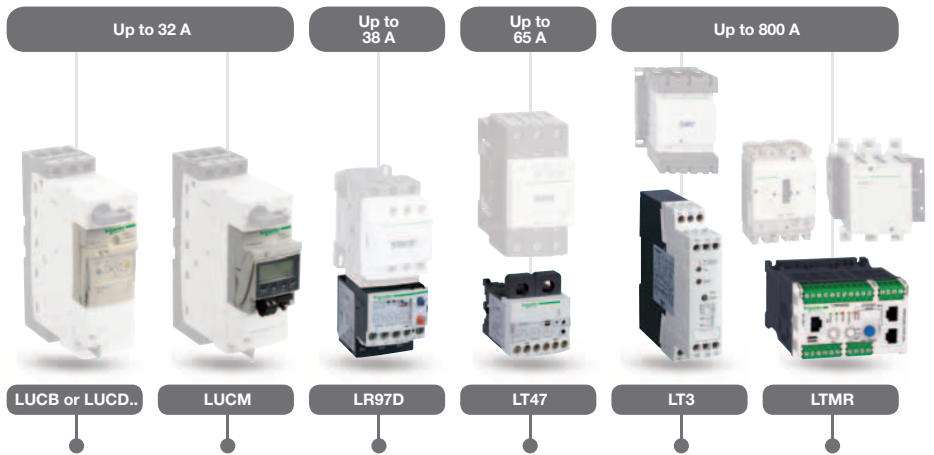


TeSys Advanced



	Up to 32 A	Up to 38 A	Up to 65 A	Up to 800 A
Protection function				
Short-circuit	integrated	integrated	with external protection	
Causes of overheating				
Slight overload	Recommended	Recommended	Possible	Recommended
Locked Rotor	Possible	Recommended	Recommended	Recommended
No-load running	with LUF-V2	Recommended		Recommended
Supply phase failure	Recommended	Recommended	Possible	Recommended
Ventilation fault				Recommended with probes
Abnormal temperature rise				Recommended with probes
Shaft bearing seizure	Possible	Possible	Possible	Recommended with probes
Insulation fault		Recommended		Recommended
Protracted starting time	Recommended	Recommended	Recommended	Possible
Severe duty			Recommended	Recommended with probes
Voltage variation	Possible	Possible	Possible	Recommended
Frequency fluctuations				Recommended
Loss of machine excitation				Recommended
Measurement, statistics and historic function		Recommended		Recommended
Motor starter management				
Control mode		Recommended		Recommended
Fault mode		Recommended		Recommended
Shedding				Recommended
Communication function		Recommended		Recommended

■ Recommended solution for the best functional adaptation
■ Possible solution



TeSys Rotary Handle

TeSys Rotary Handle for
TeSys GV2 and GV3 circuit breakers
and TeSys U starters

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ART. 834523

As standards, specifications and designs change from time to time, please ask for confirmation of the information given in this publication.



Printed on ecological paper

Publication: Schneider Electric
Design-Layout: Manitoba - SEDOC
Photos: Schneider Electric
Printing: Altavia Connexion

03/2012

DIA1ED1080304EN

Your TeSys guide



Choose & Use



TeSys Universal

Build your motor starter!

Range name
Product reference prefix

Contactor	Thermal-magnetic circuit breaker	Magnetic circuit breaker	Switch disconnecter fuse	Thermal overload relay	Starter controller	Main / Emergency stop switch disconnecter	Fuse carrier
TeSys K, D, F	TeSys GV	TeSys GVL	TeSys GS	TeSys K, D, F	TeSys U	TeSys Vario	TeSys DF
LC	GV	GVL	GS	LR	LU	V	DF
Motor starter structure - 4 functions to be covered:							
	Disconnection and breaking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Short-circuit protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Overload protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Motor power AC3

0,37...0,55 kW 0,75 kW 1,1...1,5 kW 2,2 kW 3 kW 4 kW 5,5 kW

TeSys K mini contactor

le max. AC3 (Ue ≤ 440 V)
le AC1 (T < 60°C)
Contactor

6 A 6 A 6 A 6 A 9 A 9 A 12 A
20 A 20 A 20 A 20 A 20 A 20 A 20 A
LC1K06 ■■ LC1K06 ■■ LC1K06 ■■ LC1K06 ■■ LC1K09 ■■ LC1K09 ■■ LC1K12 ■■

Voltage coil

AC
DC
DC (2,4 W)

