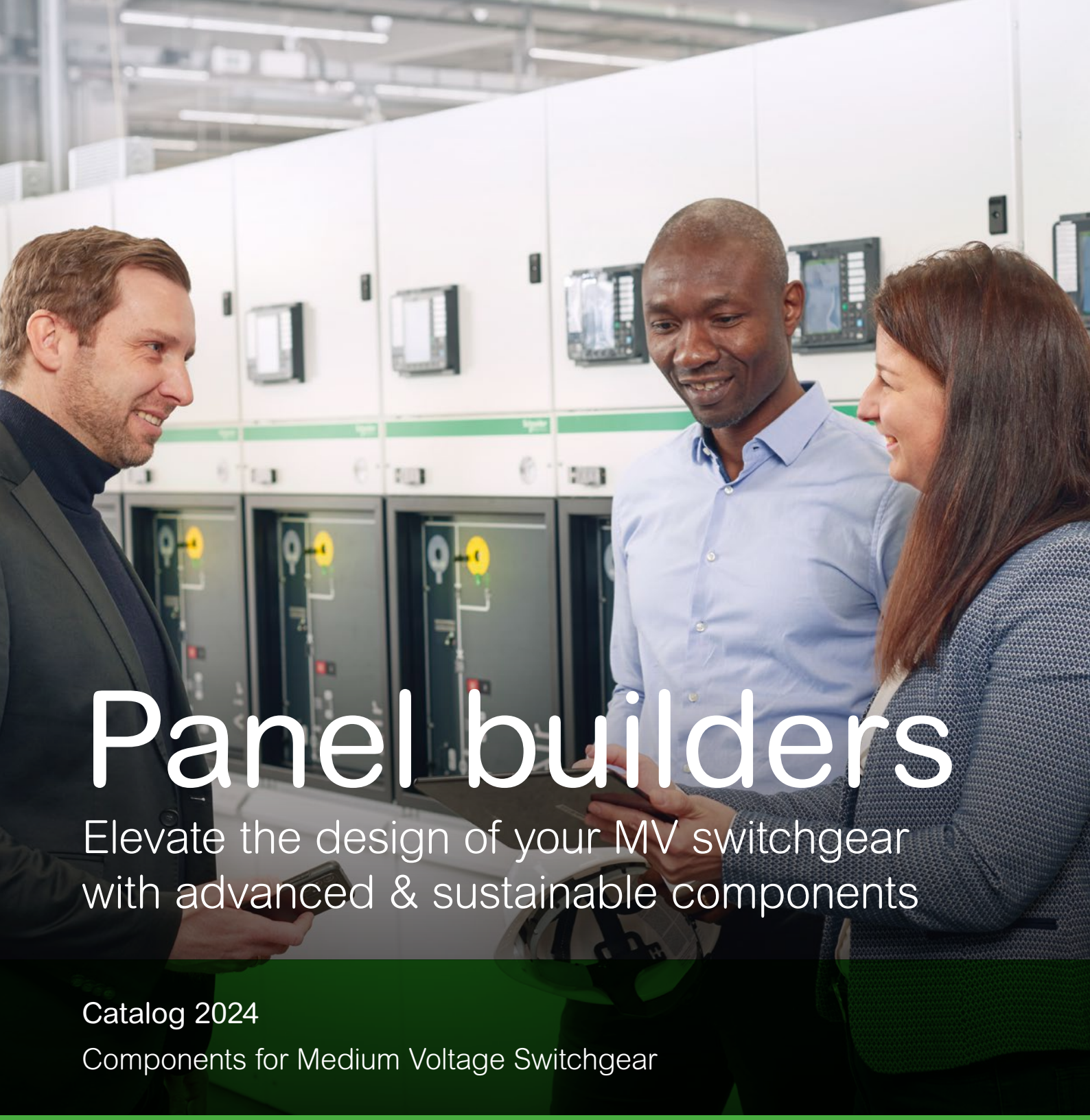


Panel builders

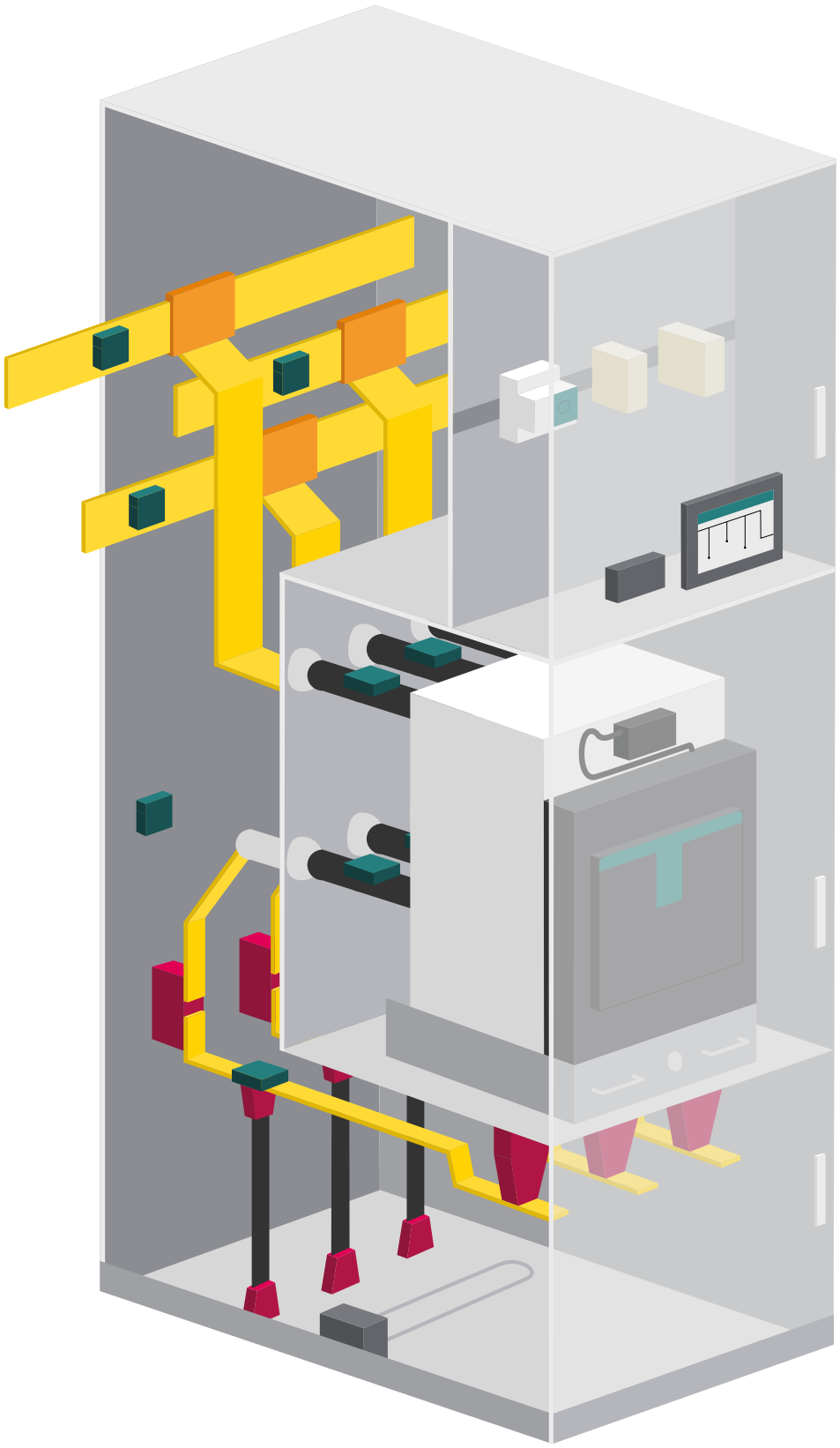
Elevate the design of your MV switchgear with advanced & sustainable components

Catalog 2024

Components for Medium Voltage Switchgear

se.com/mv-panelbuilder

Life Is On Schneider Electric



In this overview, Schneider Electric presents all the Medium Voltage and Low Voltage components you need to build your Medium Voltage switchgear.

Contents

Electricity is getting more Digital & Sustainable, are you ready?

With the combined benefits of digitalisation, the Internet of Things and improved interoperability, there is significant potential for improvement in energy management.

Increased versatility enables faster adaptation to customer needs and rapid product configuration, while operational data analysis optimises operating conditions, predicts maintenance needs and enables better asset management.

As part of our commitment to sustainable and efficient energy, we also offer our partners innovative, compact and SF_6-free solutions. This is in line with our aim to help companies gain a competitive advantage through smarter switchgear without compromising the environment.

AirPacT
SF6-free switch and disconnector

PM109061

Decarbonize

Our offerings provide highly sustainable switchboards that promise longer durations of life.
The use of Pure Air technology eliminates the use of SF_6 gas, a known high potential Global Warminggas (ban of SF_6), is starting January 2026 in Europe. Additionally, we continually strive to increase equipment efficiency and longevity with groundbreaking innovations such as the use of composite mechanisms, thereby promoting operational life extension.

PowerLogic P7
A major step forward for protection relays

PM110958

Connect and monitore

Given the pressing regulatory mandates and evolving customer needs, the need for highly efficient and durable installations has never been more significant.
We provide the solutions that are engineered to boost the efficiency and optimize the operation service life of these installations.
Constant information regarding the health of the power installation is crucial in extending its operational lifetime.
Our service also significantly reduces downtime and intervention periods by foreseeing and managing potential failures.

EvoPacT HVX
A revolutionary circuit breaker

PM110584

Partner for the future

The wheels of Energy Transformation are now set in motion and we are prepared to extend our fullest support to our partners in this endeavor.
The winners in this transformation will undoubtedly be the ones that are prepared and adaptable.
We offer a multitude of supports to our partners, such as a thoroughly refreshed MV portfolio, unwavering focus on sustainability, and fostering of digital services.
Moreover, our Pure Air technology, alongside connected devices, grants our panel builder partners a significant competitive edge.
They are equipped to meet their customers' increasing demands for more efficient and sustainable installations.

Longlife partner for your customer

Support your customers to face the challenges of running efficient and durable electrical installation

For your end-user in industrial, commercial or infrastructure buildings power failure is the worst scenario that can happen. Business comes to a standstill, production and employees are idle.

Be informed 24/7 on health of your customer power installation

With digital services, as our partner you can leverage the power of connected equipment to effectively monitor electrical installations 24/7. This advanced approach enables to be informed proactively about any abnormal wear and tear.

Additionally, it also offers insights into the anticipated replacement of critical components, allowing to manage maintenance with improved efficiency and minimal disruption. Hence, digital services revolutionize equipment management, ensuring safety and prolonged operational lifespan.

Be your customer best advisor to maintain service continuity

As a trained and recognised partner of Schneider Electric, you will be able to recommend, sell or provide services to your customer to keep their installation operating at optimum levels for a long service life.

Become an expert in maintaining the availability and longevity of electrical distribution installations with field and digital services, you can now maximise revenue with additional service opportunities.

Gain more expertise and expand your business portfolio

- Differentiate from competitors with relevant services offerings
- Increase staff expertise with dedicated training
- Be the solution provider and trusted advisor your customer needs.

Discover more: Page D-2.

PM1110543

Schneider Electric's commitments

High quality components

Using our long experience in the design and manufacture of medium voltage cubicles, we ensure full interoperability of all components, tested in our own facilities.

Our industrialised processes and rigorous quality controls ensure the highest quality components to meet your most demanding requirements.

Easy and fast integration

As an industrial manufacturer, we value simplicity, so we have made it a priority to ensure that your product knowledge continues to grow and that you can easily integrate our tools and training package to help you run your business more efficiently.

All the necessary installation and assembly information is supplied with each component or online in a dedicated area for partners.

Innovation and continuous improvement

We innovate to enhance our partners' and customers' equipment and installation value. Our durable, connected products improve safety and efficiency and offer modern remote monitoring for easy operation and maintenance. We also focus on staff and partner skill development through trainings and solution and product discovering.

Our purpose is to empower all to make the most of our energy and resources

- Act for a climate positive world
- Be efficient with resources
- Live up to our principles of trust
- Create equal opportunities
- Harness the power of all generations
- Empower local communities

PM110162

True Peace of Mind

Fully type-tested & compliant with international and local standards

PM1110968

We have a particular attention to safety and reliability of our products, thus during all the process from conception, and all along the manufacture, our components are following stringent tests and rigorous control routine.

In addition, our devices undergo tests in laboratories across the world and are compliant with latest standards globally and locally.

Get you the tools to achieve more

PM1110959

Ease and secure your designs:

- CAD and drawings accessible from our Web and Partner Portal
- Access to product videos of installation

Share simply with your customers all technical documentations:

- Technical manuals (user guides, installation manuals, etc.)
- Products catalogs
- Maintenance guides and end-of-life manuals

Gain more autonomy and productivity using our suite of software EcoStruxure™ Power Build:

- Configure your projects simply and quickly
- Get a quick quotation
- Set up and share documentation
- Order automatically

Benefit from Schneider Electric brand image and know-how

PM110167

The experience of a world leader in Medium Voltage

Schneider Electric has been manufacturing MV cubicles for more than half century and has an installed base of millions of products and devices.

A long history of innovation for a global offer

Based on this experience, Schneider Electric has developed an innovative and comprehensive range of Medium Voltage devices employing field proven and latest breaking technologies. You benefit from a long experience and know-how in electric distribution, automation and power and control.

Our components can easily benefit from advanced functionalities of communication and monitoring enabled by IoT to give final switchboard and installation valuable information and enhanced durability & operability of the complete system.

