as set out in Article 10.2 of these Terms and Conditions.

3 QUOTATION AND ORDERING

3.1 Any Quotation provided by Schneider Electric is subject to the Products, Services, Software and Projects being available at such time when the Customer places an Order.

3.2 Unless indicated otherwise by Schneider Electric in writing, all Prices referred to in any Quotation are based on the quantity of Products, Services, Software, Projects and delivery timetable described in the Quotation, which will only be valid for thirty (30) days from the date of the Quotation. In the event the Customer changes the time required for delivery or the volume or scope of Products, Services, Software and Projects required or places an Order more than thirty (30) days after the Quotation is submitted, Schneider Electric reserves the right to vary its Price or to reject the Order.

3.3 Unless otherwise indicated in an Order or Quotation in writing, an Order will not be considered binding on Schneider Electric or come into force until Schneider Electric has issued a written acknowledgement for the Order or has received from the Customer a cash deposit or a bank guarantee or other security acceptable to Schneider Electric for 10% of the Price as set out in the Order.

3.4 Schneider Electric reserves the right to make any changes to the Products at any time, in particular changes to the layout, shape, color, size or materials of the Products represented and described, including their specifications, in its catalogues and brochures.

4 DELIVERY, STORAGE, RISK AND TITLE

4.1 Schneider Electric agrees to supply the Products, Services, Software and Projects in accordance with the terms of the Agreement and in consideration of payment of the Price by the Customer.

4.2 Unless specified otherwise, it will be presumed that delivery of;
(a) Products manufactured in Country will occur Ex-Works (ICC Incoterms 2020) at the place of manufacture;
(b) Products which are manufactured outside Country will occur FCA (ICC Incoterms 2020) at a facility/warehouse of Schneider Electric's choosing;
(c) Software supplied via physical media will occur FCA (ICC Incoterms 2020) at a facility/warehouse of Schneider Electric's choosing;
(d) Software supplied electronically will occur when Schneider Electric has made available the Software through any carriage service or network
(hereinafter the "**Delivery Point**").

4.3 Schneider Electric will deliver the Products to the Delivery Point, in accordance with the provisions of the ICC Incoterms 2020 in force on the date of the order. Risk of any loss or damage to the Products passes to the Customer upon delivery to the Customer at the Delivery Point.

4.4 Title in the Products (excluding Software) does not pass to the Customer until the Customer has made payment in full for the Products and, further, until the Customer has made payment in full of all monies owing by the Customer to Schneider Electric (whether in respect of monies payable under a specific contract or on any other account whatsoever). Whilst the Customer has not paid for the Products supplied in full at any time, the Customer agrees that property and title in the Products will not pass to the Customer and Schneider Electric retains the legal and equitable title in those Products supplied and not yet sold. Title to Software shall remain at all times with Schneider Electric.

4.5 If the Products are transformed or incorporated into other goods, Schneider Electric shall have a lien on the transformed Products or the goods in which they have been incorporated until Schneider Electric's receipt of the full payment of the Price. The Customer undertakes to confirm the existence of this retention of title to third parties to whom it may sell the Products in their original condition or incorporated in other goods.

4.6 Should Products be returned, under this Article 4, any down payment received by Schneider Electric will vest in Schneider Electric, without prejudice to any damages which Schneider Electric may claim.

4.7 Schneider Electric's rights contained in this Article 4 will survive expiry or termination of the Agreement however arising.

4.8 The Prices set out in the Quotation include ordinary packaging in accordance with Schneider Electric's standard practice. If the Customer wishes to use a different type of packaging from the packaging normally used by Schneider Electric, an extra packaging fee will be charged. Schneider Electric does not take back packaging, in any circumstances whatsoever.

4.9 If Schneider Electric must store any of Customer's materials and/or equipment and/or the Products under an Agreement, Schneider Electric shall be entitled to charge Customer a fee for handling and warehousing such materials and/or equipment and/or the Products, until the Customer takes possession thereof.

5 PROVISION OF SERVICES

5.1 Schneider Electric will provide suitably qualified, experienced and competent personnel to carry out the Services and related tasks in accordance with these Terms and Conditions and any Specifications in a professional manner with due skill and care.

5.2 Schneider Electric will follow all reasonable directions provided by the Customer when delivering the Services which are necessary and incidental to the performance of the Services under this Agreement.

5.3 Schneider Electric will ensure the Services are provided in accordance with all applicable laws and regulations and general industry practice.

5.4 If an Agreement indicates that Schneider Electric is to perform Services at the Site, then:
(a) The Customer will at its cost prepare the Site and provide Schneider Electric with reasonable access to the Site and other associated necessary facilities to allow Schneider Electric to perform its obligations under this Agreement;

(b) The Customer will also ensure that Schneider Electric's representatives attending the Site receive (where appropriate) all necessary safety site induction and personal protection equipment;
(c) At the Customer's cost, in a timely manner and so as to avoid any delay to Schneider Electric, provide all information, approvals, permits, authorizations, licenses, customs clearances, instructions, materials, civil works, reports, drawings, geotechnical and survey information, access and other things which may be required in relation to the performance of Schneider Electric's obligations and which are not expressly stated to be Schneider Electric's responsibility;
(d) The Customer shall provide to Schneider Electric any approval or comment with respect to drawings submitted by Schneider Electric to the Customer within five (5) days from the date of the submission by Schneider Electric of such drawings unless some other time is provided for in the Agreement;
(e) If Schneider Electric considers the information, documents and other particulars made available to Schneider Electric by the Customer are not sufficient to enable Schneider Electric to provide the Services in accordance with the Agreement and the provision of which is not reasonably to be considered within the responsibility of Schneider Electric under the Agreement, Schneider Electric may advise the Customer who shall then provide such further assistance, information or other particulars as necessary in the circumstances or as requested by Schneider Electric as the case may be.

5.5 If the Customer is ordering Energy Consulting Services, the following additional conditions will apply:
(a) The Customer shall make all necessary information regarding electrical utilities ("Utility Information") available to Schneider Electric within fourteen (14) days of the request. Schneider Electric reserves the right to alter its Price if there is a material change between the information which it has based its Price on and the information provided by the Customer pursuant to this Article;
(b) The Customer acknowledges that Schneider Electric is acting as its agent to analyze and interpret the Utility Information that it provides for the purposes of providing the Energy Consulting Services;
(c) The Customer warrants that in providing such Utility Information it is not breaching the terms of any contract it has with the Utility Provider or any other third party for the Energy Consulting Services;
(d) The Customer warrants that it is the owner or lessee of the premises the subject of the Utility Information.

5.6 If Schneider Electric is providing Services which are cloud-based and hosted by Schneider Electric, then the following terms and conditions will apply in addition to any terms and conditions of use which the Customer may be required to agree to when accessing such cloud-based Services:
(a) Any Personal Data will be collected and used in accordance with the terms of Schneider Electric's Privacy and Data Protection Policy and the terms set out in Article 20.1. By accessing the Services, the Customer signifies its consent to the collection and use of the Personal Data in accordance with Schneider Electric's Privacy and Data Protection Policy including receiving marketing communications and agreeing to the Personal Data being used in accordance with Schneider Electric's Privacy and Data Protection Policy;
(b) The Customer represents and warrants that if any data provided by it includes other parties' Personal Data that they have obtained all the necessary consents to disclose such Personal Data to Schneider Electric in accordance with these Terms and Conditions and the Applicable Data Privacy Law.

6 SOFTWARE LICENCE

6.1 If Schneider Electric has agreed to provide Software, the terms and conditions of the Software license is set forth in Schneider Electric's end-user license agreement ("EULA") applicable to the particular Software at the time of delivery shall apply and prevail over any contradictory terms contained in the Agreement. In the absence of such EULA, the Software license terms and contained in this Article 6 shall govern the licensing of the Software.

