

Life Is On

Schneider
Electric

 PriceList

Switching and Controlling Products

With effect from March 12, 2018



schneider-electric.co.in

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NEW

EasyPact TVS

The Easy choice for simplicity and flexibility

- 3 Pole and 4 Pole Power Contactor
- Thermal Overload Relay
- Motor Protection Circuit Breaker
- Accessories



Designed for the Essential

Power Contactors - ETVS(3 Pole AC Control)



- Conformance to IEC 60947-4-1, CE Marking
- Current Rating: 6A to 630A, AC3 Rating
- Type 2 co-ordination chart available with Fuse, MPCB and MCCB.
- Wide Band Coil in 6 - 40BA for 220 & 415VAC
- New dual frequency coil available for select coil ratings

[Ie] Rated Operational Current		Motor Power at 415 V, 3Ph, 50Hz		Auxiliary Contacts		Reference	Unit MRP [₹]
AC-1	AC-3	hP	kW	NO	NC		
20 A	6 A	3	2.2	-	1	LC1E0601* <input checked="" type="checkbox"/>	830
				1	-	LC1E0610* <input checked="" type="checkbox"/>	830
25 A	9 A	5.5	4	-	1	LC1E0901* <input checked="" type="checkbox"/>	870
				1	-	LC1E0910* <input checked="" type="checkbox"/>	870
25 A	12 A	7.5	5.5	-	1	LC1E1201* <input checked="" type="checkbox"/>	970
				1	-	LC1E1210* <input checked="" type="checkbox"/>	970
32 A	18 A	12	9	-	1	LC1E1801* <input checked="" type="checkbox"/>	1110
				1	-	LC1E1810* <input checked="" type="checkbox"/>	1110
36A	25 A	15	11	-	1	LC1E2501* <input checked="" type="checkbox"/>	1500
				1	-	LC1E2510* <input checked="" type="checkbox"/>	1500
50 A	32 A	20	15	-	1	LC1E3201* <input checked="" type="checkbox"/>	3150
				1	-	LC1E3210* <input checked="" type="checkbox"/>	3150
50 A	38 A	25	18.5	-	1	LC1E3801* <input checked="" type="checkbox"/>	3700
				1	-	LC1E3810* <input checked="" type="checkbox"/>	3700
NEW 50A	40A	29	22	-	1	LC1E40B01**	3850
				1	-	LC1E40B10**	3850
60 A	40 A	29	22	1	1	LC1E40* <input checked="" type="checkbox"/>	4900
70 A	50 A	34	25/30	1	1	LC1E50* <input checked="" type="checkbox"/>	5950
80 A	65 A	50	37	1	1	LC1E65* <input checked="" type="checkbox"/>	8000

[Ie] Rated Operational Current		Motor Power at 415 V, 3Ph, 50Hz		Auxiliary Contacts		Reference	Unit LP [₹]
AC-1	AC-3	hP	kW	NO	NC		
110A	80 A	60	45	1	1	LC1E80* <input checked="" type="checkbox"/>	10400
120 A	95 A	60	45	1	1	LC1E95* <input checked="" type="checkbox"/>	12500
150 A	120 A	75	55	1	1	LC1E120* <input checked="" type="checkbox"/>	14800
200 A	160 A	120	90	1	1	LC1E160* <input checked="" type="checkbox"/>	19400
250 A	200 A	150	110	-	-	LC1E200* <input checked="" type="checkbox"/>	27000
300 A	250A	175	132	-	-	LC1E250* <input checked="" type="checkbox"/>	35580
320 A	300 A	215	160	-	-	LC1E300* <input checked="" type="checkbox"/>	42600
500 A	400A	295	220	-	-	LC1E400* <input checked="" type="checkbox"/>	54150
700 A	500A	375	280	-	-	LC1E500* <input checked="" type="checkbox"/>	76270
1000 A	630A	500	375	-	-	LC1E630* <input checked="" type="checkbox"/>	108290

* Reference to be completed by adding coil voltage code

Coil Voltage Code

* VOLTAGE (V AC)	24	110	220	415
LC1E06..LC1E95	B7	F7	M7	N5
LC1E120..LC1E300	B5	F5	M5	N5
LC1E400..LC1E630	B7	F7	M7	N7
LC1E06..LC1E40B	-	-	M5WB	N5WB

Non Standard Voltage/code: 48 VAC/E5, 380 VAC/Q5, 440 VAC/R5
Please add ₹ 120/- while ordering Contactors with Non Standard Voltages.