Quality certification: ISO 9001 and ISO 14001

Every unit of Schneider Electric has a quality operating organization, with stringent procedures:

- Uniform for all departments
- Recognized by numerous customers and official organizations

Schneider Electric:
A brand you can trust

Schneider Electric's policy has always been to provide its customers with very close support in their daily activities to enable them to achieve operational excellence.

There are always experts to support you!

Locally or on demand, our team of experts accompanies you during integration and discovering of our products.

We will add value:

- To **SPEED UP** adoption of our offers
- To **SIMPLIFY** components integration
- To **PROVIDE** technical knowledge/solutions

We will help you, by providing:

- Support on integration of Schneider Electric components
- Simulation of Panel Builder's cubicles into CAE tool by our core experts, before going for extensive type testing
- Support to prepare Panel Builder's switchgears for type testing
- Training on our products
- And welcome you in our factories!

- **Local support** all over the world
- **130,000** people in more than **100** countries
- Over **100 years** of protection relay **experience**

PM110512

Simplify your life at all steps of your business

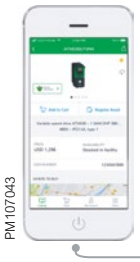
Connect mySchneider

Register to mySchneider help you find what you need to create better and more efficient Low Voltage or Medium Voltage Switchboards, easily and in less time.

panel builders web page

You'll get:

- Productivity tools
- Personalized resources
- Collaborative sales support
- Trainings


PM107043

Get support anytime

- 24/7 self-service, mobile catalog and access to expert help
- Off-line and on-line catalog
- Manage and track your orders
- Advanced support

MySchneider app


PM107044

Discover, select and define

Experience our advanced WEB functionalities that help to:

- Select and compare components
- Build easily and automatically your technical documentation with ready to use tools

www.se.com

Select your location to get access to the Product Page available in your Country.


PM108872

Order and check ordering information

A self-service ordering platform to access detailed information:

- Check real-time price and availability information
- Order online
- Check order status and tracking information
- Get financial documentation

MySchneider app

Go Paperless

With Digital Logbook whether you are looking for a user manual, drawings or maintenance records, Digital Logbook makes access fast and simple.

Digital Log Book

With mySchneider Panel Builders Program

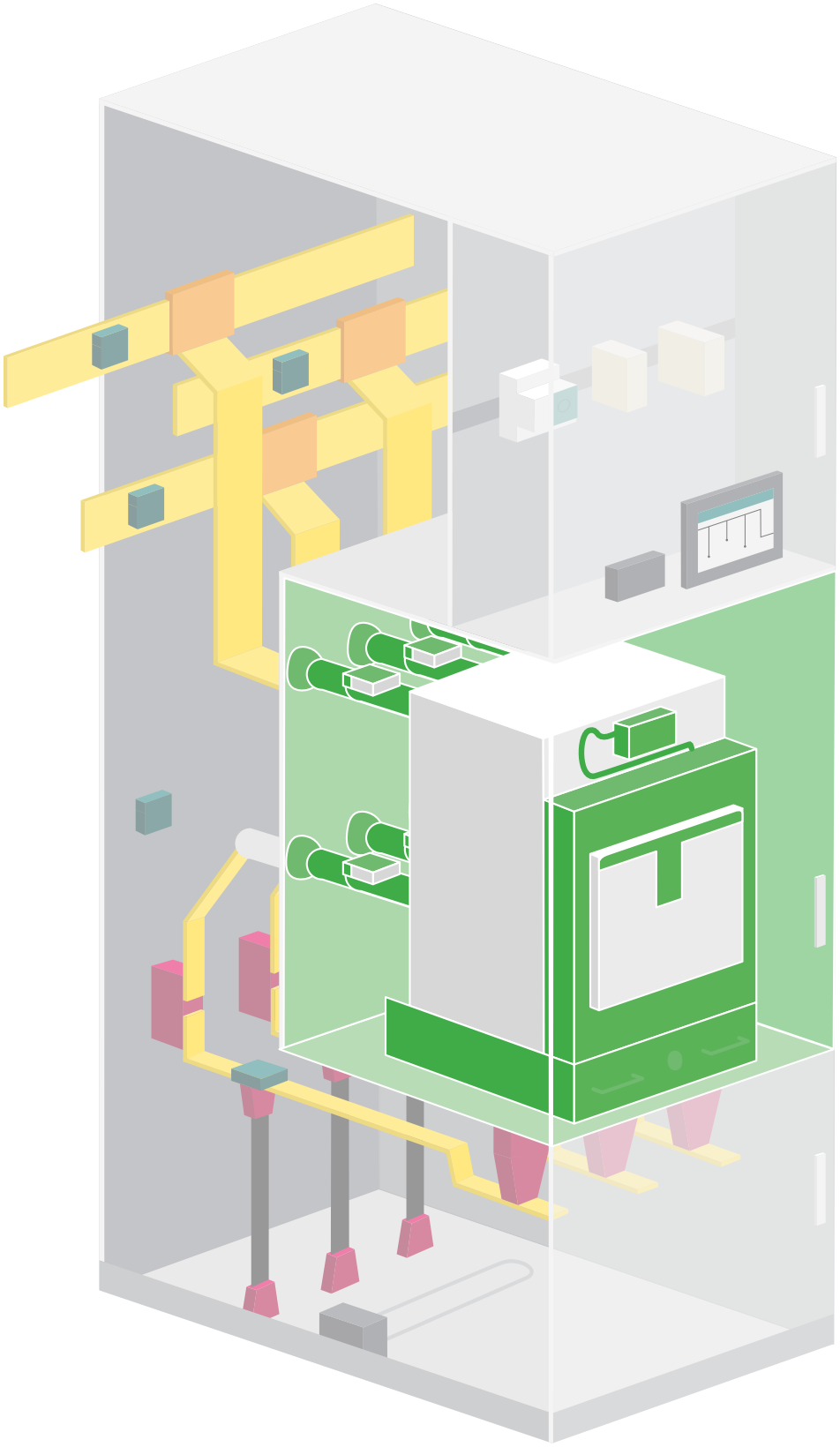
Get **more** done to grow!

Enhance your skills, boost customer satisfaction, and increase your business wins

Visit our page and get more:

panel builders web page


MCSeT
Schneider Electric
Partial Discharge Monitoring



Medium Voltage switching devices

Medium Voltage switching devices

Circuit-Breakers

Vacuum circuit-breakers

Protection and operation of network

A revolutionary circuit breaker for MV distribution

EvoPacT HVX

Next Generation

EvoPacT HVX brings demanding applications into the future with IoT-enabled features that meet the needs of our all-digital, all-electric world.

By bringing us closer to the operation of our facilities than ever before, EvoPacT HVX improves the way we interact with electrical systems, ushering in the digital revolution.

Longer service life

EvoPacT HVX is designed with more than 45 years of MV experience and manufactured using in-house, best-in-class components for a longer operational life.

- Proven to last **three times longer than the industry standard** for MV circuit breakers
- Built to withstand up to **30,000** mechanical and electrical operations
- Tested according to all major international standards, including IEC, ANSI/IEEE and GB

Rated voltage (kV)	24
Max. rated short-circuit current	31.5 kA
Max. rated current	2 500 A
Versions	• Fixed • Withdrawable
Number of poles	3p
Mechanical operations cycles (ON/OFF)	30 000
Mounting	Frontal
Mechanism	Conventional spring
Standards	• IEC • GB (Chinese) • ANSI

Benefits

- Embedded pole for better dielectric and environmental pollution withstand
- Operate smarter with innovative technology
- Reduce operational risk
- Buil-in sustainability (Green Premium certified)
- Service enabler for Partners (see page 50/D2)
- See video

Circuit-Breakers

Vacuum circuit-breakers

Protection and operation of network

	EasyPact EXE	EvoPact HVX	
		Embedded pole	O
	 PM108877	 PM109084	 PM110584
Rated voltage (kV)	12 / 17.5	12 / 17.5 / 24 / 36 / 40.5	36
Max. rated short-circuit current	31.5 kA / 31.5 kA	50 kA / 50 kA / 31.5 kA / 31.5 kA / 31.5 kA	31.5 kA
Max. rated current	2 500 A	3 150 A / 4 000 A (1) / 2 500 A / 2 500 A / 3 150 A (1)	2 500 A
Versions	• Fixed • Withdrawable	• Fixed • Withdrawable	• Fixed • Withdrawable
Number of poles	3p	3p	3p
Mechanical operations cycles (ON/OFF)	10 000	10 000	10000
Mounting	Frontal	Frontal	Frontal
Mechanism	Conventional spring	Conventional spring	Conventional spring
Standards	• IEC • GOST	• IEC • GB (Chinese) • GOST (2)	• IEC
Benefits			
	• Kit and web ordering • Better safety • Opex optimization (thermal sensors) • Service enabler for Partners (see page 50/D2) • See video	• Embedded pole for better dielectric & environmental pollution withstand	• Assembled pole

(1) Need forced cooling
(2) Only 36 kV & 40.5 kV

Circuit-Breakers

SF_6 Circuit-Breakers

Protection and operation of network

	EvoPact LF	EvoPact SF1	EvoPact SF2
	 PM109988	 PM110000	 PM109997
Rated voltage (kV)	12 / 17.5	12 / 17.5 / 24 / 36	36 / 40.5
Max. rated short-circuit current	50 kA / 40 kA	25 kA / 25 kA / 25 kA / 25 kA	40 kA / 31.5 kA
Max. rated current	3 150 A	1 250 A	3 150 A / 2 500 A
Versions	• Fixed • Withdrawable	• Fixed • Withdrawable	• Fixed • Withdrawable
Number of poles	3p	3p	3p
Mechanical operations cycles (ON/OFF)	10 000	10 000	10 000
Mounting	Frontal	Frontal and lateral	Frontal
Mechanism	Conventional spring	Conventional spring	Conventional spring
Standards	• IEC • GOST	• IEC	• IEC
Benefits			
	• Referenced product for Nuclear Power plants • Marine solutions certified • Seismic version available	• Integrated VIP trip unit (without auxiliary power supply) in SFset up to 24 kV • Well suited for capacitor bank and inductive load applications	• Particularly adapted for high voltage ratings and harsh environment • Well suited for capacitor bank and inductive load applications

Circuit-Breakers

Specific Applications Circuit-Breakers

Protection and operation of network

Vacuum Circuit-Breaker

	VAH			VXC	
	 PM106142			 PM106143	
Function	Protection for generator in power plants up to 130 MVA			Arc furnace	
Rated voltage (kV)	12	13.8	17.5	31.5	38
Max. rated short-circuit current	63 kA	63 kA	63 kA	40 kA	40 kA
Max. rated current	5 000 - 8 000 A*			2 500 A	4 000 A
Versions	• Fixed			• Fixed	
Number of poles	3p			3p	
Mechanical operations cycles (ON/OFF)	10 000			25 000	
Mounting	Frontal			Frontal	
Mechanism	Conventional spring			Conventional spring	
Standards	• IEC • ANSI • IEEE C37.013			• IEC	
Benefits					
	• Extremely robust design • Optimized maintenance			• Extremely robust and simple construction • Extra high mechanical and electrical switching capacity • Designed for high operating cycles • Minimum maintenance	

Contactors

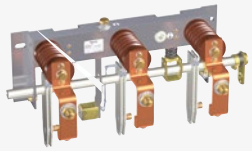
Vacuum and SF_6 contactors

Protection and control of network

	Vacuum Contactor				SF_6 Contactor	
	CBX		**CVX**		**Rollarc**	
	 PM103784		 PM103792		 PM107151	
Rated voltage (kV)	7.2	12	7.2	12	7.2	12
Max. rated short-circuit current	6 kA	4 kA	6 kA (50 kA in conjunction with fuses)	4 kA (50 kA in conjunction with fuses)	10 kA	8 kA
Max. rated current	400 A (AC4)	315 A (AC4)	400 A (AC4)	315 A (AC4)	400 A (AC4)	
Versions	• Fixed	• Fixed	• Withdrawable version equipped with DIN or BS fuses • Optional on board auxiliary voltage transformer		• Basic • Fixed • Withdrawable	
Number of poles	1p - 3p		3p	3p	3p	3p
Mechanical operations cycles (ON/OFF)	• 300 000 (mechanical latch) • 1 000 000 (magnetic held)		• 300 000 (mechanical latch) • 1 000 000 (magnetic held)		• 100 000 (mechanical latch) • 300 000 (magnetic held)	
Mechanism	Magnetic holding or mechanical latch		Magnetic holding or mechanical latch		Magnetic holding or mechanical latch	
Standards	• IEC • GB (chinese)		• IEC • GB		• IEC	
Benefits						
	Version available for capacitor banks: • 1 pole version available for neutral Earthing • Specific version available for capacitor banks		• LV supply thanks to optional on board VT • High short circuit breaking capacity in combination with fuses • Cradle available (consult us)		• Reference product in SF_6 contactor market • Nuclear powerplant & Marine applications • Soft breaking, suited for capacitor bank, power transformers and motors applications	

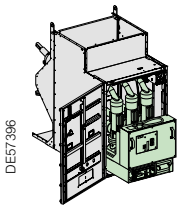
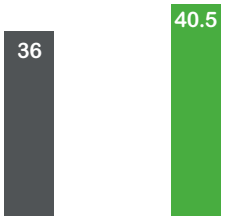
Switches and Disconnectors