6.2 All modifications, enhancements, developments, additions or interfaces with other computer programs made by Schneider Electric, alone or jointly with Customer, in the course of the performance of an Agreement shall be deemed owned by Schneider Electric and included in Schneider Electric's Software and shall be subject to all rights and limitations set forth in Schneider Electric's standard license agreement for such Software applicable at the time of delivery or, by default in the absence of a separate end-user license agreement, the Software license terms and contained in this Article 6.

6.3 For all other Software which is not supplied with a EULA, Schneider Electric grants the Customer a non-exclusive, non-transferable license to "Use", in object code form, the version or release of the Schneider Software described in the Agreement. For the purposes of this Article, "Use" means to install, store, load, execute and display one copy of the Software on one device at a time for the Customer's internal business purposes.

6.4 The Customer's Use of such Software is subject to the following restrictions:
(a) The Customer may not exceed the number of users, or client access licenses that are paid for by the Customer and noted on the Quote or Agreement;
(b) The Customer may not copy the Software onto any other media (other than making one (1) backup copy of the Software and a reasonable limited number of the user manuals related to the Software);
(c) The Customer may only use the Software for its internal business processes and shall not use it for the benefit of any third-party or for any other business purpose;
(d) The Customer acknowledges that such Software is confidential and shall not make it available to any third-parties and shall only disclose to those of its employees that need to use it for the purposes of its internal business who have agreed to comply with the terms of this Article 6;
(e) The Customer may not decompile, disassemble, reverse assemble, reverse engineer, translate or emulate the Software;
(f) Unless otherwise agreed, the Customer may transfer the Software from one computer to another (which may be operated by a third party) provided it is not used on more than one computer at a time. The Customer shall not sublicense, assign or transfer the Software without the prior written consent of Schneider Electric;
(g) Unless specifically agreed otherwise in writing by Schneider Electric, the license of the Software does not include any right to any updated versions or upgrades of the Software;
(h) Unless specifically agreed otherwise in writing by Schneider Electric, the license of the Software does not include any support services or associated services.
(i) Schneider Electric reserves all rights to correct the Software.
(j) Schneider Electric's Software licensed to Customer may contain components that are owned by third parties. The third-party owner shall retain exclusive right to its firmware and software. Use of such third-party components may be subject to restrictions contained in the third party's end-user license agreement in addition to the conditions set forth herein. Schneider Electric shall make available to Customer on request the third party's end-user license agreement applicable. Copyright and other proprietary rights notices of Schneider Electric and third-parties are contained in the Software and Customer must not modify, delete or obfuscate such notices;
(k) Customer shall maintain complete and accurate records documenting the location and use of the licensed Software in Customer's possession. No later than thirty (30) days of receipt of Schneider Electric's written request, Customer must provide Schneider Electric with a signed certification of compliance with the Software licensing conditions. Schneider Electric has the right to conduct an audit of Customer's use of the Software. Any such audit shall be conducted during regular business hours at Customer's facilities. If an audit reveals any underpayment of license fees, Customer shall be invoiced for additional license fees consistent with Schneider Electric's then current price list for the Software, without any discount being applicable in that instance. Customer shall then immediately pay the invoiced amount together with interest at a rate of one and one-half percent (1.5%) per month or partial month during which such amount was due and unpaid. The assessment of additional license fees is without prejudice to Schneider Electric's other remedies under this Agreement.

6.5 For non-Schneider Electric Software, the third-party supplier's license terms that may accompany that Software will solely govern its Use.

7 ACCEPTANCE

7.1 For Products, the Customer will be deemed to have accepted the Products on the date that the Products are delivered to the Customer at the Delivery Point, without prejudice to the warranty provisions hereunder.

7.2 For Services and Software, if the Customer fails to notify Schneider Electric of any material non-conformities with the Specifications within three (3) calendar days from delivery date, or is using or has used those Software or Services in a production environment or for the regular conduct of its business, the Software or Services shall be deemed accepted, without prejudice to the warranty provisions hereunder.

8 DEADLINES & LIQUIDATED DAMAGES

8.1 Delivery times or timetables are provided as an indication, unless binding delivery times or timetables are expressly accepted by Schneider Electric.

8.2 Delivery commences on the latest of the following: (i) unconditional acceptance of the Order by Schneider Electric; (ii) receipt by Schneider Electric of certain information to be provided by the Customer, where the commencement of the fulfilment of the Order is conditional upon the provision of that information; and/or (iii) receipt of the down payment.

8.3 Schneider Electric will be released from any liability for any binding deadlines, by operation of law, if Force Majeure or other events affect Schneider Electric, its subcontractors and/or its suppliers and disrupt the organisation or operations of the business such as, for example, lockout, strike, epidemic, pandemic, war, embargo, fire, flooding, machinery accident, rejection of parts during the manufacturing process, interruption or delay in the transportation or procurement of raw materials, power or components, or any other event beyond the reasonable control of Schneider Electric, its subcontractors and/or its suppliers.

8.4 In the event of a delay in delivery falling under Schneider Electric's responsibility, where a firm deadline has been accepted and in the absence of provisions to the contrary, Schneider Electric shall only be liable to pay liquidated damages, the calculation of which commences after the end of a one-week grace period and in full discharge, of zero point five percent (0.5%) per full calendar week of the price for the

Products/Services/Software delivered late, capped at five percent (5%) of the price for the Products/Services/Software delivered late, in all cases. The Parties agree that liquidated damages are genuine and reasonable pre-estimates of and adequate compensation for loss or damage the Customer would suffer for any delay, and as such any liquidated damages payable by Schneider Electric to the Customer for any such delay shall be the sole and exclusive remedy available to the Customer for any such delay.

8.5 The Customer may not set off any liquidated damages owed by Schneider Electric against any amounts owed by the Customer, on any basis whatsoever, without Schneider Electric's prior written consent.

8.6 If the Customer delays, prevents or impedes performance by Schneider Electric, Schneider Electric shall be entitled to an extension of time and to recover any additional costs incurred due to such delay, prevention or impediment including additional storage costs, de-mobilization/re-mobilization costs, travel and transportation costs.

8.7 The Customer acknowledges that the Products or part thereof are produced in, or otherwise sourced from, or will be installed in areas already affected by, or that may be affected in the future by, the prevailing COVID-19 epidemics/pandemic and that the situation may trigger stoppage, hindrance or delays in Schneider Electric's (or its subcontractors) capacity to produce, deliver, install or service the Products, irrespective of whether such stoppage, hindrance or delays are due to measures imposed by authorities or deliberately implemented by Schneider Electric (or its subcontractors) as preventive or curative measures to avoid harmful contamination exposure of Schneider Electric's (or its subcontractors') employees. The Customer therefore recognizes that such circumstances shall be considered as a cause for excusable delay not exposing Schneider Electric to contractual sanctions including without limitation, delay penalties, liquidated or other damages or termination for default.

9 WORK ON CUSTOMER'S SITE

9.1 Unless otherwise specifically agreed in the Agreement, Schneider Electric's personnel shall not perform Services on equipment in operation on Customer's Site.

9.2 If Schneider Electric is to perform Services on Customer's Site, Customer shall be responsible for obtaining all applicable permits, visas or other governmental approvals required. Customer shall be responsible for ensuring the safety of work conditions at its site and the safety of Schneider Electric's personnel.

9.3 Schneider Electric shall ensure that its employees, subcontractors and agents shall adhere to and comply with Customer's health, safety, security and environmental ("HSSE") policies and Country environmental laws and regulations while at the work site, to the extent these policies have been made available to Schneider Electric.

9.4 Customer agrees to cooperate with Schneider Electric in the performance of the Services and/or Project Deliverables described in the Agreement, including, without limitation, providing Schneider Electric with reasonable facilities, timely access to data, information and personnel of Customer and a safe working environment. Customer acknowledges and agrees that Schneider Electric's performance is dependent upon the timely and effective satisfaction of Customer's responsibilities hereunder and timely decisions and approvals of Customer where required.