** For more information contact regional sales office

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Power Contactors - ETVS (4 Pole AC Control)



- Conformance to IEC 60947-4-1
- Current Rating: 16A to 125A, AC1 rating
- Available in 4NO and 2NO+2NC Power Pole combination
- Wide Band Coil for all ratings in 220 & 415 VAC

AC-1 Rating	Power Poles	Reference	Unit MRP [₹]	Power Poles	Reference	Unit MRP [₹]
16	4NO	LC1E06004*	940	2NO + 2NC	LC1E06008*	1190
20	4NO	LC1E09004*	1000	2NO + 2NC	LC1E09008*	1260
25	4NO	LC1E12004*	1090	2NO + 2NC	LC1E12008*	1370
32	4NO	LC1E18004*	1150	2NO + 2NC	LC1E18008*	1510
40	4NO	LC1E25004*	1810	2NO + 2NC	LC1E25008*	2490
45	4NO	LC1E32004*	3030	2NO + 2NC	LC1E32008*	3850
NEW 60	4NO	LC1E38004*	3570	2NO + 2NC	LC1E38008*	4860
60	4NO	LC1E40004*	5640	2NO + 2NC	LC1E40008*	7490
80	4NO	LC1E65004*	7660	2NO + 2NC	LC1E65008*	9550

AC-1 Rating	Power Poles	Reference	Unit LP [₹]	Power Poles	Reference	Unit LP [₹]
100	4NO	LC1E80004*	10070	2NO + 2NC	LC1E80008*	14130
125	4NO	LC1E95004*	11420	2NO + 2NC	LC1E95008*	16930

* Reference to be completed by adding coil voltage code

Control Relays - ETVS (AC Control)

Auxiliary Contacts			Reference	Unit MRP [₹]
NO	NC			
4	0		CAE40*	880
3	1		CAE31*	
2	2		CAE22*	

* Reference to be completed by adding coil voltage code

Coil Voltage Code

* Voltage (V AC)	24	110	220	415
LC1E0600*...9500* 50/60 Hz	B7	F7	-	-
LC1E0600*...9500* 50 Hz/ Wide Band	-	-	M5WB	N5WB
Control relay CAE	B5	F5	M5	N5

Note:

- 4P power contactor also available at 48VAC E7 and 380VAC Q7
- Add ₹120 while ordering non-standard voltages

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

Thermal Overload Relay - ETVS



- Conformance to IEC 60947-4-1, CE Marking
- Range : 0.1A to 630A
- Tripping Class : 10A
- Direct & Independent mounting

Thermal Protection Adjustment Range	For Use with Contactor	Reference	Unit MRP [₹]	
LRE				
0.1...0.16 A	E06...E40B	LRE01	1320	
0.16...0.25 A	E06...E40B	LRE02		
0.25...0.4 A	E06...E40B	LRE03		
0.4...0.63 A	E06...E40B	LRE04		
0.63...1 A	E06...E40B	LRE05 <input checked="" type="checkbox"/>		
1...1.6 A	E06...E40B	LRE06 <input checked="" type="checkbox"/>		
1.6...2.5 A	E06...E40B	LRE07 <input checked="" type="checkbox"/>		
2.5...4 A	E06...E40B	LRE08 <input checked="" type="checkbox"/>		
4...6 A	E06...E40B	LRE10 <input checked="" type="checkbox"/>		
5.5...8 A	E09...E40B	LRE12 <input checked="" type="checkbox"/>		
7...10 A	E09...E40B	LRE14 <input checked="" type="checkbox"/>		
9...13 A	E12...E40B	LRE16 <input checked="" type="checkbox"/>		
12...18 A	E18...E40B	LRE21 <input checked="" type="checkbox"/>		1490
16...24 A	E25...E40B	LRE22 <input checked="" type="checkbox"/>		1740
23...32 A	E25...E40B	LRE32 <input checked="" type="checkbox"/>	2340	
30...38 A	E40B	LRE35 <input checked="" type="checkbox"/>	2600	
17...25 A	E40...E95	LRE322	2970	
23...32 A	E40...E95	LRE353		
30...40 A	E40...E95	LRE355		
37...50 A	E50...E95	LRE357 <input checked="" type="checkbox"/>		
48...65 A	E65...E95	LRE359	3870	