Indoor load break switch, disconnector and earthing switch

	SF$_6$-free switch & disconnector	SF$_6$ switch & disconnector	Earthing switch							
	AirPacT		**LBSkit**		**EISC**				**Earthing switch 17/24 kV**		
	 PM109061		 PE56373		 PM105560				 PM108846		
Function	Indoor load break switch, disconnector and accessories				Earthing switch				Earthing switch		
Rated voltage (kV)	24		24	36	12	17.5	24	36	12	17.5	24
Max. rated short-circuit current	25 kA/1 s		25 kA/1 s	25 kA/1s	31.5 kA	31.5 kA	31.5 kA	25 kA	31.5 kA	50 kA	31.5 kA
Max. rated current	1 250 A		1 250 A	1 250 A							
Pole center distance					165	210	165	350	160	200-240	240
					175		210	370			
					210		215	400			
					215		250	460			
					250		275				
							300				
Mechanical operations cycles (ON/OFF)	10 000 operations		1 000 O/C cycles (Class M1)						1 000 cycles		
Standards	• IEC		• IEC						• IEC 62271-102		
Benefits											
	• Green Premium • Insensitive to environment • Reduced maintenance • Easy & flexible integration • See video		• Insensitive to environment • Reduced maintenance		Earthing switch for a wide range of rated voltages				Simple and robust design easy to adapt with a large choice of options		

Cradle

Cradle

	L-Frame Cradle	M1-M2 Cradle	MC Cassette
	 PM105644	 DE57396	 PM10893
Function	Integration of switching device	Integration of switching device	Integration of switching device
Rated voltage (kV)			
Max. rated short-circuit current	50 kA / 31.5 kA	40 kA / 31.5 kA	50 kA
Max. rated current	3 150 A / 2 500 A	2 500 A / 1 250 A	3 150 A
Recommended cubicle width	650 - 1 000 mm / 800 - 1 000 mm	1 100 mm	570 - 900 mm
Integration of switching device	EvoPact HVX Embedded Pole + EasyPact EXE  PM105605  PM108877	EvoPact SF  PM108519	EvoPact LF + EasyPact EXE  PE58239  PM108877
Version	With and without earthing switch	Without earthing switch	With earthing switch in option
Benefits			
	Fully assembled by Schneider Electric	Two different arrangements for HV connection using the upper and lower bushings	Full type tested solution including internal arc protection with MV door

Fuses

Current limiting fuses

Function

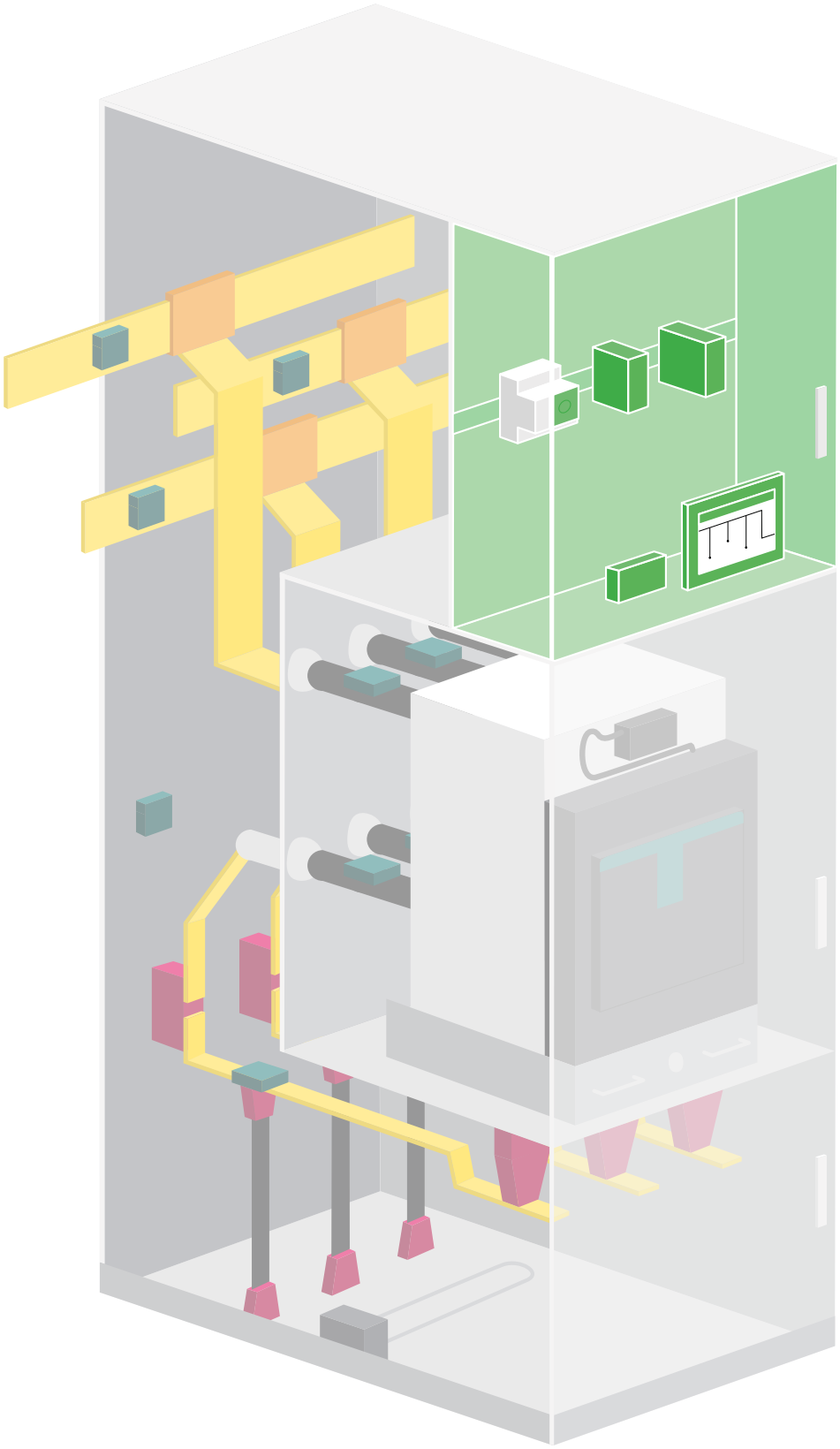
Protection to Medium Voltage distribution devices (from 3.6 to 36 kV) from both the dynamic and thermal effects of short-circuit currents

	Fusarc CF	Solefuse	Tepefuse	MGK
Rated voltage (kV)	3.6 / 7.2 / 12 / 17.5 / 24 / 36	7.2 / 12 / 24 / 36	12 / 24	7.2
Max. rated short-circuit current	Up to 63 kA	Up to 50 kA	Up to 40 kA	Up to 50 kA
Max. rated current	Up to 250 A	Up to 125 A	Up to 0.3 A	Up to 250 A
Applications	• Motors • Power Transformers • Capacitors • Metering Transformers	• Power Transformers • Capacitors	Voltage Transformers	Motors
Standards	• IEC 60282-1 • DIN 43625 • VDE 0670-402	• IEC 60282-1 • UTE C64200, C64210	• IEC 60282-1 • UTE C64200, C64210	• IEC 60282-1

Benefits

- High breaking capacity
- High current limitation
- Low I2t values
- Low breaking overvoltage
- Low dissipated power
- For indoor and outdoor applications
- With a thermal striker

For additional information consult our MV fuses catalogue (ref: AC0479EN)



Protection, Metering and Feeder Automation

Protection, Metering and Feeder Automation

Maximise safety, reliability and operational efficiency.

Take the protection of your end users' electrical systems to new levels of safety, reliability and operational efficiency with the next generation of digital protection relays and a full range of monitoring devices that provide 24/7 information on the health of your MV installations.

- Help protect people and assets
- Optimize business reliability and continuity
- Maximize operational lifecycle efficiency
- Sustainability by design

Protection relays

PowerLogic P7 Range

PowerLogic P7 contains

Two main devices, each with specific functions to address your needs in a one-box design, regardless of application.

Next Generation

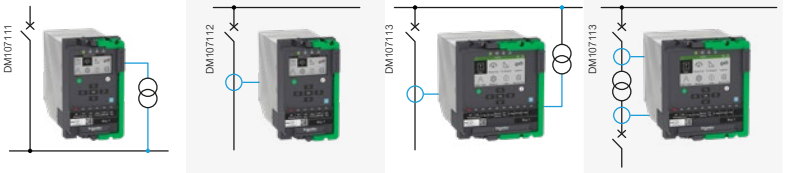
Application	PowerLogic P7	
Feeder	●	-
Motor Differential	●	-
Generator Differential	●	-
Transformer Differential 2/3 Windings	●	-
Stand-alone Merging Unit	-	●
HMI		
7" Color Touchscreen	●	-
Characteristics		
Case size	40T	40T
Flush/Rack mounting	● / ●	-
Wall mounting	-	SAMU
Binary inputs (max.)	40	40
Binary outputs (max.)	36	36
Hardware dimensions (W/H/D) 205/180/280 mm 8/7/11 in		
External modules — 8 RTD Temperature sensors	0-1	0-1
External modules — IRIG-B	●	●
Measuring inputs — Current	5-12	5-12
Measuring inputs — Voltage	3-8	3-8
Power supply range — 24-34 VDC	●	●
Power supply range — 48-125 VDC	●	●
Power supply range — 110-250 VAC/DC	●	●
Communication		
Rear ports — RS485, serial	1	1
Rear ports — RJ45 Ethernet	1	1
Rear ports — Redundant Ethernet port (SFP RJ45 or FO)	0-1	0-1
Rear ports — Extension port	1	1
Front ports — Mini-USB for configuration	1	-
Communication protocols — RSTP/PRP/HSR/Failover	● / ● / ● / ●	● / ● / ● / ●
Communication protocols — IEC 61850 Ed. 2.1	●	●
Communication protocols — Modbus Ethernet/RS485	● / ●	● / ●
Communication protocols — DNP3 Ethernet/RS485	● / ●	● / ●
Communication protocols — IEC61869-9	-	SAMU
Time synchronization — IEEE 1588 (PTP)	●	●
Time synchronization — SNTP	●	●
Time synchronization — IRIG-B	●	●
Time synchronization — Protocol	●	●

Protection relays

PowerLogic P5 range

PowerLogic P5 contains

Two main devices, each with specific functions to address your needs in a one-box design, regardless of application.



Application		PowerLogic P5x20		PowerLogic P5x30	
Voltage		P5V20	-	-	-
Feeder		-	P5U20 with directional in LPCT/LPVT version	P5F30 with directional	-
Transformer				-	P5T30
Motor				P5M30 with directional	-
Characteristics					
Measuring inputs	Phase current	-	1/5 A CT (x3) or LPCT (x3) (1)	1/5 A CT (x3) or LPCT (x3)	1/5 A CT (x6)
	Residual current	-	1/5 A CT & 1 A CT or CSH core balance CT	1/5 A CT & 1 A CT or CSH core balance CT	1/5 A CT (x2)
	Voltage	VT (x4)	LPVT (x4) (1)	VT (x4) or LPVT (x4)	VT (x1)
Arc-flash sensor inputs		-		0 to 6 point sensors	
Digital	Inputs	4 to 16		4 to 40	
	Outputs	3 to 8 + Watchdog (WD)		3 to 18 + Watchdog (WD)	
Temperature sensor input		-	0 to 16 (external modules)	0 to 16 (external modules)	
Front ports		1 USB for configuration 1 USB for USB key		1 USB for configuration 1 USB for USB key	
Power supply		24-250 VDC ; 100-230 VAC		24 - 48 VDC or 48-250 VDC ; 100-230 VAC	
Ambient temperature, in service		-40 to 70°C (-40 to 158°F)		-40 to 70°C (-40 to 158°F)	
Communication					
Hardware modules	Extension(2) + Backup memory	●		●	
	Serial	●		●	
	Ethernet	●		●	
	2nd Ethernet	-		●	
Protocols	IEC 61850 Ed.1 & Ed.2	●		●	
	IEC 60870-5-103 & 101	●		●	
	DNP3 Ethernet	●		●	
	DNP3 serial	●		●	
	Modbus Ethernet	●		●	
	Modbus serial	●		●	
	EtherNet IP	●		●	
Redundancy protocols	RSTP	●		●	
	PRP / HSR	●		●	
Time synchronization	Pulse, IRIG-B(3)	●		●	
	SNTP, PTP IEEE 1588 v2(4)	●		●	
Others					
Control		6 controlled + 2 monitored objects Mimic		6 controlled + 2 monitored objects Mimic	
Logic (Matrix + Programmable logic)		●		●	
Optional Advanced Logic Engine		●		●	
Cybersecurity		Basic or Advanced		Basic or Advanced	
Draw-out device (withdrawability)		●		●	
Hardware dimensions (W/H/D)		102 / 176 / 219 mm 4.01 / 6.93 / 8.62 in		152 / 176 / 219 mm 6.0 / 6.93 / 8.62 in	

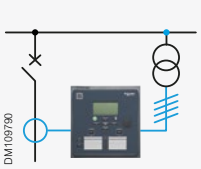
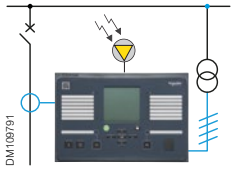
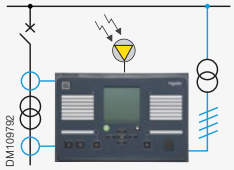
(1) In case P5U20 is choosen for cooperation with low power sensors, it contains LPCT (x3) and LPVT (x4) channels
(2) for connection of RTD module and IRIG-B module
(3) IRIG-B module is a separate accessory
(4) PTP IEEE 1588 v2 is availaible with HSR/PRP communication board

Protection relays

PowerLogic P3 Range

PowerLogic P3 contains

Two main devices, each with specific functions to address your needs in a one-box design, regardless of application.