9.5 Customer acknowledges and agrees that Schneider Electric may, in performing its obligations pursuant to the Agreement, be dependent upon or use data, material, and other information furnished by Customer without any independent investigation or verification thereof, and that Schneider Electric shall be entitled to rely upon the accuracy and completeness of such information in performing its obligations.

10 WARRANTIES

10.1 Schneider Electric warrants that:

(a) Products manufactured by Schneider Electric under its own brands and supplied by Schneider Electric will be free from defects in design, materials and workmanship arising under normal use and in accordance with any instructions issued by Schneider Electric and will operate in accordance with their published specifications for the duration of the Warranty Period;

(b) Services will be performed in a professional manner with due skill and care, using appropriately skilled and qualified personnel and in accordance with all applicable laws and regulations;

(c) Software licensed under Article 6.2, will during the Warranty Period, operate in accordance with the Software Documentation and the media upon which such Software is supplied will be free form defects;

10.2 Warranty Period means:

(a) For Products (excluding Software) proven to be defective, the Warranty Periods are set out in Schneider Electric's website at https://www.se.com/sg/en/. If the website referred to above does not state the Product's Warranty Period, the default will be the earlier of:

(i) eighteen (18) months from the delivery date, as per Article 4;

(ii) the date that is twelve (12) months from commercial or operational use of the Products by the Customer.

However, if the date of delivery, as referred to above, cannot be ascertained, the Warranty Period will start on the date of the manufacturing of the Product, as marked on the relevant Product, and shall last for twenty-four (24) months.

(b) For Services, a period of ninety (90) days from the date of delivery of the Services;

(c) For Software not supplied under the terms of a EULA and media that such Software is supplied on, a period of ninety (90) days from the date of delivery of Software.

10.3 If the Customer makes a claim during the Warranty Period it will be handled as follows:

(a) In the case of Products and Project Deliverables (where relevant), where there is a defect in such Products, Schneider Electric will replace or repair (at its discretion and cost). Schneider Electric will not be responsible for the cost of retrieving, removing, reinstalling, retesting or transporting the Products or Project Deliverables to and from the location where the Products are located;

(b) In the case of Services, where there is a defect in the Services, Schneider Electric will re-perform the Services at a mutually agreed time. For the avoidance of doubt, if Services were delivered on a Time and Materials basis, Schneider Electric will not provide any additional warranties for any deliverables provided pursuant to those Services other than the standard warranties referred to in Article 10.1;

(c) In the case of a Project, if it is not practical to return the defective Product to Schneider Electric in accordance with Article 10.3(a), Schneider Electric will bear the cost of correcting the defects, by either attending to the defect at the Site where the Project is located or by remote means, as determined at the sole discretion of Schneider Electric and at a mutually agreed time;

(d) All warranties for any Product repaired or replaced or Service resupplied during the Warranty Period will expire at the same time as the original Warranty Period of such Product and/or Service that were replaced or resupplied.

10.4 The Customer agrees that, unless otherwise agreed in writing by Schneider Electric, any warranty on any Third Party Product is limited to the warranty given by the manufacturer of that Third Party Product and, to the maximum extent permitted by law, Schneider Electric gives no additional warranties in relation to any Third Party Products or Software.

10.5 Schneider Electric will not be responsible for any defect in Products, Software or Services arising out of or in connection to:

(a) Misuse, abuse, neglect, errors or any other act or omission of or by the Customer or third party not contracted by Schneider Electric;

(b) Repair or alteration (improper or otherwise) by the Customer or any person other than Schneider Electric;

(c) Installation by the Customer or any person other than Schneider Electric not in accordance with Schneider instructions or in the absence of such instructions, in accordance with generally accepted practices for maintenance of such Products; or

(d) Power failure, power surge, lightning, flood, fire, accidental breakage or other events outside of Schneider Electric's reasonable control;

(e) Maintenance, installation or energization not in accordance with Schneider Electric's instructions or in the absence of such instructions, in accordance with generally accepted practices for maintenance of such Products;

(f) Improper environmental conditions where the Products, Software or Services are used or installed; or

(g) Improper storage conditions;

(h) Storage for more than twelve (12) months, or any other period of time as recommend in the Specifications, prior to being put into operation;

(i) Any consumables;

(j) Following a direction or instruction from the Customer where Schneider Electric has recommended to the Customer against following such a direction or instruction.

10.6 Schneider Electric cannot warrant that the Product, Software or Services will be free of, or protected against, any vulnerabilities or Cyber Threats.

10.6 Schneider Electric cannot warrant that the Product, Software or Services will be free of, or protected against, any vulnerabilities or Cyber Threats.

10.7 The Products do not contain backup solutions of Customer's data and Schneider Electric's warranty on the Product, Software or Services does not include the restoration of Customer's data.

10.8 Schneider Electric does not warrant, in any way, that the Product, Software or Services will meet any targets and/or performance determined by the Customer itself unless those targets and/or performance were expressly accepted in writing by Schneider Electric.

10.9 THESE WARRANTIES, CONDITIONS, EXCLUSIONS ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS OR IMPLIED WARRANTIES, CONDITIONS, REPRESENTATIONS AND GUARANTEES (EXCEPT WARRANTIES OF TITLE), INCLUDING BUT NOT LIMITED, TO IMPLIED WARRANTIES OF MERCHANTABILITY, MERCHANTABLE QUALITY AND FITNESS FOR A PARTICULAR PURPOSE. SCHNEIDER ELECTRIC MAKES NO WARRANTY THAT THE PRODUCTS, SOFTWARE OR SERVICES WILL MEET CUSTOMER'S REQUIREMENTS OR THAT CUSTOMER'S USE OF THE PRODUCTS, SOFTWARE OR SERVICES WILL BE UNINTERRUPTED, SECURE, OR ERROR-FREE. SCHNEIDER ELECTRIC DOES NOT REPRESENT, WARRANT, OR GUARANTEE THAT THE PRODUCTS, SOFTWARE OR SERVICES WILL BE SECURE OR FREE FROM VULNERABILITIES, CORRUPTION, ATTACK, VIRUSES, INTERFERENCE, HACKING, OR OTHER SECURITY INTRUSIONS OR CYBER THREATS AND SCHNEIDER ELECTRIC DISCLAIMS ANY LIABILITY IN RELATION THERETO. EXCEPT AS MAY BE PROVIDED IN WRITING BY SCHNEIDER ELECTRIC, SCHNEIDER ELECTRIC SHALL NOT BE SUBJECT TO ANY OTHER OBLIGATIONS OR LIABILITIES WHATSOEVER THAN AS STATED ABOVE WITH REGARD TO PRODUCTS, SOFTWARE AND SERVICES SOLD BY SCHNEIDER

ELECTRIC TO CUSTOMER, BY USING THE PRODUCTS, SOFTWARE OR SERVICES, CUSTOMER UNDERSTANDS THESE LIMITATIONS AND AGREES THAT CUSTOMER ACCESSES AND USES THE PRODUCTS, SOFTWARE AND SERVICES AT CUSTOMER'S OWN DISCRETION AND RISK AND THAT CUSTOMER WILL BE SOLELY RESPONSIBLE FOR ANY DAMAGES TO CUSTOMER'S SYSTEMS OR ASSETS OR LOSSES THAT RESULT FROM SUCH ACCESS OR USE.

10.10 Certain legislation may imply warranties or conditions or impose guarantees or obligations upon Schneider Electric which cannot be excluded, restricted or modified or cannot be excluded, restricted or modified except to a limited extent. Any Agreement and these Terms and Conditions including this Article 10.10 must be read subject to these statutory provisions. If these statutory provisions apply, to the extent to which Schneider Electric is entitled to do so, Schneider Electric limits its liability in respect of any claim under the provisions to:
(a) In the case of Products, at Schneider Electric's option:
(i) The replacement of Products or the supply of equivalent Products;
(ii) The repair of the Products;
(iii) The payment of the cost of replacing the Products or of acquiring equivalent Products; or
(iv) The payment of the cost of having the Products repaired; and
(b) In the case of Services, at Schneider Electric's option:
(i) The supply of the Services again; or
(ii) The payment of the cost of having the Services supplied again.