Thermal Protection Adjustment Range	For Use with Contactor	Reference	Unit LP [₹]
LRE			
55...70 A	E80...E95	LRE361	4460
63...80 A	E80...E95	LRE363	4400
80...104 A	E95	LRE365	
51...81 A	E120...E300	LRE480	8640
62...99 A	E120...E300	LRE481	
84...135 A	E120...E300	LRE482	
124...198 A	E160...E300	LRE483	
146...234 A	E200...E300	LRE484	
174...279 A	E250...E300	LRE485	
208...333 A	E300	LRE486	9380
258...414 A	E300...E400	LRE487	11540
321...513 A	E500	LRE488	12510
394...630 A	E630	LRE489	13520

Note: For separate mounting block, for LRE

- For LRE01...LRE35 – terminal block for clip-on Mounting LAEB1 Unit LP: ₹500
- For LRE322...LRE365 – terminal block for clip-on Mounting LAEB3 Unit LP: ₹ 1470

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Spare Coils

Contactor	Reference	Unit LP [₹]
CAE, LC1E06...E18	LAEX12*	780
LC1E25		
LC1E32/E38	LAEX2*	960
LC1E40/E65	LAEX3*	1420
LC1E80/E95	LAEX4*	1780
LC1E120/E160	LAEX5*	1980
LC1E200/E250	LAEX6*	2770
LC1E300	LAEX7*	3015
LC1E0600*... LC1E1800*	LAEX1T*	900
LC1E2500*... LC1E3800*	LAEX2T*	1075
LC1E4000*...LC1E9500*	LAEX4T*	1900

* Reference to be completed by adding coil voltage code

* VOLTAGE (V AC)	24	110	220	415
LC1E06..LC1E95	B7	F7	M7	N5
LC1E120..LC1E300	B5	F5	M5	N5
LC1E400..LC1E630	B7	F7	M7	N7
LC1E06..LC1E40B	-	-	M5WB	N5WB

Note:

- Add ₹ 120 while ordering non-standard voltages

Accessories - For ETVS Contactors

Description	For Use with	Mounting	Contacts	Reference	Unit LP [₹]
Auxiliary Contact Block	LC1E06..E630 & LC1E0600*.. LC1E9500*	Front	1NO+1NC	LAEN11 <input checked="" type="checkbox"/>	240
			2NO	LAEN20 <input checked="" type="checkbox"/>	240
			2NC	LAEN02 <input checked="" type="checkbox"/>	280
			2NO+2NC	LAEN22 <input checked="" type="checkbox"/>	440
			4NO	LAEN40 <input checked="" type="checkbox"/>	440
Star Delta Timer	LC1E25..E630			LAETSD <input checked="" type="checkbox"/>	2000

Description	For Use with	Coil Voltage	Reference	Unit LP [₹]
Surge Suppressor	LC1E06...E95*	24..48 V AC	LAERCE	770
	LC1E06...E95*	50..127 V AC	LAERCG	
	LC1E06...E95*	110..240 V AC	LAERCU	
	LC1E06...E95*	380..415 V AC	LAERCN	

Description	For Use with	Reference	Unit LP [₹]
Mechanical Interlock	LC1E06..E65 & LC1E0600*..E3800*	LAEM1	500
	LC1E80..E95 & LC1E4000*..E9500*	LAEM4	1630
	LC1E120..E160	LAEM5	3040
	LC1E200..E250	LAEM6	3100
	LC1E300..E500	LAEM7	3940
	LC1E630	LAEM8	4200