LC1K..■■
LP1K..■■
LP4K..●●

Breaking capacity Icu/400 V
Thermal-magnetic circuit breaker

100 KA 100 KA 100 KA 100 KA 100 KA 100 KA 100 KA
GV2P06 GV2P07 GV2P08 GV2P10 GV2P14 GV2P14 GV2P16

Rotary handle

Breaking capacity Icu/400 V
Thermal-magnetic circuit breaker

100 KA 100 KA 100 KA 100 KA 100 KA 100 KA 15 KA
GV2ME06 GV2ME07 GV2ME08 GV2ME10 GV2ME14 GV2ME14 GV2ME16

Pushbutton control

Breaking capacity Icu/400 V
Magnetic circuit breaker

100 KA 100 KA 100 KA 100 KA 100 KA 100 KA 15 KA
GV2LE06 GV2LE07 GV2LE08 GV2LE10 GV2LE14 GV2LE14 GV2LE16

Tumbler control

Breaking capacity Icu/400 V
Magnetic circuit breaker

100 KA 100 KA 100 KA 100 KA 100 KA 100 KA 100 KA
GV2L06 GV2L07 GV2L08 GV2L10 GV2L14 GV2L14 GV2L16

Rotary handle

Switch disconnecter fuse
Fuse type
Operational current Ie/400 V

GS1DD GS1DD GS1DD GS1DD GS1DD GS1DD GS1DD
10 x 38 10 x 38 10 x 38 10 x 38 10 x 38 10 x 38 10 x 38
2 A 4 A 4 A 6 A 8 A 12 A 16 A

Thermal overload relay
c10A
c120

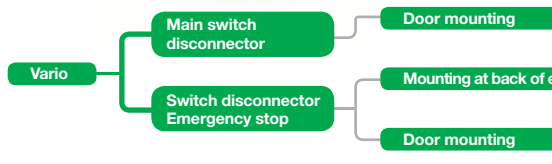
LR2K0306 LR2K0308 LR2K0310 LR2K0312 LR2K0314 LR2K0316 LR2K0321

TeSys U motor starter

Starter controller
Power base
Control unit

LUB12 LUB12 LUB12 LUB12 LUB12 LUB12 LUB12
LUCA1X ☆☆ LUCA05 ☆☆ LUCA05 ☆☆ LUCA12 ☆☆ LUCA12 ☆☆ LUCA12 ☆☆ LUCA12 ☆☆

	■ ■	■ ■ ■	■ ■ ■	● ●	☆ ☆	□ □	□
	AC	DC	DC-2,4 W	DC	AC/DC	AC/DC	AC 40/400
24 V	B7	BD	BL	BW	B/BL		
48 V	E7	ED	EL	EW	ES		
72 V		SD	SL	SW	ES		
110 V	F7	FD		FW	FU	FW	F
220 V	M7				FU	MW	M
230 V	P7				FU	MW	M
400 V	V7					QW	V



0,37...0,55 kW 0,75 kW 1,1...1,5 kW 2,2 kW 3 kW 4 kW 5,5 kW 7,5 kW 9 kW 11 kW 15 kW

TeSys D contactor

9 A	9 A	9 A	9 A	9 A	9 A	12 A	18 A	25 A	25 A	32 A
25 A	25 A	25 A	25 A	25 A	25 A	25 A	32 A	40 A	40 A	50 A
LC1D09 ■■	LC1D09 ■■	LC1D09 ■■	LC1D09 ■■	LC1D09 ■■	LC1D09 ■■	LC1D12 ■■	LC1D18 ■■	LC1D25 ■■	LC1D25 ■■	LC1D32 ■■
LC1D... ■■	LC1D... ■■	LC1D... ■■								
100 KA	100 KA	100 KA	100 KA	100 KA	100 KA	100 KA	100 KA	100 KA	100 KA	100 KA
GV2P06	GV2P07	GV2P08	GV2P10	GV2P14	GV2P14	GV2P16	GV3P18	GV3P25	GV3P25	GV3P32
100 KA	100 KA	100 KA	100 KA	100 KA	100 KA	15 KA	15 KA	15 KA	15 KA	15 KA
GV2ME06	GV2ME07	GV2ME08	GV2ME10	GV2ME14	GV2ME14	GV2ME16	GV2ME20	GV2ME21	GV2ME22	GV2ME25
100 KA	100 KA	100 KA	100 KA	100 KA	100 KA	15 KA	15 KA	15 KA	15 KA	15 KA
GV2LE06	GV2LE07	GV2LE08	GV2LE10	GV2LE14	GV2LE14	GV2LE16	GV2LE20	GV2LE22	GV2LE22	GV2LE25
100 KA	100 KA	100 KA	100 KA	100 KA	100 KA	100 KA	100 KA	100 KA	100 KA	100 KA
GV2L06	GV2L07	GV2L08	GV2L10	GV2L14	GV2L14	GV2L16	GV2L20	GV2L22	GV3L25	GV3L32
GS1DD	GS1DD	GS1DD	GS1DD	GS1DD	GS1DD	GS1DD	GS1DD	GS1DD	GS1DD	GS1DD
10 x 38	10 x 38	10 x 38	10 x 38	10 x 38	10 x 38	10 x 38	10 x 38	10 x 38	10 x 38	10 x 38
2 A	4 A	4 A	6 A	8 A	12 A	16 A	16 A	25 A	25 A	32 A
LRD06	LRD07	LRD08	LRD10	LRD12	LRD14	LRD16	LRD21	LRD22	LRD22	LRD32
									LRD325	LRD325
		LRD1508	LRD1510	LRD1512	LRD1514	LRD1516	LRD1521	LRD1522	LRD1522	LRD1525
									LRD325L	LRD325L