10.11 Title to any replaced Product and/or the one or more replaced components of that Product will revert to Schneider Electric and they must be returned to Schneider Electric on request.

10.12 The warranty does not cover, in any circumstances whatsoever, any travel expenses, the costs incurred to identify the defective part on site or the disassembly and assembly costs for the Product in its own environment.

10.13 No repair or replacement of a Product, Software or Services or changes thereto during the Warranty Period may cause the Warranty Period for that respective Product, Software or Services to be extended, with the exception of a defect of a Product corrected less than three (3) months before the expiry of the Warranty Period. In such case, the warranty covering the repaired, changed or replaced Product will be extended for up to three (3) months, as of the date of the delivery of the repaired, changed or replaced Product to the Customer.

10.14 Customer's Obligations
The claims for defects shall be subject to the Customer's compliance with its duty and obligation to inspect and to report defects as soon as the defective operation of the Product manifests itself. In order to make a valid claim under this warranty, the Customer must notify the defects it alleges to exist in the Products to Schneider Electric in writing as soon as the operating defaults appear, and provide to Schneider Electric all supporting documents confirming their existence, without undue delay. The Customer shall give Schneider Electric such assistance as Schneider Electric requires to help Schneider Electric identify those defects for Schneider Electric to correct. Equally, the Customer must not carry out the repairs directly or through a third party, without Schneider Electric's express consent.

10.15 All warranties provided herein are personal to, and intended solely for the benefit of, Customer and do not extend to any third party, except in the case of transfer of the Software license(s) in accordance with Article 14 or Article 23.4.

11 PRICE AND PAYMENT

11.1 Unless otherwise quoted by Schneider Electric in its Quotation to the Customer, the Price and prices for Products, Software and/or Services are those set out in the Schneider Electric's price list in force on the date when the Order is placed by the Customer.

11.2 Schneider Electric shall be entitled to revise the Price applicable to the Agreement as follows, by one (1) weeks' written notice to the Customer in the event of:
(a) any fluctuation in the currency exchange rates applicable at the date of the Agreement;
(b) any increases in the cost of raw materials, transport or labour;
(c) any changes in legislation or technical standards.
The new or revised Price shall take effect upon expiration of the one (1) week notice period or, if a later date is specified in such notice, on that date so specified.

11.3 Unless specifically set out in the Agreement, Schneider Electric will issue all invoices for the Products, Software, Services and Projects as follows:
(a) For Services provided on a Time and Materials basis, Schneider Electric will invoice monthly in arrears;
(b) For Services provided at a Fixed Price, Schneider Electric will invoice in advance;
(c) For all Products and Projects, Schneider Electric will invoice in accordance with agreed payment milestones set out in the Agreement that may include down-payment. If no payment milestones are set out in the Agreement, invoicing will be as per payment milestones set out in the Quotation, and if nothing is stated in the Quotation, invoicing will be made monthly in arrears in accordance with the work completed by Schneider Electric.

11.4 Price is expressed, and the Customer may buy and pay, in Singapore Dollars or such other currency as the Parties may agree. If any expense, charge or other amount to be paid to Schneider Electric by Customer under this Agreement were incurred by Schneider Electric in a currency other than the currency agreed under the Agreement, the amount to be paid shall be calculated using the official foreign currency exchange rate published by the Country's central bank on the date of payment. Where the price of Products quoted is stated to be based in whole or in part on a conversion between two currencies, Customer shall indemnify Schneider Electric against any cost and expense, and loss incurred by Schneider Electric which results from any variation in the rates of foreign currency exchange between the date of the quotation of the Products and the date upon which payment becomes due to Schneider Electric.

11.5 Unless otherwise stated in the Quotation or agreed by Schneider Electric in writing, Customer must pay the amount shown on any invoice rendered by Schneider Electric within twenty-five (25) days from the date of issue of the invoice.

11.6 If for any reason the Customer pays late or defaults in its payment obligations, the Customer shall be liable to pay a late payment penalty at the interest rate of one percent (1%) per month, applied to the outstanding amounts, calculated from the date of payment default to the actual date of payment received by Schneider Electric. In addition, Schneider Electric reserves the right to claim additional compensation from the Customer, and the Customer shall be responsible and shall be liable to pay for any debt recovery/collection and any legal cost actually incurred by Schneider Electric.

11.7 If the Customer fails to pay any instalment on time, all amounts owed by the defaulting Customer will become immediately due and payable, including any amount for which a draft was issued or a bill of exchange received for all or part of that unpaid amount. Equally, Schneider Electric reserves the right to suspend the performance of all its obligations under the Agreement without any liability whatsoever until the Customer has paid all outstanding amounts in full.

11.8 The above provisions apply, where applicable, without prejudice to any damages that Schneider Electric may be entitled to claim.

12 TAXES

12.1 Unless otherwise stated, all amounts referred to under or in connection with the Agreement are exclusive of any Indirect Tax or withholding tax. In relation to any GST, VAT or SST payable by the Customer for a taxable supply (under applicable law), the Customer shall pay such GST, VAT or SST so invoiced by Schneider Electric in accordance with the Country's applicable tax law.

12.2 In the event any withholding tax imposed by any local tax authority is or becomes applicable, the Customer shall not withhold any such withholding tax until the Customer has consulted with Schneider Electric, and Schneider Electric has agreed in writing with regard to the handling of such withholding tax. If the Customer withholds any amount corresponding to such withholding tax without Schneider Electric's consent, and proceeds to only pay the remaining balance of the amount so invoiced, the Customer shall remain liable to pay to Schneider Electric that corresponding amount so withheld as a debt due to Schneider Electric immediately upon written demand.

13 CUSTOMER'S GENERAL OBLIGATIONS

13.1 The Customer must provide, in a timely manner, any approval or instructions, any equipment, material or hardware and any information and document that do not expressly fall within the remit of Schneider Electric under the Agreement, along with access to the Site. Before the conclusion of the Agreement, the Customer shall provide Schneider Electric with such information and documentation as is required for Schneider Electric's delivery of Products, Services, Software and/or the performance of Project set out in the Agreement. Accordingly, the Customer shall notify to Schneider Electric any and all special requirements for Schneider Electric's delivery of Products, Services or Software and/or the performance of the Project arising from the Site and keep Schneider Electric informed of any changes to those conditions. Schneider Electric may decline to deliver Products, Services or Software and/or perform the Project set out in the Agreement at any time and at the Customer's own expense and risk, if Schneider Electric considers and concludes that any of the conditions that the Customer needs to or is obligated to act on in order for Schneider Electric to effect the delivery of Products, Services or Software and/or performance of the Project has not been met or satisfied and, in particular but not limited to, if the said conditions affect the safety of Schneider Electric's personnel.

13.2 Customer's Cybersecurity Obligations
(a) Customer is solely responsible for the implementation and maintenance of a comprehensive security program ("**Security Program**") that contains reasonable and appropriate security measures and safeguards as determined by Customer to be necessary or required for Customer's systems or in Customer's industry to protect against Cyber Threats, its own computer network, systems, machines, and data (collectively, "**Customer's Systems**"), including those Customer's Systems on which it runs the Products or which it uses with such Customer's Systems.
(b) Customer is advised to have qualified and experienced personnel with appropriate expertise in cybersecurity to maintain Customer's Security Program and have such personnel regularly monitor cyber intelligence feeds and security advisories applicable to Customer's System or Customer's industry.
(c) Without limiting the foregoing, Customer shall at a minimum:
(i) Promptly update or patch the Customer's Systems or implement other appropriate measures based on any reported Cyber Threats and in compliance with any security notifications or bulletins, whether publicly disclosed on Schneider Electric's security notification webpage at

https://www.se.com/ww/en/work/support/cybersecurity/security-notifications.jsp or otherwise provided to Customer;

(ii) Regularly monitor its Systems for possible Cyber Threats;

(iii) Regularly conduct vulnerability scanning, penetration testing, intrusion scanning, and other Cybersecurity testing on the Customer's Systems; and

(iv) Meet the recommendations of Schneider Electric's Recommended Cybersecurity Best Practices, available at https://www.se.com/us/en/download/document/7EN52-0390/, and then-current industry standards.