*Reference to be completed by adding coil voltage

3 Pole Accessories compatibility

Contactor	Built in contacts	LAEN**	LAETSD	LAERC•	LAEM
LC1E06					
LC1E09					
LC1E12		1	-		
LC1E18	1 NO or 1NC				
LC1E25					
LC1E32				1	
LC1E38/LC1E40B					
LC1E40					
LC1E50		1 or 1			
LC1E65					1
LC1E80	1 NO or 1NC				
LC1E95					
LC1E120					
LC1E160					
LC1E200					
LC1E250					
LC1E300		2 or 0			
LC1E400		1 or 1			
LC1E500					
LC1E630					

4 Pole Accessories compatibility

Contactor	LAEN**	LAETSD	LAERC•
LC1E06			
LC1E09			
LC1E12	1	-	
LC1E18			
LC1E25			
LC1E32			1
LC1E38			
LC1E40			
LC1E50	1 or 1		
LC1E65			
LC1E80			
LC1E95			

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

Motor Protection Circuit Breaker - ETVS



- Conformance to IEC60947-1,-2,-4, CE Marking
- Range : 0.1A to 32A
- Short Circuit and Overload Protection
- Breaking Capacity upto 100KA

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**		Thermal Protection Adjustment Range (A)	Reference	Unit MRP [₹]
	kW	hP			
GZ1-E Thermal Magnetic- With Pushbutton control					
100 kA	-	-	0.1 - 0.16	GZ1E01	2450
	0.06	-	0.16 - 0.25	GZ1E02	
	0.09	-	0.25 - 0.40	GZ1E03	
	0.18	-	0.40 - 0.63	GZ1E04	2850
	0.37	0.5	0.63 - 1.0	GZ1E05	2850
	0.55	0.75	1.0 - 1.6	GZ1E06	2800
	0.75	1	1.6 - 2.5	GZ1E07	2800
	1.1	2	2.5 - 4	GZ1E08	2900
	2.2	3	4 - 6.3	GZ1E10	2900
	3	5.5	6 - 10	GZ1E14	3100
10 kA	5.5	7.5	9 - 14	GZ1E16	3500
	7.5	10	13 - 18	GZ1E20	3800
	9	12.5	17 - 23	GZ1E21	4000
	11	15	20 - 25	GZ1E22	4200
	15	20	24 - 32	GZ1E32	7500

Accessories - ETVS MPCB

Description	Mounting	Contacts	Reference	Unit LP [₹]
Auxillary Contact Block	LH Side Mounted	1NO+1NC	GZ1AN11	820
		2NO	GZ1AN20	1030

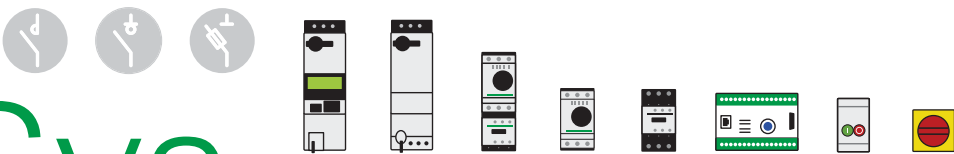
Description	Mounting	Range	Reference	Unit LP [₹]	
Electric Trips					
Undervoltage	RH Side Mounted	110...115 V	50 Hz	GZ1AU115	2230
		220...240 V	50 Hz	GZ1AU225	2230
		380...400 V	50 Hz	GZ1AU385	3080
Shunt trip		110...115 V	50 Hz	GZ1AS115	2230
		220...240 V	50 Hz	GZ1AS225	2230

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Let TeSys be your drive



Intuitive solutions to protect, monitor and control your motor

TeSys offers the best in class features you need for protection, safety, monitoring and control of motor and power applications. TeSys matches a diverse range of solutions from the most common through the most advanced.

Wherever you are in the world, and whichever TeSys products you choose like contactors, circuit breakers, thermal relays, among others, you can count on receiving the reliability, standards-compatibility, ease of ordering and installation you need.



Boosts your productivity

- **Make installation easier**
 - > The widest range of installation accessories available.
 - > Intuitive installation.
- **Optimize the organization of your switchboards**
 - > Compact solutions.
 - > Low heat dissipation.
- **Increase service continuity**
 - > Total coordination.
 - > Communication and preventive maintenance.