TeSys U motor starter

LUB12	LUB12	LUB12	LUB12	LUB12	LUB12	LUB12	LUB32	LUB32	LUB32	LUB32
LUCA1X ☆☆	LUCA05 ☆☆	LUCA05 ☆☆	LUCA12 ☆☆	LUCA12 ☆☆	LUCA12 ☆☆	LUCA12 ☆☆	LUCA18 ☆☆	LUCA32 ☆☆	LUCA32 ☆☆	LUCA32 ☆☆

Parallel pre-wiring solution on RJ45 connector (Reduced wiring time) for TeSys U and TeSys GV + LC1D combination (Control connection module LAD9AP).



Thermal current I _{th} (A)	12	20
	Mini-Vario for standard applications	
Ø 22.5 fixing	VBDN12	VBDN20
4 screw fixing		
Ø 22.5 fixing	VCCDN12	VCCDN20
4 screw fixing		
Ø 22.5 fixing	VCDN12	VCDN20
4 screw fixing		

	12	20	25	32	40	63	
	Vario for high performance applications						
	VBD02	VBD01	VBD0	VBD1	VBD2		
	VBF02	VBF01	VBF0	VBF1	VBF2	VBF3	VBF4
	VCCD02	VCCD01	VCCD0	VCCD1	VCCD2		
	VCCF02	VCCF01	VCCF0	VCCF1	VCCF2	VCCF3	VCCF4
	VCD02	VCD01	VCD0	VCD1	VCD2		
	VCF02	VCF01	VCF0	VCF1	VCF2	VCF3	VCF4



	18,5 kW	22 kW	30 kW	37 kW	45 kW	55 kW	75 kW
	40 A	50 A	65 A	80 A	95 A	115 A	150 A
	60 A	80 A	80 A	125 A	125 A	200 A	200 A
	LC1D40A	LC1D50A	LC1D65A	LC1D80	LC1D95	LC1D115	LC1D150

	50 KA	50 KA	50 KA	70 KA	70 KA	70 KA	70 KA
	GV3P40	GV3P50	GV3P65	GV7RS80	GV7RS100	GV7RS150	GV7RS150
	50 KA	50 KA	50 KA	15 KA	35 KA	35 KA	35 KA
	GV3P40	GV3P50	GV3P65	GV3ME80	GV7RE100	GV7RE150	GV7RE150

Tumbler control

Rotary handle

	50 KA	50 KA	50 KA	70 KA	70 KA	70 KA	70 KA
	GV3L40	GV3L50	GV3L65	NS80HMA	NSX100HMA	NSX160HMA	NSX160HMA

Rotary handle

	50 KA	50 KA	50 KA	25 KA	50 KA	50 KA	50 KA
	GV3L40	GV3L50	GV3L65	GK3EF80	NSX100NMA	NSX160NMA	NSX160NMA

	GS2F	GS2F	GS2J	GS2J	GS2J	GS2K	GS2LL	GS2L
	14 x 51	14 x 51	22 x 58	22 x 58	22 x 58	22 x 58	T00	T0
	40 A	50 A	80 A	100 A	100 A	125 A		160 A

				LRD3363	LRD3365	LRD4367	LRD4369
	LRD340	LRD350	LRD365		LR9D5369	LR9D5369	
	LRD340L	LRD350L	LRD365L	LR2D3563		LR9D5569	LR9D5569