(d) Schneider Electric may release Updates and Patches for its Software from time to time. Customer shall promptly install any Update and Patch for such Software as soon as they are available in accordance with Schneider Electric's installation instructions, and use the latest version of Software, where applicable.

(e) Customer understands that failing to promptly and properly install Updates or Patches for the Products, Software, or Services may result in the Products, Software, or Services or Customer's Systems becoming vulnerable to certain Cyber Threats or result in impaired functionality, and Schneider Electric shall not be liable or responsible for any losses or damages that may result therefrom.

13.3 **Identification of Vulnerability or Cyber Threat**

(a) If Customer identifies or otherwise becomes aware of any vulnerabilities or Cyber Threats relating to the Products, Software, or Services for which Schneider Electric has not released a Patch, Customer shall promptly notify Schneider Electric of such vulnerability or other Cyber Threat(s) via Schneider Electric's Report a Vulnerability page (https://www.se.com/ww/en/work/support/cybersecurity/report-a-vulnerability.jsp) and further provide Schneider Electric with any reasonably requested information relating to such vulnerability or other Cyber Threat (collectively, "**Feedback**").

(b Schneider Electric shall have a non-exclusive, perpetual and irrevocable right to use, display, reproduce, modify, and distribute the Feedback (including any Confidential Information or Intellectual Property Right contained therein) in whole or part, in order to analyze such Feedback and do its reasonable efforts to modify its Products, Software or Services, as Schneider Electric will determine to be needed and to the extent reasonably feasible, to mitigate the impact of the reported vulnerability or Cyber Threat in the concerned Products, Software or Services, in any manner without restrictions, and without any obligation of attribution or compensation to Customer; provided, however, Schneider Electric shall not publicly disclose Customer's name in connection with the Feedback or its use by Schneider Electric (unless Customer consents otherwise). By submitting Feedback, Customer represents and warrants to Schneider Electric that Customer has all necessary rights in and to such Feedback and all information it contains, including to grant the rights to Schneider Electric described herein, and that such Feedback does not infringe any proprietary or other rights of third parties or contain any unlawful information.

14 INTELLECTUAL PROPERTY

14.1 Each Party will retain all Intellectual Property Rights in their respective Background IP.

14.2 Subject to Schneider Electric's receipt of payment in full for the Products, Services, Software and Project, Schneider Electric will grant to Customer a royalty-free, non-exclusive, non-transferable, irrevocable and perpetual license to use Schneider Electric's Background IP necessary for Customer to enjoy the benefit of the Products, Services, Software and Project for the purposes of or in connection with Customer's business.

14.3 The Customer acknowledges that Schneider Electric retains ownership of Schneider Electric's Background IP. Schneider Electric acknowledges that the Customer retains ownership of the Intellectual Property Rights of any Customer Background IP. To enable each Party to perform their obligations under each Agreement and for the Customer to enjoy the benefit of the Products, Services, Software and Projects for the purpose of or in connection with its business, each Party grants to the other Party a non-exclusive, non-transferable, royalty-free, irrevocable and perpetual license to use its Intellectual Property Rights for that purpose.

14.4 All Foreground IP shall be owned by Schneider Electric, and as such, any Foreground IP that Schneider Electric develops during the course of the performance its obligations under the Agreement shall belong to and be owned by Schneider Electric, and as such all such Intellectual Property Rights in the Foreground IP shall be vested in Schneider Electric and at no time nor under any circumstances be transferred to the Customer.

14.5 In the event that any claim is made against the Customer for infringement of any person's Intellectual Property Rights arising of the Customer's use of Products supplied under the Agreement, Schneider Electric will, at its own expense, conduct any ensuing litigation and all negotiations for a settlement of the claim. Schneider Electric will bear the costs of any payment made in settlement, or as a result of an award in a judgment provided that:

(a) The Customer promptly notifies Schneider Electric in writing of any such claim being made or action threatened or brought against the Customer;

(b) The Customer grants Schneider Electric the right to assume sole authority to conduct the defense or settlement of such claim or any related negotiations;

(c) The Customer provides Schneider Electric with all reasonable information, cooperation and assistance.

14.6 Notwithstanding any other provision of the Agreement, Schneider Electric will not be liable in any case whatsoever where the claim is based on or is related to:

(a) Specifications that the Customer provided to Schneider Electric;

(b) Where the Customer has combined Products with non-Products, data or business processes whether with or without Schneider Electric's knowledge or written consent;

(c) Where the Customer has altered or modified the Products without Schneider Electric's written consent.

14.7 Schneider Electric's Software licensed to Customer may contain components that are owned by third parties. The third-party owner shall retain exclusive right to its firmware and software. Use of such third-party components shall be subject to restrictions contained in the third party's end-user license agreement (if any) in addition to the conditions set forth herein. Schneider Electric shall make available to Customer upon request the third party's end-user license agreement applicable. Copyright and other proprietary rights notices of Schneider Electric and third parties are contained in the Software and Customer shall not modify, delete or obfuscate such notices.

14.8 Customer may not without Schneider Electric's prior written express consent (i) copy, modify, sublicense, loan or transfer in any manner the Software licensed herein; (ii) create derivative works based on the Software licensed herein; (iii) subject the Software licensed herein to translating, decompiling, disassembling, reverse assembling, reverse engineering, emulating or performing any other operation on the Software, unless the operation is specifically authorized by law. Customer shall hold the Software licensed herein in strict confidence and will not allow any other third party, other than its employees with a need to use the Software and who have agreed to comply with the terms as set out in the Agreement in relation to Software (including any related EULA), to access or use the Software without Schneider Electric's prior written consent. Customer agrees to defend, indemnify and hold harmless Schneider Electric from all damages and third-party claims arising from unauthorized use or transfer of the Software.

14.9 Schneider Electric is not required to supply the design and/or manufacturing drawings for its Products, in any circumstances whatsoever, even if the Products are delivered with installation drawings. All of those drawings are the exclusive property of Schneider Electric.

14.10 Notwithstanding the foregoing restrictions but subject to all restrictions applicable to Third Party Products as set forth in Articles 14.2 and 14.4, Customer shall be entitled to make one (1) copy of the Software for backup or archival purposes and may make a limited reasonable number of copies of the instruction manuals and documentation related to the Software for purpose of their use by Customer in connection with the authorized use of the Software. All titles, trademarks and copyrights and restricted rights notices shall be reproduced in such copies.

14.11 In case Schneider Electric's Background IP and Foreground IP or any part thereof, is held by any court proceedings to constitute infringement and/or its use is enjoined, Schneider Electric shall, at its own expense and option either:

(a) procure for the Customer a royalty-free license to continue using such Software associated with the Products, Services and/or Projects; or

(b) replace same with substantially equal but non-infringing Product, Services and/or Software or modify it so it becomes non-infringing, provided that no such replacement or modification shall in any way amend or relieve Schneider Electric of its warranties and guarantees set forth in this Agreement.

In the event Schneider Electric is unable to do either of the foregoing, the allegedly infringing item shall be returned to Schneider Electric and Schneider Electric's maximum liability shall be to refund to Customer the amount paid for such item, less a reasonable depreciation for use and damage.