	PowerLogic Easergy P3 Standard			PowerLogic Easergy P3 Advanced	
			 DM109790	 DM109791	 DM109792
Application					
Feeder	P3U10	P3U20	P3U30 with directional O/C with voltage protection	P3F30 with directional P3L30 line diff. & distance	-
Transformer				-	P3T32 with differencial
Motor				P3M30	P3M32 with differencial
Generator				P3G30	P3G32 with differencial

Characteristics

Measuring inputs	Phase current	1/5 A CT or LPCT (x3) (5)			1/5 A CT or LPCT (x3) (5)	1/5 A CT (x6)
	Residual current	1/5 A CT or 0.2/1 A CT or CSH 2 A/20 A			(1/5 A+0.2/1 A) CT (1/5 A + CSH 2/20 A)	2 x (1/5 A+0.2/1 A) CT, 1 x (1/5 A) CT
	Voltage	VT (x1)		VT (x4) or LPVT (x4) (5)	VT (x4) or LPVT (x4) (5)	VT (x4)
Arc-flash sensor input		-			Loop sensor: 1 Point sensor: 2, 4 or 6 (1) (2)	Loop sensor: 1 Point sensor: 2, 4 or 6 (1)
Digital	Input	2	10/8	14/16	6 to 36	6 to 16
	Output	5 + SF	5/8 + SF	11/8 + SF	10 to 21 + SF	10 to 13 + SF
Analogue	Input	-	0 or 4 (1)		0 or 4 (1)	
	Output	-	0 or 4 (1)		0 or 4 (1)	
Temperature sensor input		-	0 or 8 or 12 (1)		0 or 8 or 12 (1)	
Front port		USB type B			USB type B	
Nominal power supply		24 VDC or 24-48 VDC or 38.4-265 VDC or 48-230 VAC (4)			24 to 48 VDC or or 38.4-265 VDC or 110-240 VAC	
Ambient temperature, in service		-40 to 60°C (-40 to 140°F)			-40 to 60°C (-40 to 140°F)	

Communication

Rear ports RS232, IRIG/B, RS485, Ethernet		-	●	●	●	●
Protocols	IEC61850 ed1 & ed2	-	●	●	●	●
	IEC 60870-5-101 & 103	-	●	●	●	●
	DNP3 over Ethernet	-	●	●	●	●
	DNP3 serial	-	●	●	●	●
	Modbus serial	-	●	●	●	●
	Modbus over Ethernet	-	●	●	●	●
	Ethernet IP (6)	-	●	●	●	●
	Profibus DP	-	●	●	●	●
	SPAbus	-	●	●	●	●
Redundancy protocols (RSTP/PRP)		-	●	●	●	●

Others

Control	1 object 1 display	4 objects 4 display	4 objects 8 display	8 objects 3-8 display	
Logic (Matrix + Logic equation)		●		●	
Withdrawable CT connector with shorting		●		-	
Remote HMI		-		●	
Hardware dimensions (W/H/D)	171 x 176 x 214(3) mm / 6.73 x 6.93 x 8.43 in			264 x 177 x 208 mm / 10.39 x 6.97 x 8.19 in	

(1) Depends on optional module
(2) P3L30 can have 1 loop or 2 point sensors only
(3) 226 mm (8.90 in) with ring-lug connectors
(4) Check the available power supply range from the device's serial number label
(5) P3U30, P3F30, P3M30 relays only. Consult us for other models
(6) Consult us for availability

Protection relays

VIP, PowerLogic & MiCOM ranges

		VIP Relays VIP40/45 VIP400/410	PowerLogic P1 P1F/P1V	MiCOM P115 / P116
		 PM100511	 PM107253	 PE90624
Application				
Feeder	Phase and earth-fault	•	•	•
	With directional			
	With line differential			
	With distance			
Voltage	Voltage and frequency		•	
Transformer	Phase and earth-fault		•	•
	With transformer differential			
Motor	Phase and earth-fault			
	With voltage			
	With machine differential			
Generator	Phase and earth-fault			
	With directional			
	With machine differential			
Busbar	With busbar differential			
Capacitor bank				
Sensors		CSH (0.2 A to 2 In) LPCT	CT (1 or 5 A) or VT	CT (1 or 5 A)
Display		VIP 40/45: 4 digits display VIP 400/410: Gaphical LCD	Graphical LCD	16 characters LCD 2 lines
Other characteristics		Self/Dual Powered		Withdrawable hardware Self/Dual Powered
Input/Output (up to)		1/3	8/6	6/6
I/O terminals		Screw type	Screw type	Screw type
Temp. sensors (up to)				
Communication protocol		• Modbus RTU-RS485 (plug and play with T300) • IEC 60870-5-104 • IEC 60850 • DNP3	• Modbus RTU • IEC 60870-5-103	• Modbus RTU • IEC 60870-5-103
Logic equations				
Standards			IEC, EAC, UKSA	IEC, EAC

Protection relays

Sepam & Easergy MiCOM ranges

Sepam series 60	Sepam series 80	Easergy MiCOM P30	Easergy MiCOM P40
 PM105661	 PM105662	 PM108873	 8297098
•	•	•	•
•	•	•	•
		•	•
		•	•
•	•	•	•
•	•	•	•
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•	•	•	•
	•		•
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	•		•
			•
•	•		
• CT (1 or 5 A) or LPCT • VT	• CT (1 or 5 A) or LPCT • VT	• CT (1 or 5 A) • VT	• CT (1 or 5 A) • VT
• Standard UMI • Remote UMI • Mimic based UMI	• Standard UMI • Remote UMI • Mimic based UMI	• Large color LCD type display with single-line diagram (mimic) • Remote UMI	• Standard UMI
Removable S/W cartridge	Removable S/W cartridge	• Multifunction; integrated Bay controller • High firmware/hardware variability	
28/16	42/23	80/45	32/32
• Screw type • Ring lug	• Screw type • Ring lug	• Screw type • Ring lug	Ring lug
8 to 16	8 to 16	10	10
• Modbus RTU • IEC 60870-5-103 • DNP3 • Modbus TCP/IP • IEC 61850 with GOOSE • RSTP	• Modbus RTU • IEC 60870-5-103 • DNP3 • Modbus TCP/IP • IEC 61850 with GOOSE • RSTP	• Modbus RTU • IEC 60870-5-101/103 • DNP3 • IEC 61850 with GOOSE • RSTP • PRP / HSR / DUAL-IP • IEC 6870-5-104	• Modbus RTU • IEC 60870-5-103 • DNP3 serial/DNP3oE • IEC 61850 with GOOSE • RSTP/SHP/DHP • HSR/PRP
Comprehensive logic equations	Control logic by ladder diagram	Comprehensive logic equations	Comprehensive logic equations
UL, CSA, EAC, ATEX	IEC 61508-SIL2, UL, CSA, EAC, ATEX	• Cyber security • IEC, EAC, ATEX	• Cyber security (IEC 62351) • IEC, UL, CSA, EAC, ATEX

Arc fault detection and protection

PowerLogic Arc protection range

Function

The arc protection unit detects an arc flash in an installation and trips the feeding breaker. An arc flash protection maximizes personnel safety and minimizes material damage caused by arc faults.

	PowerLogic Arc V121	PowerLogic Arc A1	PowerLogic Arc A3
	 PM105563	 PM110955	 PM110956 PM110957
System features	• Operation on light only • Up to 10 sensors arc or smoke sensors • Single trip contact • Straight-forward installation • Typical operation time 9 ms (including the output relay) • Cost efficient solution • Self-supervision • Binary input for blocking or resetting (programmable) the unit • Possibility for double arc channel activation trip criteria • BIO light transfer possibility to other Vamp device	Stand-alone arc flash protection light detection for typical configurations: • 4 Arc inputs (point sensors) • Integrated 48…230 VAC/DC power supply • High speed trip output (1 to 2 ms operation time) • 1 self supervision output • D-rail or flush mounting • Master trip I/O for simple arc selectivity • Direct installation with basic comissioning • Front status LEDs	Stand-alone and small system arc flash protection light detection for typical configurations supported by 4 commercial references: • 6 or 12 Arc inputs (point sensors) • Integrated 48…230 VAC/DC power supply • High speed trip output (1 to 2 ms operation time) • 1 self supervision output • D-rail or flush mounting • High speed bus to support selective protection between devices • Direct installation with basic comissioning • Front status LEDs
Sensors			
Point sensor - Surface	• Arc detection from compartments • Self-monitored • 6 m and 20 m cable lengths available	• Arc detection from compartments • Self-monitored • 6 m and 20 m cable lenghts available, shielded or not shielded	• Arc detection from compartments • Self-monitored • 6 m and 20 m cable lenghts available, shielded or not shielded
Point sensor - pipe	• Self-monitored • 6 m and 20 m cable lengths available	• Self-monitored • 6 m and 20 m cable lenghts available, shielded or not shielded	• Self-monitored • 6 m and 20 m cable lenghts available, shielded or not shielded
Portable sensor	• Snap-in connection to I/O unit • Enhanced work safety		
Loop sensor (fibre)			
Standards	IEC	IEC	IEC

Benefits

- Personnel safety
- Reduces production losses
- Extended switchgear life cycle
- Reduced insurance costs
- Low investment costs and fast installation
- Reliable operation

Arc fault detection and protection

Easergy Arc protection range

Easergy Arc V221 (+ I/O units)*	Easergy Arc V321 (+ I/O units)*
	
• Current and light tripping criteria (possibility of tripping by light only) • Typical operation time 7 ms (electromechanical contact) • Accurate location of arc fault utilizing point sensors • Four selective protection zones per system • Self-supervision of the entire system • Up to 160 sensors (with I/O modules) • Easy interconnect using VX001 cables • Phase current measuring • Earth fault current measuring • Personal portable sensor option • Panel or rail mount I/0 units • Circuit breaker fail protection (CBFP)	• Three phase current, zero sequence voltage and current • Event logs, disturbance recording and real time clock • Operation on simultaneous current and light or light only • Informative display LCD (single line diagram) • Up to four fast trip contacts • Direct light sensors and fiber optic up • Support up to 170 arc flash point sensors (with I/O modules) • One normally open and one change over alarm contact • Typical operation time: less than 7 ms (including the output relay) • Optionally 2 ms typical operation time when semi-conductor outputs are used • Programmable operation zones • Continuous system self supervision • PC configurable • Communication ports supporting a wide range of communication protocols which are intended for a SCADA interface
• Arc detection from compartments • Self-monitored • 6 m and 20 m cable lengths available	• Arc detection from compartments • Self-monitored • 6 m and 20 m cable lengths available
• Self-monitored • 6 m and 20 m cable lengths available	• Self-monitored • 6 m and 20 m cable lengths available
• Snap-in connection to I/O unit • Enhanced work safety	• Snap-in connection to I/O unit • Enhanced work safety
• Monitors various compartments • Small bending radius for easy installation	• Monitors various compartments • Small bending radius for easy installation
IEC	IEC

- Personnel safety
- Reduces production losses
- Large scale installation like substation
- Reduced insurance costs
- Low investment costs and fast installation
- Reliable operation

* I/0 units: 4 ref. available (VAM 3L, VAM 10L/LD, VAM 12L/LD, VAM 4C/CD).
The choice is to be made according to the needs of type and number of sensors. Please contact us.

MV-LV substation remote control & monitoring

PowerLogic T300

Advanced Supervision and Control of Medium Voltage & Low Voltage Distribution system

PowerLogic T300: A modular RTU solution for any kind of applications


PM104388

Developed according to IEC 62443-4-2, PowerLogic T300 has been designed with a cyber security package. This shall help reduce exposure to cyber threats and improved operational security. It includes important features such as password management, firmware signature, port hardening, and secured communication compliant to the latest international standards.