Improves safety

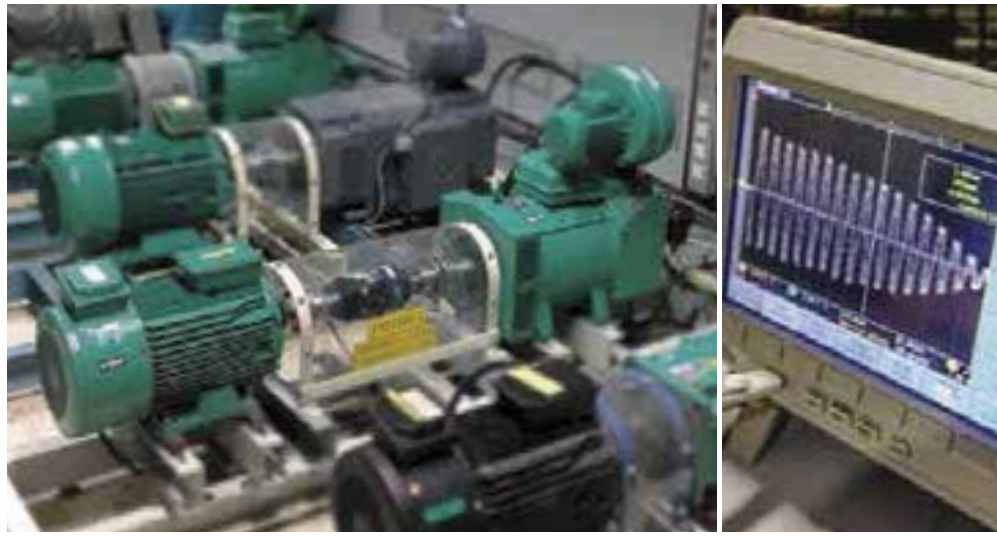
- **Equip your machines with TeSys products**
 - > Integrated safety features.
 - > Compliance with international standards.

Adapts to any situation

- **Discover a wide range of protection and control products**
 - > The right response for the applications you need.
 - > A solution for each electrical function.
- **Export your machines worldwide**
 - > A single product lineup and identical part numbers worldwide.
- > Multi-standard products IEC/UL/CSA/CCC.

Simplifies smart installation design

- **Choose the right products quickly and easily**
 - > Motor starters selection software available
 - > www.schneider-electric.com
- **Recommend supervision and control solutions**
 - > Preventive maintenance
 - > Energy management
- **Extend motor lifetime**
 - > High-performance advanced protection
 - > Energy efficiency



Efficient power for your business

According to new regulations coming into force in the EU, from 1 January 2015 motors from 7.5 kW to 375 kW must be IE3 compliant. **By implementing IE3 motors now, you are preparing for the future.**

With the TeSys range, you know that your operations are ready for premium-efficiency motors. You also benefit directly from lower energy and life-cycle costs as well as a reduced environmental impact.



-50%
CONTACTOR
POWER
CONSUMPTION

Best-in-class solutions for motors

With TeSys you can introduce premium-efficiency motors to your machinery with peace of mind. Tested for magnetic, thermal, and electrical endurance, the TeSys range has proven fully compatible with IE3 motors and ready for a higher peak inrush current.

Best-in-class TeSys products include:

- A complete range of equipment, including contactors, circuit breakers, thermal relays
- Energy efficiency and reduced CO² emissions thanks to a low consumption coil
- A high level of safety and reliability thanks to a robust, quality design
- Ease of selection, installation, and maintenance with no need for derating
- Worldwide availability and support



Go greener with TeSys

All TeSys products are certified with the Green Premium eco-mark, a standard implemented by Schneider Electric to provide comprehensive information on the environmental impact of a product.

The Green Premium mark assures compliance with the most up-to-date environmental regulations, including RoHS and REACH. With TeSys you can develop an effective environmental policy, as the range offers technical support and advice for eco-design projects.