14.12 The Parties' agree that this Article 14 states the Parties' entire liability and sole remedy with respect to infringement or claims thereof related to or in connection to Intellectual Property Rights under this Agreement.

15 CONFIDENTIALITY

15.1 Each Party undertakes that it shall not at any time during this Agreement, and for a period of three (3) years after termination or expiry of this Agreement, without prior written consent, disclose to any person any Confidential Information concerning the business, affairs, customers, clients or suppliers of the other Party, except as permitted as follows:

(a) Each Party may disclose the other Party's Confidential Information to its employees, officers, representatives or advisors, and those of its Affiliates, on a strict need-to-know basis and for the purposes of carrying out the Party's obligations under this Agreement, to the express exclusion of any possible competitor of Schneider Electric. Each Party shall ensure that its employees, officers, representatives, or advisors to whom it discloses the other Party's Confidential Information comply with this condition;

(b) As may be required by law, court order or any governmental or regulatory body.

15.2 No Party shall use any other Party's Confidential Information for any other purpose than to fulfil its obligation under this Agreement.

15.3 Each Party reserves all rights in its Confidential Information. No rights or obligations in respect of a Party's Confidential Information other than those expressly stated in this Agreement are granted to the other

Party; or to be implied from this Agreement

15.4 Except as expressly stated in the Agreement, no Party makes any express or implied warranty or representation concerning its Confidential Information.

15.5 Other than as expressly permitted under this Agreement, on termination or expiry of this Agreement for whatever reason, each Party shall cease to use any Confidential Information of the other Party save that either Party will be permitted to retain one copy for the purposes of and for so long as required by any law or by judicial or administrative process or its legitimate internal compliance issues.

16 LIMITATION OF LIABILITY

16.1 The Agreement and these Terms and Conditions set out Schneider Electric's entire liability and are in lieu of all other warranties whether statutory, express or implied, including but not limited to implied warranties of merchantability and fitness for purpose.

16.2 Notwithstanding any other term of the Quotation or Agreement, whether express or implied, Schneider Electric's total liability under the Agreement arising out of or in connection with the Agreement, Quotation or these Terms and Conditions, whether in contract, tort (including negligence of any kind), strict liability, indemnity or otherwise arising out of Schneider Electric's performance or non-performance of the Agreement, will not exceed in the aggregate the Price, exclusive of tax, actually paid to Schneider Electric pursuant to the Agreement giving rise to such liability. This limitation shall continue to apply notwithstanding any fundamental breach, breach of a fundamental term, rescission, repudiation or termination for any reason or frustration, whether unintentional or by operation of law.

16.3 Notwithstanding any other term of the Agreement, Quotation or these Terms and Conditions, whether express or implied, to the maximum extent permitted by law, Schneider Electric, its Affiliates, or their officers, directors, employees or their subcontractors, shall not have any liability to the Customer (whether for breach of contract, tort (including but not limited to negligence or breach of statutory duty), misrepresentation, restitution or otherwise) including pursuant to any indemnities and/or conditions for any (a) loss of profits; (b) loss of bargain; (c) loss of contract opportunity or expectation; (d) loss of use; (e) loss of revenue; (f) loss of anticipated savings; (g) loss of tender and/or bid costs; (h) loss of re-tender and/or re-bid costs; (i) loss of or corruption of data or information; (j) loss of sales; (k) losses arising out of increased operating costs; (l) loss resulting from third party claims; (m) loss of reputation; (n) depletion of goodwill or similar losses; or (o) pure economic loss (in each case whether direct or indirect) or for any special, indirect, or consequential loss costs, damages, charges or expenses whatsoever and howsoever arising.

17 SUSPENSION AND TERMINATION

17.1 If the Customer fails to pay any sum or perform any of its obligations due under the Agreement by the agreed due date, Schneider Electric may by written notice, in addition to any other rights it may have, suspend and/or postpone supplying the Products, Services, Software and Projects without any liability whatsoever to the Customer for any, but not limited to, delay or damages incurred, until all overdue amounts are paid. The Customer will be liable to Schneider Electric for all costs and expenses, including but not limited to reasonable legal fees, handling, storage, insurance and labour costs, financial costs and the bank fees relating to the collection of overdue amounts and/or borne by Schneider Electric and its contractors and, all costs generated by the extended delivery time. If the performance of the Agreement is suspended for more than ninety (90) days for any reason whatsoever, Schneider Electric will be entitled to terminate the Agreement and receive all costs referred to above, without prejudice to any potential claim.

17.2 A Party may terminate the Agreement by providing immediate written notice to the other Party if any of the following events or circumstances occurs:

(a) The other Party goes into liquidation, has a receiver or receiver and manager appointed to it or any part of its assets, enters into a scheme of arrangement with creditors or suffers any other form of external administration (or the equivalent under the laws of another jurisdiction); or

(b) A Party fails to remedy any breach of an essential obligation under the Agreement within thirty (30) days after receipt of written notice from the other Party of details of the breach.

17.3 If Schneider Electric suspends the Agreement under Article 17.1 or terminates the Agreement under Article 17.2, the Customer must pay Schneider Electric all monies due (including an allowance for profit) under the Agreement which may include but shall not be limited to:

(a) Payment for the Products and Services provided or performed to the date of the suspension or termination;

(b) Products, equipment or materials wholly or partially procured by Schneider Electric for the performance of the Agreement;

(c) Costs of demobilization from Site.

For the avoidance of doubt, in the event of termination under this Article 17.2, for Products that are not off-the-shelf Products or Third Party Products that Schneider Electric sells or is licensed to sell, and which are specifically manufactured, customized or fabricated in accordance with the Customer's Specifications or requirements, the Customer shall be liable to pay Schneider Electric the full Price for such Products, whether such Products are in the production phase, completed but have not been delivered or delivered, that Schneider Electric will not be able to readily sell to any other third party in the open market.

18 DISPUTE RESOLUTION

18.1 The Parties will attempt in good faith to resolve all disputes, disagreements or claims between the Parties relating to the Agreement within thirty (30) days from the date of either Party's written notice given to the other. The preferred method of determination of unresolved disputes shall be by amicable discussion and resolution by the Parties' senior management level.

18.2 If the Parties cannot resolve the dispute themselves within thirty (30) days of the initial notice of the dispute given by either Party, each Party irrevocably and unconditionally submits to the exclusive jurisdiction of the Singapore Courts and its appellate courts and waives any right to object to proceedings being brought in those courts for any reason, notwithstanding third-party notices or impleaders, multiple defendants and interim/summary proceedings.

19 GOVERNING LAW

19.1 The Agreement shall be governed by and construed in accordance with the laws of the Country, to the exclusion of its conflict in law provision and the 1980 Vienna Convention on the International Sale of Goods.

20 COMPLIANCE WITH PRIVACY LAWS

20.1 Each Party agrees to comply with its obligations under the Applicable Data Privacy Law in respect of Personal Data obtained by or disclosed to it pursuant to this Agreement.

20.2 Each Party must only collect, use and disclose Personal Data for the purpose of fulfilling its obligations under this Agreement unless otherwise permitted under this Agreement. A Party must notify the other Party as soon as possible when it becomes aware of:

(a) A complaint alleging an interference with privacy;

(b) Any breach, or possible breach of this Article 20; or

(c) In relation to any Personal Data collected and/or handled by any of the Parties in connection with this Agreement.

20. Customer acknowledges that Schneider Electric is a global company with legal entities, business processes, October 2021 V2 Edition Page 12 of 15

Schneider Electric - General Terms and Conditions of Sale - Singapore management structures and technical systems that cross borders. As such, Personal Data may be collected and stored on servers located in other countries including the United States and in addition Schneider Electric may share information about Customer within the organization and may need to disclose such Personal Data to other Schneider Electric companies in other countries in which Schneider Electric does business for the purposes or uses outlined in Schneider Electric's Privacy and Data Protection Policy.