Main functions	MV network remote control of All UG and OH equipment : Fault Location Isolation system and restoration for all neutral system - centralized and decentralized network management	
	• LV switchboard monitoring • Voltvar optimisation support	• MV and LV power and quality measurement • Thermal monitoring and asset management
Main modules	• HU250 - Head unit communication/gateway • SC150 - MV Switch controller	• LV150 - Transformer and LV monitoring • PS100/PS50 - Wide range of backup power supply • SC160 Switchgear Controller
Protocols	• IEC 60870-5-101/104 slave and master (standard and secure) • DNP3 serial and TCP slave and master	• Modbus serial and TCP slave and master (standard and secure) • IEC 61850 slave and master
Transmission system	• Two flexible communication ports accommodated with modem boxes: - RS232/RS485 modem box for WAN or LAN communication - 2G/3G modem box for WAN communication - 4G European and US standard modem box with GPS clocks for accurate time synchronization • Two Ethernet ports (for WAN and LAN communication) - 1 Ethernet port for WAN communication - 1 Ethernet port for LAN communication with third party devices • 1 serial RS232/RS485 for Modbus LAN communication • Zigbee Modem for communication with thermal sensors • Secure WiFi for local connection	
Standards	IEC	

Benefits

- PowerLogic T300 adress the follow customer challenges:
  - Evolve with the grid: manage bidirectional and intermittent power flow
  - Increase availibility: improve SAIDI and optimise MV networks
  - Maintain power quality
  - Manage the costs: reduce installation, operation and maintenance expenditures
  - Deliver efficiency: optimise network to manage growing consumption
  - Improve Cybersecurity: help defend against malicious software and unauthorised access
- PowerLogic T300 is a modular FRTU platform, hardware, firmware. Modular approach ensures T300 will be configurable to your exact needs e.g. packaged solutions, embedded solutions, open solutions
- This open architecture supports different applications, from a single communication gateway to large substation management
- Built-in web server for commissioning and maintenance with local and remote access, compatible with PC, tablet and smartphone devices
- High availability back up power supplies range PS100/50/25 for control and monitoring applications

MV-LV substation remote control & monitoring

PowerLogic T300

PowerLogic HU250
Head unit communication - Gateway


PM104385

PowerLogic SC150
MV Switch controller


PM104382

Functions

- Flexible communication to control centre and other customers' IT applications
- Open peer-to-peer communication for self-healing applications*
- Open to third-party devices with many protocol capabilities
- Embedded IEC 601131-3 PLC for automation design
- Cyber security management: Compliance to the security standards/regulations (IEC 62351/IEEE 1686)
- Configurable Sequence of Events (SOE) for data logs
- Software integrity with firmware signature on all modules:
  - Secure communication between Easergy T300 and associated webserver tool with local or remote connections using HTTPS, SSH, SFTP
  - User identification and authentication according to IEC 62351-8
  - User access management according to IEC 62351-8
  - Communication authentication according to IEC62351-5 when using DNP3 and IEC60870-5-104 protocols
  - Port hardening management.
  - IP communication filter
  - Security events log storage and transmission according to Syslog protocol

Easergy SC150 – Switchgear controller

- Control and monitoring of all switchgear types
- Advanced Fault Passage Indicator (FPI) algorithms:
  - Phase-phase and phase-ground detection ANSI 50/51, 50N/51N
  - Directional phase-phase and phase-ground detection ANSI 67/67N
  - Broken conductor detection (one phase lost) ANSI 47
- MV Voltage monitoring ANSI 27, 59, 59N
- MV Current monitoring ANSI 37
- Directional active overpower detection ANSI 32P
- Large current and voltage measurement capabilities: standard CT for current, LPVT, VT and from capacitor divider and voltage presence indicator (VDS, VPIS) for voltage
- Power measurement according to IEC 61557-12
- Power quality according to IEC 61000-4-30 class S
- Specific application automation: sectionalizer
- Disturbance recording

* Consult us for availability

PowerLogic LV150
Transformer and LV monitoring


PM104381

PowerLogic SC160
Switchgear controller


PM108159

Functions

- Current and voltage measurements according to IEC 61557-12
- Broken conductor detection 47BC
- Power quality according to IEC 61000-4-30, Class S
- Transformer temperature monitoring

Easergy SC160 is a modular switchgear controller configurable as protection with Circuit Breaker (CB) use or Fault current indicator with Low Break Switch (LBS) use.

- Control and monitoring of all switchgear types
- Protection or fault passage indication function:
  - Phase overcurrent (ANSI 50/51)
  - Ground/earth fault overcurrent (ANSI 50N/51N)
  - Directional phase overcurrent fault (ANSI 67)
  - Directional ground/earth fault overcurrent (ANSI 67N)
  - Cold load pickup
  - Inrush restraint

Substation power supply

PowerLogic PS100 and PS50

	PowerLogic PS100 Control & Monitoring	PowerLogic PS50 Monitoring
	 PM100615	 PM104366
Functions	The PowerLogic PS100/PS50 power supplies, associated with a backup battery, are designed to maintain control and monitoring of the entire MV substation during long power supply interruptions (up to 48 hours). They are designed to supply: • MV switchgear motor mechanism and circuit-breaker coils • Transmission equipment (e.g. radio) • Electronic modules of T300 • All other devices in MV/LV substations (Protection relays, Fault Passage Indicators or others IEDs, low voltage breakers, PLC concentrators, etc.)	
Power supply outputs	• 12 VDC, 18 W permanent and 100 W/20 s (for modem, radio, RTU, etc.) • 48 VDC or 24 VDC 90 W permanent (for protection relays, electronic devices, etc.) and 300 W/1min. (for switchgear operating mechanism motors)	• 12 VDC, 18 W permanent for telecom equipment • 12 VDC, 36 W permanent for IEDs • 48 VDC or 24 VDC 10 W permanent (for protection relays, electronic devices, etc.) and 300 W/1min (for switchgear operating mechanism motors).
Protocols	Modbus RS485	Modbus RS485
Standards	IEC 60255-5 (10 kV level)	IEC 60255-5 (10 kV level)
Benefits		
	• High availability due to the separate voltage output for telecom and motor	• High availability due to the separate voltage output for IEDs, telecom and motor
	• High efficiency and high energy backup autonomy • Designed for severe environment with higher insulation (10 kV) • Easy maintenance with only one battery, 24 Ah or 38 Ah robust life span (> 10 years) • Modbus communication for battery monitoring to allow optimised maintenance operations	
	• Battery charging and monitoring for longer battery life • Battery end-of-life monitoring and anticipated maintenance • Designed for long outage time	

Voltage presence relay

Easergy VD23

Easergy VD23

Functions

- Indicates presence or absence of voltage through 1 or 2 relays
- For MV networks from 3 kV to 36 kV
- Associated with VPIS-VO V2 (see next page)

Technical specifications

- Self-adapted to network voltage
- Displays the voltage in % of nominal
- Output contacts behaviour configurable according to various combinations of phase and unbalance voltage status
- DIN format
- Allows to address various applications:
  - Automatic transfer systems
  - Alarms on voltage loss
  - Automation on voltage loss
  - Earth locking on voltage presence
  - Alarms on voltage presence

Reference numbers

- Voltage presence relay (VD23): ref. EMS58421
- Combined voltage presence relay + Fault Passage Indicator (Flair 23DM): ref. EMS58355

Standards

IEC

Benefits

- Fits all MV network neutral systems
- Compact (DIN format)
- Output contact behavior highly configurable according to application needs

Voltage Presence Indicators

PowerLogic VPIS* Range

	PowerLogic VPIS V2	PowerLogic VPIS V3	Phase Concordance Unit VPI62421
	 PM106903	 PM106733	 PM107048
Functions	• Self-powered Voltage Presence Indicator System (VPIS) • Including voltage output version (VPIS-VO) for connection to: - Flair 2xD, VD23 voltage presence relay (VPIS V2) - T300 (VPIS V3) • Needs phase concordance unit for phase concordance checking (reference VPI62421)		
Technical specifications	• Plugs on the front panel allowing to use a phase concordance unit. A colored removable rubber joint (black for VPIS V2 and green for VPIS V3) closes these plugs to prevent penetration of humidity, salted spray, ... • Light indication using LEDs • Made in 2 parts: surge protection part, always connected and voltage presence indication part, replaceable for maintenance • VPIS V2 voltage sensing to Flair 22D, 23D or 23DM for fault detection on compensated and isolated networks and voltage sensing for VD23 or Flair 23DM Voltage presence relay functions • VPIS V3 voltage sensing to T300 for voltage presence/absence detection, phase and earth directional fault detection and basic measurement		
Reference numbers	• 18 VPIS variants of each VPIS version (9 variants each for VPIS & VPIS-VO): - without Voltage Output: VPI62401 to VPI62409 for VPIS V2 variants VPI62601 to VPI62609 for VPIS V3 variants - With Voltage Ouptut: VPI62411 to VPI62419 for VPIS V2 variants VPI62611 to VPI62619 for VPIS V3 variants • These are selected based on: - Network nominal voltage - Value of capacitive sensor used inside the MV cubicle - Network frequency		
Standards	IEC 62271-206		

Benefits

- High reliability thanks to:
  - Harsh environment design
  - LED indication: extended lifetime
- Provides Voltage sensing for basic (Voltage relay) to advanced (directional detection) functions

* VPIS: Voltage Presence Indicator System

Fault Passage Indicators

PowerLogic Flair range

PowerLogic
Flair 21D-22D-23D-23DM

Functions	• Provides phase and earth fault local indication on MV-LV underground network • Ammetric FPI, self powered by measurement sensors, integrated in MV switchgear or in wall-mounted box
Detection	Phase and earth fault
Setting	By dip switches or menu on LCD display
Installation	Embedded in the switchgear
Earthing system	Direct, impedant, compensated, isolated
Supply	Self powered by current sensor and 3 backup supply solutions when network is dead: • Super capacitor (Flair 21D) • Li battery (Flair 22D) • External VDC supply (Flair 23D/23DM)
Measurement	• Ammeter • Maxmeter
Communication	• Dry output contact (Flair 21D-22D-23D-23DM) • Modbus RS485 (23DM)
Standards	IEC

Benefits

All-In-One device:
- Reliability
- Single configuration and diagnostic tool

Opens the door to the most advanced Smart grid monitoring needs

Energy management and control

Basic and advanced meters

	Basic panel meters	Basic energy meters	Basic panel meters	Advanced meters
	AMP/VLT	**IEM3200 series**	**PM5100/5300/ PM5500/5600/5700**	**PM8000**
	 PB101118	 PB115488	 PB111776	 PB113683
Function		kW/h meters	Metering and sub-metering	Energy and intermediate power quality meter
		• IEC 62053-22 Class 0.5S • IEC 62053-21 Class 1 • IEC 62053-23 Class 2 • IEC 61557-12 • EN 50470-1/3	• IEC 62053-22 Class 0.5S • IEC 62053-22 Class 0.2S (PM55xx) • IEC 62053-23 Class 2 • IEC 61557-12 • EN 50470-1/3 • ANSI C12.20 Class 0.2 & 0.5	• IEC 61557-12 • IEC 62053-22 Class 0.2S • IEC 61000-4-30 Class A • IEC 62856-1 • ANSI C12.20 Class 0.2 • PMD /Sx/K70/0.2
Applications				
Panel instrumentation	I/U	I, U, F, P, Q, S, PF, E alarm, I/O, enegy	I, U, F, P, Q, S, PF, E min/max, harm., alarm, I/O (I, U, unbalance, demand, clock/cal)	I, U, F, P, Q, S, PF, E, THD min/max, harm., alarm, I/O (I, U, unbalance, demand, clock/cal)
Energy efficiency and cost				
Sub-billing & cost allocation	•	•	•	•
Demand and load management				•
Billing analysis				•
Power availability and reliability				
Harmonics			•	•
Dip/swell, transient				•
Compliance monitoring				•
Revenue metering				
Characteristics				
Measurement accuracy (active energy)	• Class 1.5	• Class 0.5S/Class 1	• Class 0.2S (PM55xx) • Class 0.5S	• IEC 61053-22 Class 0.2S • ANSI 12.20 Class 0.2S
Installation	• Flush mounted 72 x 72 mm 96 x 96 mm	• DIN rail 5 or 7 x 18 mm modules	• Flush mounted 96 x 96 mm. Remode display option in PM55xx	• Flush & DIN rail mounted 96 x 96 mm
Voltage measurement	VLT: 500 VAC direct or external VT	• 50 V to 330 V (Ph-N) • 80 V to 570 V (Ph-Ph) • Up to 1 MVAC (ext VT)	• 20V L-N/35V L-L to 400V L-N/ 690V L-L • Up to 1 MVAC (ext VT)	• 57-400 VAC L-N 3P (100-690 VAC L-L)
Current measurement	• AMP: external CT	• External CT	• External CT	• External CT
Communication ports		• Modbus serial • BACnet IP • M-bus • LON works	• Modbus serial • Modbus TCP/IP • Ethernet IP • BACnet IP • DNP 3.0	• Modbus RTU • Modbus TCP • ION • DNP 3.0 • HTTPS • SFTP
Inputs/Outputs		• 2 I/O	• 4 I/O, Relay Option • 6 I/O (PM55xx)	• Up to 27 DI, 9 DO • Up to 16 AI, 8 AO
Memory capacity			256 kB & 1.1 MB (PM55xx)	• Advanced: 512 MB (64 DR) • Standard: 512 MB (50 DR) • Essential: 64 MB (10 DR)