	90 kW	110 kW	132 kW
	185 A	225 A	265 A
	275 A	280 A	300 A
	LC1F185	LC1F225	LC1F265

TeSys F contactor


	70 KA	70 KA	70 KA
	GV7RS220	GV7RS220	NSX400H
			(1)
	35 KA	35 KA	45 KA
	GV7RE220	GV7RE220	NSX400N
			(1)

	70 KA	70 KA	70 KA
	NSX250HMA	NSX250HMA	NSX400H
			Micrologic 1.3-M
	50 KA	50 KA	50 KA
	NSX250NMA	NSX250NMA	NSX400N
			Micrologic 1.3-M


	GS2N	GS2N	GS2N
	T1	T1	T1
	200 A	250 A	315 A

	LR9F5371	LR9F5371	LR9F7375
	LR9F5571	LR9F5571	LR9F7575

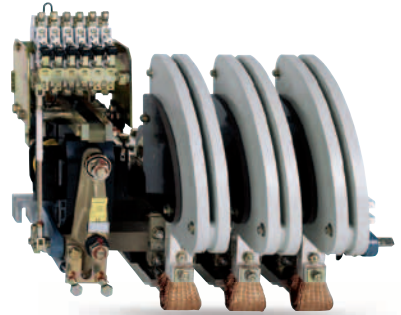
80	125	175
BF4	VBF5	VBF6
VCF4	VCCF5	VCCF6
CF4	VCF5	VCF6



Thermal current I _{th} (A)	25	32	50	125	
Fuse type	8x32	10x38	14x51	22x58	
DF	Fuse carrier				
	1 pole	DF81	DF101	DF141	DF221
	2 poles	DF82	DF102	DF142	DF222
	3 poles	DF83	DF103	DF143	DF223



160 kW	200 kW	250 kW	315 kW	400 kW
330 A	400 A	500 A	630 A	800 A
360 A	430 A	580 A	850 A	850 A
LC1F330 ■■	LC1F400 ■■	LC1F500 ■■	LC1F630 ■■	LC1F800 □□



400 kW	500 kW	630 kW	800 kW	900 kW
TeSys B contactor (3)				
800 A	1000 A	1500 A	1500 A	1800 A
800 A	1250 A	2000 A	2000 A	2750 A
LC1BL33 □	LC1BM33 □	LC1BP33 □	LC1BP33 □	LC1BR33 □

70 KA	70 KA	70 KA	70 KA	70 KA
NSX400H	NSX630H	NSX630H	NS800H	NS800H
(1)	(1)	(1)	Micrologic 5.0	Micrologic 5.0
45 KA	45 KA	45 KA	50 KA	50 KA
NSX400N	NSX630N	NSX630N	NS800N	NS800N
(1)	(1)	(1)	Micrologic 5.0	Micrologic 5.0
70 KA	70 KA	70 KA	70 KA	70 KA
NSX400H	NSX630H	NSX630H	NS800H	NS800H
Micrologic 1.3-M	Micrologic 1.3-M	Micrologic 1.3-M	(2)	(2)
50 KA	50 KA	50 KA	50 KA	50 KA
NSX400N	NSX630N	NSX630N	NS800N	NS800N
Micrologic 1.3-M	Micrologic 1.3-M	Micrologic 1.3-M	(2)	(2)
GS2QQ	GS2QQ	GS2S	GS2S	GS2V
T2	T2	T3	T3	T4
400 A	500 A	500 A	630 A	800 A

70 KA	70 KA	70 KA	85 KA	85 KA
NS800H	NS1000H	NS1250H	NS1600H	NS2000H
Micrologic 5.0	Micrologic 5.0	Micrologic 5.0	Micrologic 5.0	Micrologic 5.0
50 KA	50 KA	50 KA	70 KA	70 KA
NS800N	NS1000N	NS1250N	NS1600N	NS2000N
Micrologic 5.0	Micrologic 5.0	Micrologic 5.0	Micrologic 5.0	Micrologic 5.0
70 KA	70 KA	70 KA	85 KA	85 KA
NS800H	NS1000H	NS1250H	NS1600H	NS2000H
(2)	(2)	(2)	(2)	(2)
50 KA	50 KA	50 KA	70 KA	70 KA
NS800N	NS1000N	NS1250N	NS1600N	NS2000N
(2)	(2)	(2)	(2)	(2)
GS2V	GS2V	GS2V	GS2V	GS2V
T4	T4	T4	T4	T4
800 A	1000 A	1250 A	2 x 800 A	2 x 1000 A

LRD10 + CT5A/5VA			
LR9F7375	LR9F7379	LR9F7379	LR9F7381
LR9F7575	LR9F7579	LR9F7579	LR9F7579

(1) Micrologic 2.3-M or Micrologic 6.3-M for advanced motor protection
 (2) Micrologic 5.0 + Plug LR Off
 (3) For further information, see TeSys B application notes available on: schneider-electric.com.