21 ANTI-BRIBERY - CORRUPTION AND ETHICS

21.1 The Customer acknowledges that Schneider Electric is committed to eliminating all risk of bribery and corruption and influence peddling in its business activities. The Customer shall comply and take steps to ensure that its employees and representatives comply with Anti-Corruption Law of which the Customer acknowledges that it has full and complete knowledge. The Customer must immediately notify Schneider Electric of any suspected, or known, breaches of Anti-Corruption Law.

21.2 The Customer undertakes that none of the Customer's employees, beneficial owners, shareholders, or any other person who is involved in or will benefit from the performance of the Agreement or has an interest in the Customer is:

(a) A civil servant, public or governmental official;

(b) An official or employee of Schneider Electric or one of its Affiliates; or

(c) has been convicted of, or otherwise been subjected to any administrative sanction or penalty for, any offence involving fraud, bribery, corruption, influence peddling, money laundering, or any other criminal offence involving dishonesty as an element. Customer will immediately notify Schneider Electric if any such individuals are the subject of any investigation into any such offences.

21.3 The Customer undertakes that all information provided to Schneider Electric by the Customer relating to its ownership, activities, experience, compliance with laws and regulations is accurate, comprehensive, and not misleading.

21.4 In case Schneider Electric is subject to an investigation pursued by public authorities in relation with this agreement, the Customer shall cooperate with Schneider Electric to the best of its capacity and provide to Schneider Electric all information that is reasonably requested for the purpose of assessing Schneider Electric's own potential liability under the applicable laws and regulations.

21.5 Should the Customer, its employees or any of its partners, including their employees, shall have any concern about ethics, compliance or Schneider Electric's Code of Conduct and related policies, at Schneider Electric, it may raise alert through their point of contact or through the Schneider Electric's Reporting Hotline.

22 EXPORT CONTROL COMPLIANCE

22.1 Neither Party shall comply with any foreign boycott laws or requirements, which are in violation of any federal or state law, rule, or regulation of Country.

22.2 Products, Services, Software and/or Projects provided by Schneider Electric under this Agreement contain or may contain components and/or technologies from the United States of America ("US"), the European Union ("EU") and/or other nations. Customer acknowledges and agrees that the supply, assignment and/or usage of the Products, Software, Services, information, other deliverables and/or the embedded

technologies (hereinafter referred to as "Deliverables") under this Agreement shall fully comply with related applicable US, EU and other national and international export control laws and/or regulations.

22.3 Unless applicable export license/s has been obtained from the relevant authority and Schneider Electric has approved, the Deliverables shall not (i) be exported and/or re-exported to any destination and party (may include but not limited to an individual, group and/or legal entity) restricted by the applicable export control laws and/or regulations; or (ii) be used for those purposes and fields restricted by the applicable export control laws and/or regulations. Customer also agrees that the Deliverables will not be used either directly or indirectly in any rocket systems or unmanned air vehicles; nor be used in any nuclear weapons delivery systems; and will not be used in any design, development, production or use for any weapons which may include but not limited to chemical, biological or nuclear weapons.

22.4 If any necessary or advisable licenses, authorizations or approvals are not obtained, whether arising from inaction by any relevant government authority or otherwise, or if any such licenses, authorizations or approvals are denied or revoked, or if the applicable export control laws and/or regulations would prohibit Schneider Electric from fulfilling any of its obligations under the Agreement, or would in Schneider Electric's judgment otherwise expose Schneider Electric to a risk of liability under the applicable export control laws and/or regulations if it fulfilled of its obligations under the, Schneider Electric shall be excused from all obligations under the Agreement.

22.5 Each Party shall execute and deliver to the other any documents as may be required to effect or evidence compliance of the export control provisions set out in this Article 22.

23 MISCELLANEOUS

23.1 Independent Parties

Nothing contained or implied in the Agreement will create nor constitute the creation or establishment of a relationship of partnership, joint venture or agency between the Parties, and neither Party has any authority nor right to bind the other Party to any obligations.

23.2 Force Majeure

(a) Except for the Customer's payment obligations, a Party will not be liable to the other if performance of its obligations to the other Party is delayed, impeded or prevented by any act or event beyond the reasonable control of a Party, whether foreseen or not, which delays, interrupts or prevents such Party from performing its obligations under the Agreement or events occurring in or affecting Schneider Electric s premises or business or those of its contractors and/or suppliers, which may disrupt the organisation or business activity of the Party ("**Force Majeure**").

(b) Force Majeure shall include without limitation, act of God, lock-outs, strikes, illness, epidemic, pandemic, war, insurrection, riot, civil commotion, act or threat of terrorism, embargos, lightning, earthquake, fire, flood, storm or or extreme weather condition, theft, malicious damage, lockout, industrial dispute (whether affecting the workforce of a Party and/or any other person) breakdown or failure of plant or machinery or machinery accident, rejection of parts during the manufacturing process, interruption or delay in the transportation or procurement of raw materials, power or components, or any other event outside the control of Schneider Electric, its contractors and/or its suppliers or act of any government or governmental agency including laws regulation or ordinance and proclamation.

(c) All such Force Majeure conditions preventing performance shall entitle Schneider Electric to an extension of the date of delivery of the Products and Software or completion of the Services and/or Projects by a period of time equal to the period of delay incurred as a result of the Force Majeure or to any other period as the Parties may agree in writing.

(d) If Schneider Electric is delayed in the supply of Products, Services, Software and Projects due to Force Majeure which continues for more than two (2) months, either Party may terminate the Agreement by written notice to the other Party.

23.3 No Solicitation

The Customer agrees that during the term of any Agreement and for a period of six (6) months after expiry of that Agreement, it will not solicit or hire directly or indirectly any employees that Schneider Electric used to provide any Services or Project under that Agreement to the Customer.

23.4 Assignment/Novation

Neither Party may assign nor novate any of its rights and obligations under the Agreement without the prior written approval of the other Party (such approval not to be unreasonably withheld or denied), provided that either Party may assign or novate its rights and obligations to a related body corporate of similar financial standing and has the ability to discharge its obligations under the Agreement.

23.5 Severability

If any provision of the Agreement, or the application thereof to any person, place or circumstance, will be held by a court or tribunal of competent jurisdiction to be invalid, unenforceable, or void, the remainder of the Agreement and such provisions as applied to other persons, places or circumstances will remain in full force and effect.

23.6 Entire Agreement

For the purposes of each Agreement, the Agreement will form the entire agreement between the Parties and as such both Parties exclude all statements, representations, warranties, conditions, promises, undertakings, covenants and other provisions, express or implied (and whether implied by law or otherwise) relating to that Agreement.

23.7 No Third Party Rights

The Quotation or Agreement only generate rights and obligations between the Customer and Schneider Electric that issued the Quotation or entered into the Agreement. The Parties do not intend that any term of these Terms and Conditions will be enforceable by any person, whether or not a beneficiary, shall have any legal or equitable right or benefit under this Agreement or the right to enforce any legal or equitable right or benefit it may have, if such person or party is not privy to or is not a Party to this Agreement.

23.8 Cumulative Remedies

Schneider Electric's rights and remedies set out in these Terms and Conditions are in addition to and not exclusive of any rights and remedies provided by law.

23.9 Press Release

Neither Party shall issue any press release concerning Schneider Electric's work without the other Party's consent. Notwithstanding the foregoing, Schneider Electric may identify Customer as a client of Schneider Electric, use Customer's name and logo and release and announcement regarding the award of the Agreement. Schneider Electric may generally describe the nature of the supplies/services in Schneider Electric promotional materials, presentations, case studies, qualification statements and proposals to current and prospective clients.