Energy management and control

Advanced and utility meters

Advanced meters | Utility meters

ION7400	ION9000	ION8650 A/B/C	ION8800 A/B/C
 PB115151	 PB115917/PB115914	 PB107500	 PE86145
Energy and basic power quality meter	Energy and advanced quality meter	Energy and power quality meter	Energy and power quality meter
• IEC 61557-12 • IEC 62053-22 • IEC 61000-4-30 Class A • ANSI C12.20 Class 0.2 • PMD /Sx/K70/0.2 • IEC 62586-1	• IEC 61557-12 • IEC 62053-22 Class 0.1S • IEC 61000-4-30 Class A • IEC 62856-1 / IEC 62856-2 - PQI class A • ANSI C12.20 Class 0.1 • PMD /Sx/K70/0.2	• IEC 62052-11 • IEC 62053-22/23 Class 0.2S • IEC 61000-4-30 Class A • ANSI C12.20 Class 0.1 • IEC 62586-2	• IEC 62052-11 • IEC 62053-22/23 Class 0.2S • IEC 61000-4-30 Class A
I, U, F, P, Q, S, PF, E, THD min/max, harm., alarm, I/O (I, U, unbalance, demand, clock/cal, flicker)	I, U, F, P, Q, S, PF, E, THD min/max, harm., alarm, I/O (I, U, unbalance, demand, clock/cal)	I, U, F, P, Q, S, PF, E (demand, min/max values, unbalance, flicker, transient, sag/swell)	I, U, F, P, Q, S, PF, E (demand, min/max values, unbalance, flicker, transient, sag/swell)
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•	•	•	•
•	•	•	•
• IEC 62053-22 Class 0.2S • ANSI 12.20 Class 0.2S	• IEC 61053-22 Class 0.1S • ANSI 12.20 Class 0.1S	• IEC 62053-22 Class 0.2S • ANSI 12.20 Class 0.1	• Class 0.2S
• Flush & DIN rail mounted 96 x 96 mm	• DIN rail mounted	• ANSI socket mounting 9S, 35S, 36S, 39S and 76S • FT21 switchboard case	• DIN 43862 rack
• 57-400 VAC L-N 3P (100-690 VAC L-L)	• 57-400 VAC L-N 3P (100-690 VAC L-L)	• 57-277 V L-N AC (9S, 36S); 100-480 V L-L AC (35S)	• 57-288 V L-N AC or 99-500 V L-L AC
• External CT	• External CT	• External CT	• External CT
• Modbus RTU • Modbus TCP • ION • DNP 3.0 • DLMS • HTTPS • SFTP	• Modbus RTU • Modbus TCP • ION • DNP 3.0 • DLMS • HTTPS • SFTP	• Modbus RTU • Modbus TCP • ION • DNP 3.0 • DLMS • SFTP • HTTP	• Modbus RTU • Modbus TCP • ION • DNP 3.0 • DLMS • FTP • HTTP
• Up to 27 DI, 9 DO • Up to 16 AI, 8 AO	• Up to 32 DI, 4 DO, 10 RO • Up to 16 AI, 8 AO	• Up to 22 I/O	• Up to 16 I/O
• Advanced: 512 MB (64 DR) • Standard: 512 MB (50 DR) • Essential: 64 MB (10 DR)	2 GB	A: 128 MB B: 64 MB C: 32 MB	• Up to 10 MB

Energy management and control

EcoStruxure Panel Server

	Entrance PAS400	Universal PAS600
	 DB410978	New  DB410983
Function	Function All-in-one gateway devices concentrator with wireless and/or Modbus RS485 to Modbus TCP platform, capable of connecting multiple, simultaneous edge control or cloud applications. • Connect to your monitoring and control software such as EcoStruxure™ Power Monitoring Expert, EcoStruxure™ Power Operation or to your Building Management System • Connect to Schneider cloud applications such as Facility Expert or Asset Advisor	
Characteristics		
Power Input	110-277 VAC/DC	110-277 VAC/DC, 110-240 VAC/DC, 24 VDC, POE (Power over Ethernet)
Storage temperature	-40°C to +85°C	-40°C to +85°C
Operating temperature	-25°C to +60°C	-25°C to +70°C
Humidity	⩽ 93%	⩽ 93%
Pollution degree	Class II	Class II Class III: PAS600L
Number of devices – Total	20	85(2)
Number of devices – PowerTag Energy & Ambient(1)	20	85(2)
Number of devices – Other types of devices(1)	20	85(2)
External IEEE 802.15.4 – Antenna		???
Modbus RS485 Master – Max. number of devices w/o repeater	N.A.	32
Modbus RS485 Master – Max. number of devices with repeater	N.A.	128
Modbus RS485 Master – Maximum Length	N.A.	1000 m
Modbus RS485 Master – Baudrate	N.A.	1200; 4800; 9600; 19200; 38400; 57600; 115200
Communication	Ethernet 10/100base T; Wi-Fi; TCP/IP; IP V4 / IP V6; DPWS; DHCP; Modbus/TCP Server; Modbus/TCP Client(3); Schneider Cloud Services; HTTPS; External Wi-Fi/ Bluetooth Antenna(3); GPRS/3G/4G; PPoE (PAS800P)	
Standards	IEC 61010; IEC 61010-1; IEC 61010-2-201; UL 61010; UL 61010-1; UL 61010-2-201; CSA C22.2 No 61010-1-12; CSA C22.2 No 61010-2-201; IEC 62974-1; IEC 62443-4-1: IEC 61326-1; EN 301-489-1; EN 301-489-17; EN 55032; CISPR 11; EN 300-328; IEEE 802.15.4; IEEE 802.11b/g/n; IEEEE802.3 af/at (PAS600P, PAS800P)	

Benefits

- Easy installation
- Easy commissioning with EcoStruxure Power Commission, a single tool that auto discovers, configures, tests and maintenance
- Embedded web pages for real time, complete and accurate views into power network energy and operations efficiency
- Enhanced cybersecurity design at every phase of the product life cycle

(1) Consult the User Manual or other documentations to check the limit applicable to your wireless device
(2) Lower limits may apply depending the firmware version, consult the User Manual, Release Notes or other documentations
(3) Only Universal PAS600 and Advanced PAS800
(4) Only Advanced PAS800

Energy management and control

EcoStruxure Panel Server

Universal Wired by Design PAS600WD	Advanced PAS800
New  DB410983	 DB410992
Function All-in-one gateway devices concentrator with wireless and/or Modbus RS485 to Modbus TCP platform, capable of connecting multiple, simultaneous edge control or cloud applications. • Connect to your monitoring and control software such as EcoStruxure™ Power Monitoring Expert, EcoStruxure™ Power Operation or to your Building Management System • Connect to Schneider cloud applications such as Facility Expert or Asset Advisor	
24 VDC, POE (Power over Ethernet)	110-277 VAC/DC, 24 VDC, POE (Power over Ethernet)
-45°C to +85°C	-40°C to +85°C
-25°C to +85°C	-25°C to +70°C
⩽ 93%	⩽ 93%
Class II: PAS600PWD Class III: PAS600LWD	Class II: PAS800P, PAS800 Class III: PAS800L
-	85(2)
-	85(2)
-	85(2)
-	PASA-ANT1
32	32
128	128
1000 m	1000 m
-	1200; 4800; 9600; 19200; 38400; 57600; 115200
Ethernet 10/100base T; PPPoE (PAS600PWD)TCP/IP; IP V4 / IP V6; DPWS; DHCP; Modbus/TCP Server; Modbus/TCP Client(3); Schneider Cloud Services; HTTPS; External	Ethernet 10/100base T; Wi-Fi; TCP/IP; IP V4 / IP V6; DPWS; DHCP; Modbus/TCP Server; Modbus/TCP Client(3); Schneider Cloud Services; HTTPS; External Wi-Fi/Bluetooth Antenna(3); GPRS/3G/4G; PPoE (PAS800P)
IEC 61010-2; UL 61010-2; CSA C22.2; IEC 62974-1; IEC 62443-4-1; IEC 61326-1; EN 301-489; EN 55032; CISPR 11; EN 300-328; IEEE 802.15.4; IEEE 802.11 a/b/g/n; IEEE 802.3 af/at (PAS800P)	IEC 61010; IEC 61010-1; IEC 61010-2-201; UL 61010; UL 61010-1; UL 61010-2-201; CSA C22.2 No 61010-1-12; CSA C22.2 No 61010-2-201; IEC 62974-1; IEC 62443-4-1: IEC 61326-1; EN 301-489-1; EN 301-489-17; EN 55032; CISPR 11; EN 300-328; IEEE 802.15.4; IEEE 802.11b/g/n; IEEEE802.3 af/at (PAS600P, PAS800P)

- Easy installation
- Easy commissioning with EcoStruxure Power Commission, a single tool that auto discovers, configures, tests and maintenance
- Embedded web pages for real time, complete and accurate views into power network energy and operations efficiency
- Enhanced cybersecurity design at every phase of the product life cycle
- PAS800 only: 3 Years Data historization, energy monitoring and trending capabilities

Low Voltage protection

Acti**9** range

	Acti9 iC60N	Acti9 C60H-DC	Electrical auxiliairies OF	Electrical auxiliairies SD
	 PB104440-35 PB104445-35	 PB107193-34 PB107193-34	 PB104474-35	 PB104476-35
Function	DIN rail miniature circuit-breakers. Circuit-breaker used in auxiliary power supply circuits providing overload and short-circuit protection	DIN rail miniature circuit-breakers. Circuit-breaker used in auxiliary power supply circuits providing overload and short-circuit protection	Open/ closed contact	Fault signalisation contact
Rated voltage	• 1P/1P+N: 12 to 240 VAC • 2P/3P/4P: 12 to 440 VAC	• 1P: 24 to 250 VDC • 2P: 24 to 500 VDC	• 240 to 415 VAC • 24 to 30 VDC	
Number of poles	1, 1P+N, 2, 3, 4	1 or 2		
Nominal current	0.5 to 63 A	0.5 to 63 A	Maximum operating current: 10 mA mini, 6 A maxi 24 VDC 6 A 48 VDC 2 A 60 VDC 1.5 A 130 VDC 1 A 24 to 240 VAC 6 A 415 VAC 3 A	
Connection	Screw	Screw	Screw	
Standard	IEC/EN 60947-2	IEC/EN 60947-2	IEC/EN 60947-5-1	
Type of loads				
Tripping curves				
Standard	C (8 In ± 20%)	C (8.5 In ± 20%)		
Inrush current	D (12 In ± 20%)			
Electronics or high cable lenght	B (4 In ± 20%)			

Benefits

The Acti 9 circuit-breaker is recognised in over 100 countries for its quality and the breadth of its range, making it an indispensable component for your Low Voltage cabinet with complete peace of mind.

Low Voltage relays

Zelio relays

Function Designed for the adaptation, amplification, multiplication and processing of information in automated systems	Miniature relays RXM	Universal relays RUM
		
Switching voltage	12/24/48/110/125/220 VDC 24/48/120/230/240 VAC	12/24/48/60/110/125/220 VDC 24/48/120/230 VAC
Number of contacts	2, 3 or 4 CO	2 or 3 CO
Current	3 - 6 - 10 - 12 A	10 A
Mounting	Plugs into socket (DIN rail)	Plugs into socket (DIN rail)
Standards	IEC 61810-1	IEC 61810-1

Benefits

- Wide choice of number of contacts (up to 4)
- Simplicity of installation and maintenance
- Push-in wiring in RXM family
- Standardization of relay pin arrangement on its socket
- Lockable test button to close manually the contacts and test the application during commissioning or debugging phase
- Clear indication of the contact status by mechanical flag, and power on coil by LED

Low Voltage control and signalling

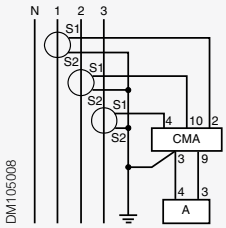
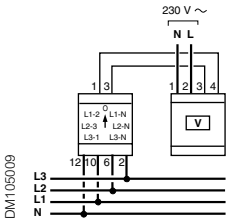
Pushbuttons & Switches

	XB7	ZB5/XB5	ZB4/XB4	K1/K2
Standard version				
Function: Enables operation of the Low Voltage circuits of the Medium Voltage cubicle				
Illuminated version: Pushbuttons/Pilot lights/Switches				
Function: Provides status information and enables control of Low Voltage circuits				
Mounting hole	22	22/30	22/30	16/22
Material	Plastic	Plastic	Metallic	Plastic or metallic
Head shape	●	●	●	■
Composition type	Unibody	Modular	Modular	Modular
Panel fixing	Plastic nut	Plastic nut	3 points metal	Plastic nut or 4 screws
Degree of protection	IP65	IP66, IP67, IP69, IP69K	IP66, IP67, IP69, IP69K	IP40/IP65
Rated insulation voltage	250 V	600 V	600 V	690 V
Standards	250 V	600 V	600 V	690 V
Standard & Illuminated versions	• UL/CSA, IEC, CCC, UAC	• UL/CSA, IEC, CCC, EAC • Marine: BV, LROS, DNV, GL	• UL/CSA, IEC, CCC, EAC • Marine: BV, LROS, DNV, GL	• UL/CSA, IEC

Benefits	
Standard version	• Easy to select and install • A wide choice of functions • Robustness and mechanical durability • High protection degree • Excellent aesthetics and ergonomics
Illuminated version	• Long life resistance (LED technology) • True colors and excellent brightness • A wide choice of voltages • High protection degree • Easy mounting

Low Voltage control and signalling

Selector switches

	CMA	CMV
	 	 
Function	CMA uses a single ammeter (by means of Current Transformers) for successive measurement of the currents of a three-phase circuit	CMV uses a single voltmeter for successive measurement of voltages (phase-to-phase and phase-to-neutral) of a three-phase circuit
Mechanical switching cycles	2 000 000	2 000 000
Electrical switching cycles	100 000	100 000
Max. rated voltage		500 V
Max. rated current	20 A	
Mounting	48 x 48 Flush mounted	48 x 48 Flush mounted
Standards	IEC 60947-3	IEC 60947-3
Benefits		
	• AgNi contact ensures mechanical durability • IP 65 on front face	

Discover more products on www.se.com

Legend panels

3 phase pilot lights

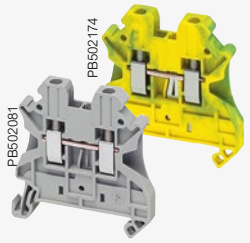
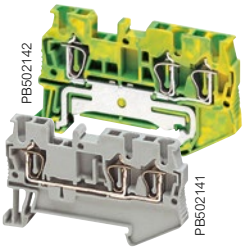
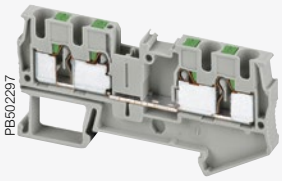
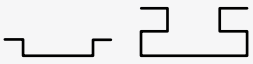
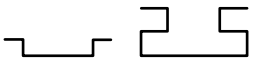
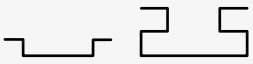
Diam 12/10/8 pilot lights