23.10 Waiver

A delay in exercising or failure to exercise a right or remedy under or in connection with the Agreement will not constitute a waiver of, or prevent or restrict future exercise of, that or any other right or remedy, nor will the single or partial, exercise of a right or remedy prevent or restrict the further exercise of that or any other right or remedy. A waiver of any right, remedy, breach or default will only be valid if it is in writing and signed by the Party giving it and only in the circumstances and for the purpose for which it was given and will not constitute a waiver of any other right, remedy, breach or default.

ADDENDUM FOR THE SUPPLY OF PROJECTS

In relation to Projects, the Terms and Conditions set out above are amended or supplemented as follows:

24 AGREEMENT ON SPECIFICATIONS AND PROVISION OF INFORMATION

24.1 If the Project involves preparing and reaching mutual agreement of Specifications with the Customer, Schneider Electric will work together with the Customer to prepare the necessary Specifications in accordance with the Timetable, or if there is no Timetable, within thirty (30) days of the Agreement's entry into force or such other time as is agreed between the Parties. The Customer will review and either provide amendments or approve the Specifications within five (5) working days of receipt of the Specifications. In the absence of any written comments within five (5) working days, the Customer will be deemed to have approved the Specifications. Any changes to the approved Specifications will be considered a Variation in accordance with Article 26.

24.2 It is the Customer's responsibility to provide Schneider Electric with any and all data required to determine the features of the Project, in particular, but not limited to, the functionalities required for the Project, installation and environmental conditions.

24.3 The Customer agrees to respond to any requests for further information or instructions from Schneider Electric within five (5) working days after the receipt of such request for further information or instructions by the Customer. If the Customer does not respond within that period (or such other period identified by Schneider Electric), Schneider Electric will have the right to claim

25 DELAY AND EXTENSION OF TIME

25.1 Unless there is a Timetable specified in an Agreement, Schneider Electric will, if so requested by the Customer, submit a Timetable to the Customer for approval prior to commencing the supply of the Project Deliverables.

25.2 Any Timetable submitted by Schneider Electric pursuant to Article 25.1 as requiring the Customer's approval will be approved or commented on in writing by the Customer within five (5) working days after the receipt of such Timetable by the Customer. If the Customer does not respond within that period (or such other period agreed with Schneider Electric), it will be deemed to have approved the Timetable.

25.3 Schneider Electric will, at all times, take all reasonable steps to ensure that the Project Deliverables are supplied in accordance with the Timetable. If the supply of the Project Deliverables will be delayed by an act or omission of the Customer or by an event beyond Schneider Electric's reasonable control, and the delay was not contributed to by Schneider Electric, Schneider Electric will promptly submit a claim to the Customer for an extension of time to the Timetable setting out the details of the cause of the delay, the activities affected and the extension of time needed. The Customer will, acting reasonably, consider Schneider Electric's claim and grant the extension of time requested or such other mutually acceptable period of time as an extension to the Timetable (which shall not be unreasonably withheld or denied).

25.4 Any changes to the approved Timetable including those pursuant to Article 25.3 will be considered a Variation in accordance with Article 26.

26 VARIATIONS

26.1 If the Customer wishes to alter, amend, omit, add or otherwise vary an Agreement or Timetable including suspend the delivery, it will issue Schneider Electric with a written Variation request ("Variation"). Schneider Electric will review the Variation request and provide a quote to the Customer setting out the cost of the Variation and the impact on the Timetable.

26.2 As soon as practicable after receipt of the quote from Schneider Electric, the Customer will either accept the quote by signing and returning it to Schneider Electric or reject the quote in writing. If the Customer and Schneider Electric are unable to agree upon the amount of the difference in cost or impact on the Timetable the provisions of Article 26.3 shall apply.

26.3 If the Parties can agree upon the Variation to the Timetable and the only outstanding item is pricing, the Customer may direct Schneider Electric to proceed with the Variation request on a Time and Materials basis in accordance with Schneider Electric's standard schedule of rates. Unless Schneider Electric reaches agreement with the Customer under Article 26.2 or it receives a direction under this Article 26.3, Schneider Electric will not be required and is not obligated to proceed with the Variation request.

27 TECHNICAL SUPPORT DURING COMMISSIONING

27.1 Unless otherwise provided, Schneider Electric's prices do not include the assembly or commissioning of the Project Deliverables or any batch of spare parts.

27.2 Whenever Schneider Electric's technicians carry out any work at the Customer's work site where the Project is installed, the Customer will be responsible for supplying the power sources, the handling or other equipment and the raw materials of any kind required for Schneider Electric to complete its services for Projects and fulfill its obligations under the Agreement.

27.3 If the Project is in the form of an automated system, the Customer shall also bear the cost of all loss and rejections at the Customer's premises during the entire period of configuration of the Project Deliverables.

27.4 Schneider Electric will be responsible for any adaptations to the Project Deliverables which may be required to ensure that it operates in compliance with the contractual terms, unless they are required due to the inadequacy of or a mistake in the information provided by the Customer, the relocation of the Project Deliverables or changes to its environment, in which case the Customer will be responsible for those adaptations. In such a case, the Customer shall be responsible and liable to pay Schneider Electric for the cost of such adaptations and the time spent by Schneider Electric, and Schneider Electric shall invoice the Customer for payment accordingly.

27.5 If the work carried out by Schneider Electric's specialists at Site is delayed or prevented for reasons outside Schneider Electric's control, the Customer shall be responsible and liable to pay Schneider Electric for the (wasted) travel and/or waiting time, and Schneider Electric shall invoice the Customer for payment accordingly.

28 TESTING AND ACCEPTANCE

28.1 For all Project Deliverables, the following provisions will apply:

(a) Schneider Electric will notify the Customer in writing when the Project Deliverables are ready to be submitted for Acceptance Tests and within ten (10) days after receiving such notice, the Customer, or Schneider Electric if applicable, will conduct Acceptance Tests on the Project Deliverables and advise the other in writing of whether the Project Deliverables have passed the Acceptance Tests or the Project Deliverables have failed the Acceptance Tests.

(b) If the Project Deliverables fail to pass the Acceptance Tests, the Customer must notify Schneider Electric in writing setting out details of the known defects in the Project and permit Schneider Electric, within a reasonable period of time taking into account the nature of the defects and the likely time it will take to remedy the defects, which period shall not be less than ten (10) working days, to correct the defects and resubmit the Project to the Customer to conduct Acceptance Tests again.

(c) If the Customer's representative is unable to attend Acceptance Tests at Schneider Electric's site notwithstanding reasonable notice, the Customer will be deemed to have waived its right to attend and the conclusions of the Acceptance Tests will be deemed to have been produced by both Parties and to be enforceable against the Customer.

(d) The Project Deliverables will be deemed accepted upon the occurrence of the earlier of:

(i) The date that the Customer gives written notice to Schneider Electric that the Project Deliverables have passed the Acceptance Tests; or

(ii) The date that is fourteen (14) days after completion of the Acceptance Tests, provided that during the fourteen (14) day period after completion of the Acceptance Tests the Customer did not notify Schneider Electric in writing of any defects in the Project Deliverables; or

(iii) The date the Customer makes commercial or operational use of the Project Deliverables other than for the purposes of conducting the Acceptance Tests.

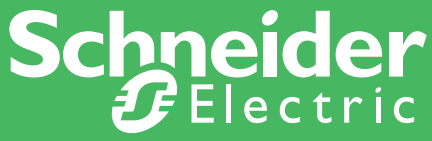
29 CONTRACTUAL WARRANTY FOR PROJECTS

29.1 Provided a separate Project Deliverable warranty is indicated in the Agreement, then all Project Deliverables provided pursuant to the Addendum for the Supply of Project shall perform in accordance with the Specification agreed with the Customer for the Warranty Period defined in the Agreement.

29.2 For the avoidance of doubt where there is no reference to an additional warranty period for Project Deliverables in the Agreement then no specific Project Deliverable warranty shall apply, and the terms of Article 10 herein shall be applicable to the Project Deliverable.

END OF DOCUMENT

October 2021 V2 Edition



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