New signaletic pilot lights from XA2 (Not UL certified)

Harmony Hub + Temperature sensors & current monitoring

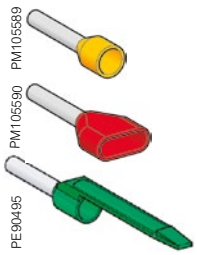
Low Voltage control and signalling

Linergy TR - Terminal blocks

	NSY TRV	NSY TRR	NSY TRP
			
Function	Ensures connection of Low Voltage cables or wires	Ensures connection of Low Voltage cables or wires	Ensures connection of Low Voltage cables or wires
Technology	Screw clamp technology	Spring clamp technology	Push-in technology
Connection functions	• Passthrough (2.5 - 150 mm²) • Protective earth • Disconnect type (blade or fuse) • Double deck, multi-pole • Multifunction • Neutral disconnect	• Passthrough (2.5 - 35 mm²) • Protective earth • Disconnect type (blade or fuse) • Double deck, multi-pole	• Passthrough (2.5 - 4 mm²) • Protective earth • Disconnect type (blade or fuse) • Double deck, multi-pole
Conductor nominal c.s.a. (cross section area)	2.5 mm² to 150 mm²	2.5 mm² to 35 mm²	2.5 mm² and 4 mm²
Number of poles	1 - 1 x 1/1 - 2 x 2 2 - 1 x 1/3 - 1 x 1	1 - 1 x 1/1 - 1 x 2/1 - 2 x 2 2 - 1 x 1/2 - 1 x 2/3 - 1 x 1	1 - 1 x 1/1 - 1 x 2/1 - 2 x 2 2 - 1 x 1/2 - 1 x 2/3 - 1 x 1
Clip-on mounting on rail type			
Certifications	UL, CSA, VDE, ATEX, LR, GL, DNV, EAC	UL, CSA, VDE, ATEX, LR, GL, DNV, EAC	UL, CSA, VDE, ATEX, LR, GL, DNV, EAC
Benefits			
	Rugged and reliable This technology not only provides quality, safety and availability of equipment but optimizes installation setup and operation with their simple integrated functions	**Cost effective (quick and reliable)** Spring technology is a maintenance-free connection method assuring separation of mechanical and electrical functions. It also eliminates the need for regular re-tightening	**Quick and innovative** Solid conductors or conductors with cable-ends can be directly inserted into the terminal block without tools. The actuation lever can be operated with any tool for releasing conductors

Low Voltage control and signalling

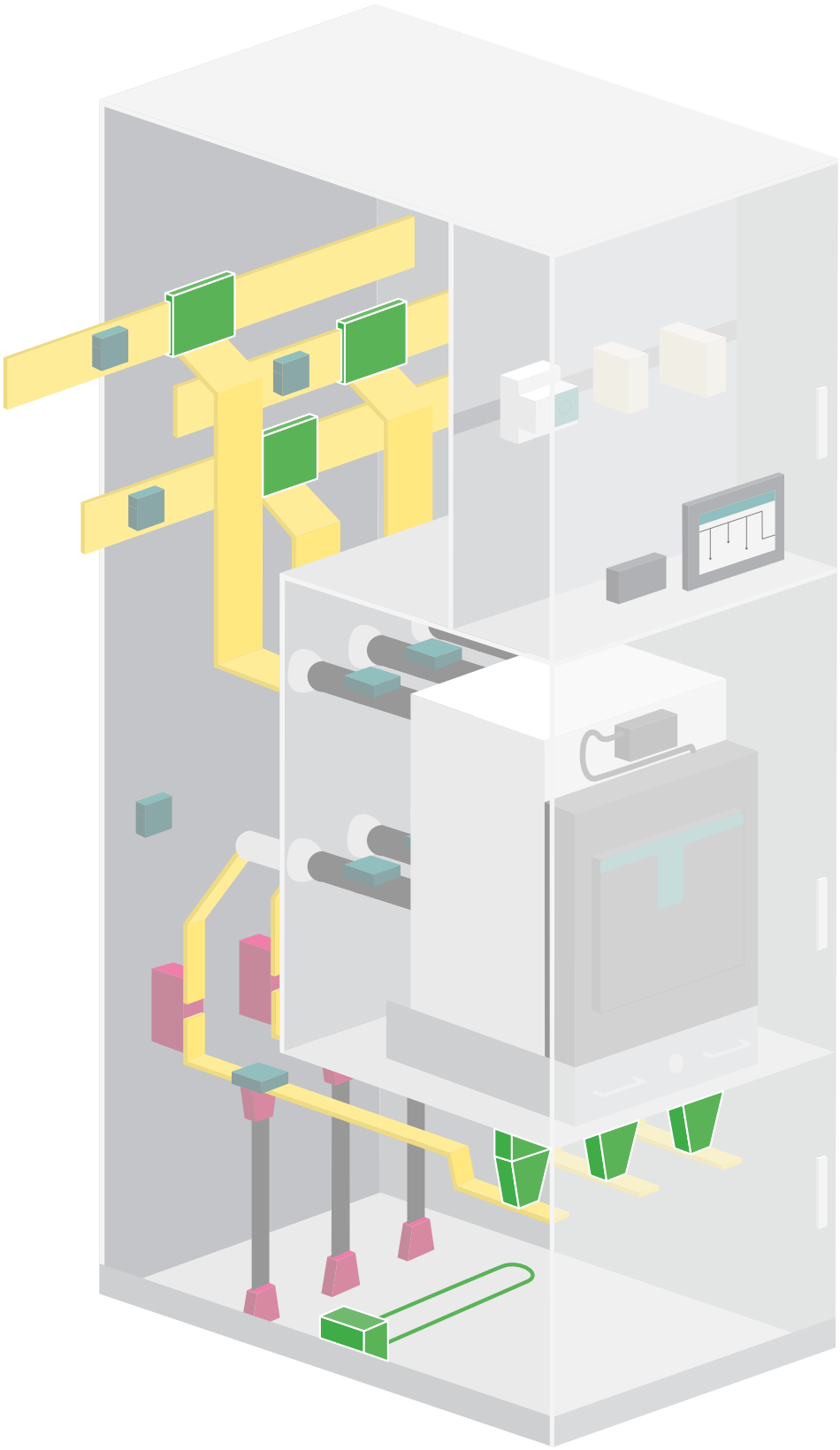
Linergy TR - Terminal blocks

	Cable ends
	
Function	• Facilitates the insertion of wires into the terminals and assures the insulation between adjacent connection • Allows the identification of the wires
Technology	Insulated cable ends
Connection functions	Four available versions: • Single conductor cable ends • Single conductor markable cable ends • Uninsulated cable ends • Twin conductor cable ends
Conductor nominal c.s.a. (cross section area)	0.25 mm² to 50 mm²
Certifications	UL, CSA

Benefits

Fast and reliable wiring

Use the AZ5 and DZ5 ranges of cable ends to simplify wiring and provide optimum electrical continuity between wire and terminal block.

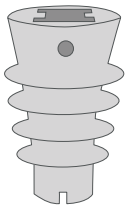


Accessories

Accessories

Accessories

Characteristics and references



PE90500-B?

Insulating holder with or without capacitive divider

Function

- **Without capacitive divider:** Provides mechanical support and insulation through their rigid fin arrangement; used to support busbars and cable ends
- **With capacitive divider:** Provides mechanical support and insulation. The embedded capacitors in this insulating holder provide voltage output to indicate the voltage presence, up to 24 kV

Technical specifications

- Height: 175 mm
- Capacitive divider: ISO 35 pf

Reference numbers

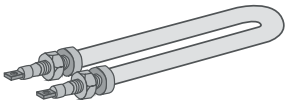
- **3 insulating holders:**
  - 17.5 kV ref. 59431
  - 24 kV ref. AAA10075
- **3 insulating holders with capacitive divider:**
  - 17.5 kV ref. 59430
  - 24 kV ref. AAA10074

Standards

IEC

Benefits

- Dielectric withstand
- Mechanical robustness



DE56927

Anti-condensation heating element

Function

Heating the inside of the cubicle when the ambient temperature is too low

Technical specifications

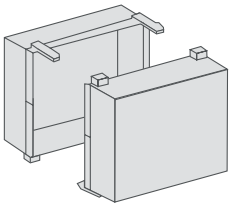
- 220 VAC
- 150 W
- Length: 432 mm
- Supplied with its support without thermostat

Reference numbers

59280

Benefits

Avoid condensation in the cubicle



DE90216

Insulation busbar cover

Function

Set of three insulating covers which enables improved dielectric withstand at the busbars connections in the cubicle

Technical specifications

For 1 to 4 busbars (100 mm x 800 mm each)

Reference numbers

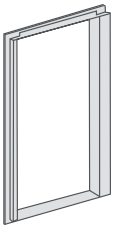
59420

Benefits

Can be adjusted according to number of busbars

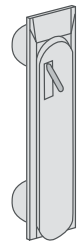
Accessories

Characteristics and references


DE90213

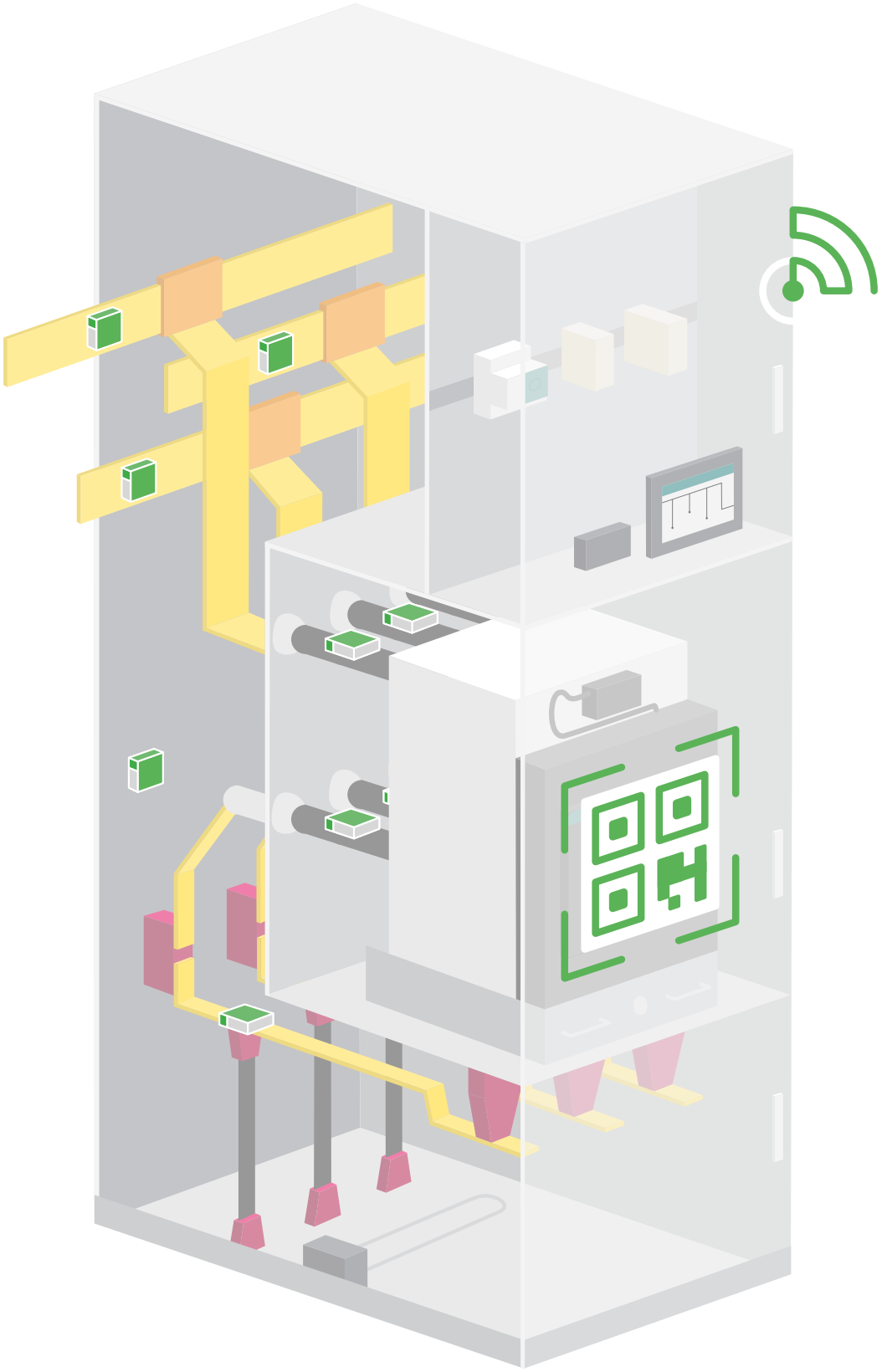
High resistance plastic window

Function	Located on the panel or the door, allows you to see inside a cubicle
Technical specifications	• 3 mm thick transparent polycarbonate window • Dimensions: 138 mm x 85 mm
Reference numbers	59105
Benefits	Internal arc withstand up to 31.5 kA


DE90214

Cubicle compartment handle

Function	Enables the front panel door of the cubicle to be closed
Technical specifications	• Material: Zamak • A version with key is available
Reference numbers	• 59270 (handle) • 59271 (handle with key)
Benefits	Robustness



Services

Services

Services for Panel Builders

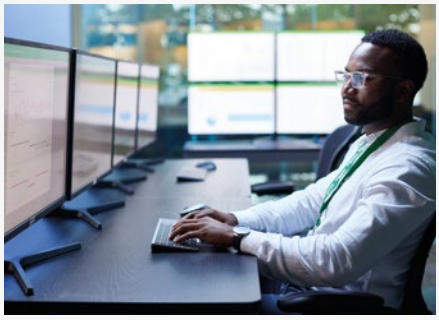
Increase your business

Business opportunities don't stop after your product is delivered. Be identified as a trusted partner throughout your product's entire life cycle.

The equipment has a long lifespan and your customer will need trusted partners and manufacturers like you to make their operations safe, reliable, efficient and sustainable. Take a step-by-step look at the world of Services and learn the advantages of becoming a Schneider Electric Services partner.

Resell an Innovative Services Plan to increase your business

EcoStruxure Service Plan is a personalized service contract that combines continuous environmental and asset health monitoring with advanced analytics, 24/7 remote technical support and uses expert consultants' advice in fire prevention, asset management and manufacturer field services execution.

Best of field services	Best of digital services	Peace of mind
PM110154 	PM110155 	PM110153 
On-site services are carried out by highly qualified technicians: • Preventive and corrective manufacturer maintenance • Proprietary diagnostics with ProDiag tools • 24/7 emergency support	Digital services are available using the EcoStruxure Asset Advisor platform: • Continuous asset monitoring with advanced analytics and alerts • Expert recommendations from our Connected Services Hub • Dynamic condition-based maintenance to optimize maintenance cycles	Service plans boost your peace of mind: • Reduce the risk of electrical failure by up to 75% • Extend the asset's lifetime by up to 25%
Optimize equipment's lifespan	Anticipate any actions and investment	Reduce risk of unscheduled downtime

Discover EcoStruxure Service Plan

Services for Panel Builders

Diversify your activity

Perform maintenance services to diversify your activities

Upgrade electrical equipment with simple smart sensors kits

For existing installed base panels and future installations

EcoFit™ Life Extension Essential offers upgrade solutions that use smart sensors to transform your non-communicating equipment into connected assets and captures information on your electrical installation's health.

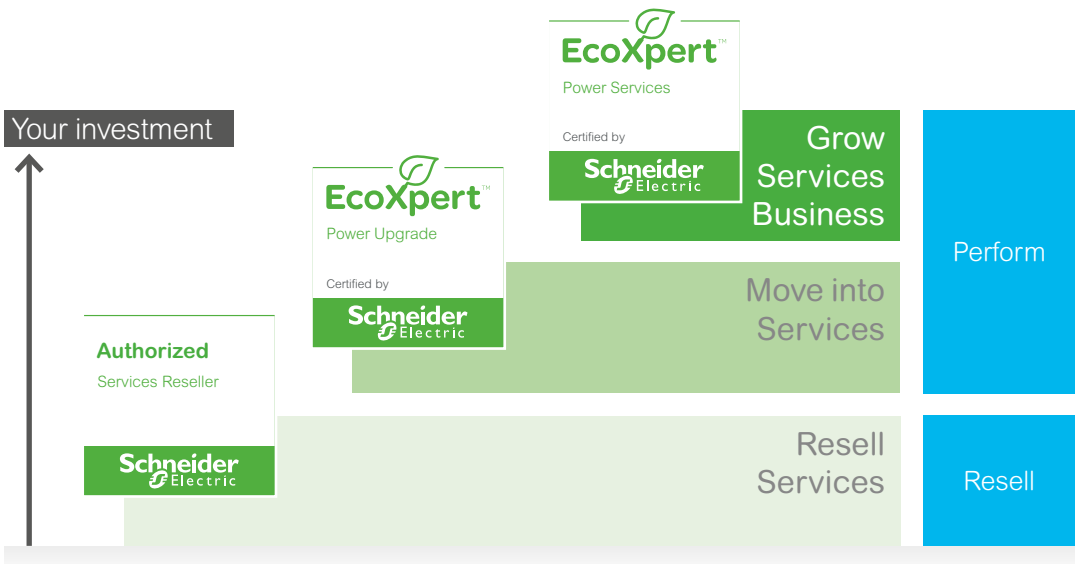
Discover EcoFit™ Life Extension Essential

Gain field expertise by becoming an EcoXpert Power Services partner

EcoXpert Power Services partners are trained on our field and digital services offers and use diagnostic tools to maintain optimal services continuity on electrical MV and LV installations. Partners have the expertise to modernize brownfield installations and implement connected equipment with digital capabilities and a remote cloud platform for monitoring.

- **Enhanced expertise**: Receive training on Schneider Electric offers, procedures and tools
- **Maintenance and modernization of equipment and devices**: Receive training on how to assess LV and MV installed base to increase life duration

Discover EcoXpert Power Services



EcoStruxure™ Connected solutions

What is EcoStruxure™?

500 000

EcoStruxure™ has been deployed in almost 500 000 sites with the support of some 20 000 developers, 650 000 service providers and partners, and 3 000 utilities, and connects over 2 million assets under management.

EcoStruxure™ Connected

Efficient asset management

Greater efficiency with **predictive** maintenance helping to reduce downtime.

24/7 connectivity

Real-time data **everywhere anytime** to make better informed decisions.

Increased protection

Proven design and experience combined with **internal arc designs** to enhance people and equipment protection.

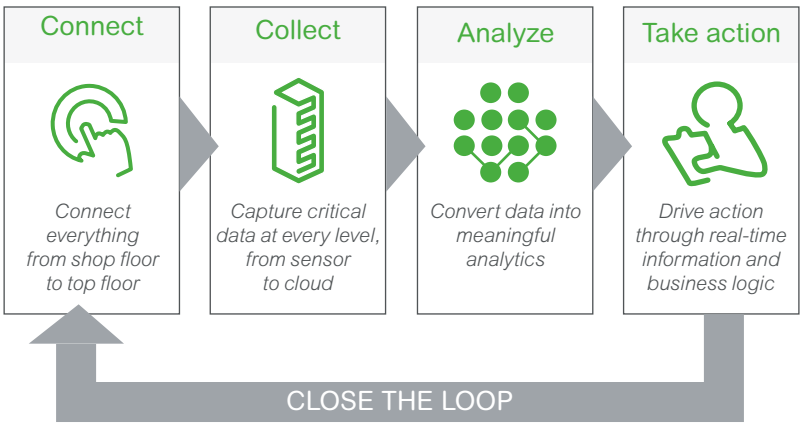
EcoStruxure™ is our open, interoperable, IoT-enabled system architecture and platform. EcoStruxure delivers enhanced value around safety, reliability, efficiency, sustainability, and connectivity for our customers. EcoStruxure leverages advancements in IoT, mobility, sensing, cloud, analytics, and cybersecurity to deliver Innovation at Every Level. This includes Connected Products, Edge Control, and Apps, Analytics & Services, which are supported by Customer Lifecycle Software.

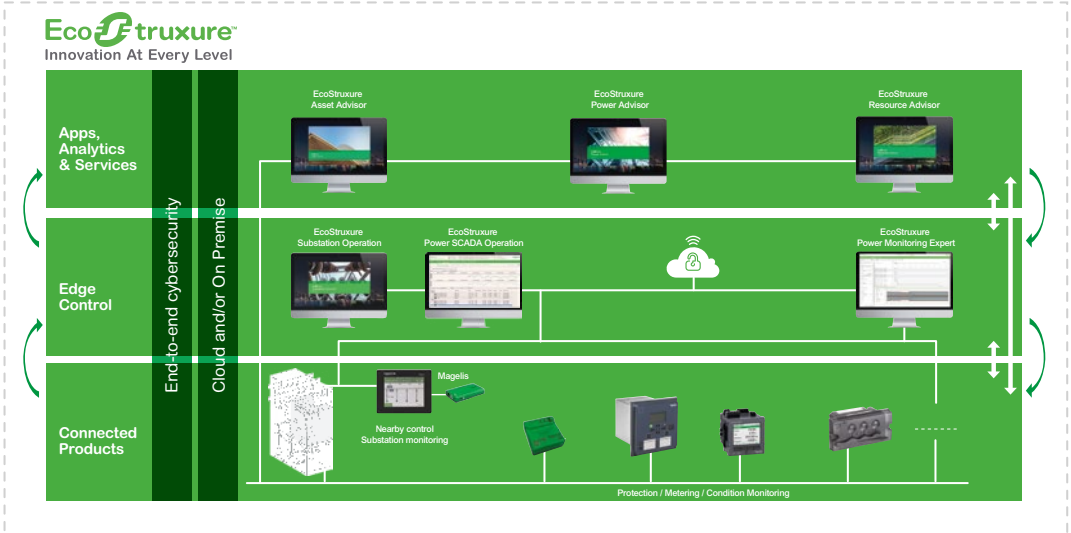
Turn data into action

EcoStruxure™ architecture lets customers maximize the value of data.

Specifically, it helps them:

- Translate data into actionable intelligence and better business decisions
- Take informed decisions to secure uptime and operational efficiency thanks to real-time control platforms
- Gain visibility to their electrical distribution by measuring, collecting, aggregating, and communicating data





F-Lab Laboratory

Expertise at your side

PM110149

Experienced F-lab Volta and Amplitude laboratories cooperates with several Schneider Electric entities throughout the world supporting development of quality and safety (robustness and reliability) of products and systems in conformity with various standards covering most of the global market.

PM110150

Power laboratory

The power laboratory has acquired extensive experience in short-circuit tests on low and medium voltage products. The tests are conducted in compliance with standards IEC, IEEE, ANSI, UL, HN, etc. and others depending on the specifications of our customers.

The laboratory is equipped with 3 power alternators (2 x 600 MVA and 1 x 2500 MVA).

Medium Voltage tests

- Bench to conduct make and break tests under MV downstream load: up to 36 kV - 3 phases (inductive, resistive and capacitive loads)
- Bench to conduct MV short-circuit make and break tests: up to 18 kV - 80 kA - 3 phases
- Bench to conduct tests on arc due to MV internal fault: 31.5 kA - 1s; 40 kA - 0.5 s; 50 kA - 0.25 s.

PM110151

Functional laboratory

Functional laboratory check behavior of the devices under their normal and specific operating conditions.

It provides support throughout all the development, checking and certification phases, including quality sampling to monitor performance.

Functional tests

This laboratory proposes a wide range of test services (heating, triggering, dielectric, etc.) at high performance levels and using unique means such as tests on the energy measuring devices.

- Temperature rises up to 15 kA AC and 7 kA DC - climatic chamber up to 100 m^3
- Triggering of overload and short-circuit
- LV and MV dielectric
- Aging tests
- Specific 230 m^3 climatic chamber for dielectric, water and ice.

Explore all F-lab Expertise

Sustainability

Green Premium™

Green Premium™

An industry leading portfolio of offers delivering sustainable value

The Green Premium program stands for our commitment to deliver customer valued sustainable performance. It has been upgraded with recognized environmental claims and extended to cover all offers including Products, Services and Solutions.

CO_2 and P&L impact through… Resource Performance

Green Premium brings improved resource efficiency throughout an asset's lifecycle. This includes efficient use of energy and natural resources, along with the minimization of CO_2 emissions.

Cost of ownership optimization through… Circular Performance

We're helping our customers optimize the total cost of ownership of their assets. To do this, we provide IoT-enabled solutions, as well as upgrade, repair, retrofit, and remanufacture services.

Peace of mind through… Well-being Performance

Green Premium products are RoHS and REACh compliant. We're going beyond regulatory compliance with step-by-step substitution of certain materials and substances from our products.

Improved sales through… Differentiation

Green Premium delivers strong value propositions through third-party labels and services. By collaborating with third-party organizations we can support our customers in meeting their sustainability goals such as green building certifications.

More than 75% of our product sales offer superior transparency on the material content, regulatory information and environmental impact of our products:

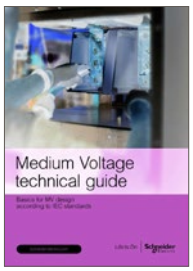
- RoHS compliance
- REACh substance information
- Industry leading # of PEP's*
- Circularity instructions

Discover what we mean by green
Check your products!

*PEP: Product Environmental Profile (i.e. Environmental Product Declaration)

Complementary litteratures

Learn more on our Medium Voltage products and technology



Helping you design MV products according to IEC standards

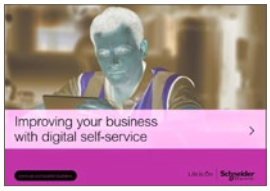
- Our talented electrical distribution experts share their industry-leading knowledge of technological developments and evolving medium-voltage standards.

MV Technical Guide

Helping protect people and systems from arc flash in medium voltage equipment

- Easy to understand approach on arc flash systems installed in MV switchgear

Arc Flash eGuide



Improving your business with digital self-service

- Digital self-service helps your business improve flexibility and productivity, allowing you to quickly adapt to customer needs in changing times.

Digital Life Cycle eGuide

Schneider Electric EcoFit™ Life Extension Essential Catalog

- Discover in a single catalog all assets and services to modernize existing MV and LV installations by adding sensors and communication capabilities.

Catalog EcoFit™ Life Extension Essential

Leaflet EcoExpert Cerfified basic

- We offer Panel Builders an easy way to get into Medium Voltage business.

Pre-assembled MV Switchgear

Power Services Catalogues

- Download EcoXpert Power Services catalog:
  Enhance your portfolio, strengthen customer loyalty, and drive your business forward by leveraging our specialized services that complement your expertise as a Panel Builder.

Power Services Catalog

Life Is On | Schneider Electric™

Green Premium™ ecolabel product - Sustainable performance, by design

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