For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Control Relays - K model (AC & DC Control)



- Conformance IEC, UL, CSA, CE Marking
- Inbuilt 4 auxiliary contacts
- 10A thermal rating
- Available with AC (50/60Hz Dual frequency), DC & DC low consumption coil options

No of Poles	AC Control Reference	Unit LP [₹]	DC Control Reference ⁽⁴⁾	Unit LP [₹]	DC low consumption Reference ^{(1) (2) (3)}	Unit LP [₹]
2NO + 2NC	CA2KN22*	1100	CA3KN22**	1540	CA4KN22***	1870
3NO + 1NC	CA2KN31*		CA3KN31**		CA4KN31***	
4NO + 0NC	CA2KN40*		CA4KN40***			

(1) Compatible with PLC outputs

(2) Wide range coil (0.7...1.25Uc), suppressor fitted as standard

(3) 2 pole auxiliary contact block can be mounted additionally

(4) Optional in-built surge suppressor available

Power Contactors - K model (3 Pole AC & DC Control)



- Conformance to IEC, UL, CSA
- Current Rating : 6A to 16 A, AC-3 duty
- 1NO or 1NC inbuilt auxiliary contact
- Available in 3P & 4P version
- Available with AC (50/60Hz Dual frequency), DC & DC low consumption⁽⁵⁾ coil options

[Ie] Rated Operational Current (A)	Motor Power (kW)	Auxiliary Contacts	AC Control Reference	Unit LP [₹]	DC Control Reference ⁽⁵⁾	Unit LP [₹]
6	3	1 NC	LC1K0601*	980	LP1K0601**	1450
		1 NO	LC1K0610*		LP1K0610**	
9	5.5	1 NC	LC1K0901*	1020	LP1K0901**	1620
		1 NO	LC1K0910*		LP1K0910**	
12	7.5	1 NC	LC1K1201*	1130	LP1K1201**	1780
		1 NO	LC1K1210*		LP1K1210**	
16	10	1 NC	LC1K1601*	1350	-	-
		1 NO	LC1K1610*		-	-

(5) For low consumption offer, please contact regional sales office

Reversing Contactors - K model



- Conformance to IEC, UL, CSA, CE
- Current Rating : 6A to 16 A, AC-3 duty
- 1NO or 1NC inbuilt auxiliary contact
- Available in 3P & 4P version
- Available with AC(50/60Hz Dual frequency), DC & DC low consumption⁽⁶⁾ coil options

[Ie] Rated Operational Current (A)	Motor Power (kW)	Auxiliary Contacts	AC Control Reference	Unit LP [₹]
6	3	1 NC	LC2K0601*	3040
		1 NO	LC2K0610*	
9	5.5	1 NC	LC2K0901*	3210
		1 NO	LC2K0910*	
12	7.5	1 NC	LC2K1201*	3310
		1 NO	LC2K1210*	
16	10	1 NC	LC2K1601*	3710
		1 NO	LC2K1610*	

* Reference to be completed by adding coil voltage code

(6) For current rating and ref please contact Customer Care

Coil Voltage Code

Type	Voltage	24	48	72	110	220	415
AC*	CA2KN, LC1-K06 to K16, 50/60Hz	B7	-	-	F7	M7	N7
	LC2-K06 to K16, 50/60Hz	-	-	-	F7	M7	N7
DC**	CA3KN, LP1-K06 to K12	BD	-	-	FD	MD	-
DC low consumption***	CA4KN	BW3	EW3	SW3	-	-	-

Note: For ordering contactors with other coil voltages & frequencies, please add ₹ 190/- to the unit Price of the standard contactor of the same rating.

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NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Accessories - K Model

Description	Mounting	Contacts	Reference	Unit LP [₹]
Auxiliary contact block	Front	2 NC	LA1KN02	350
		1 NO + 1 NC	LA1KN11 <input checked="" type="checkbox"/>	
		2 NO	LA1KN20	
		4 NC	LA1KN04	550
		1 NO + 3 NC	LA1KN13	
		2 NO + 2 NC	LA1KN22 <input checked="" type="checkbox"/>	
		3 NO + 1 NC	LA1KN31	
				4 NO

Description	Control Voltage	Range	Reference	Unit LP [₹]
On Delay Electronic Timer	24..48 V AC/DC	1..30S	LA2KT2E(1)	1820
	110..240 V AC	1..30S	LA2KT2UA(1)	

Description	Coil Voltage	Reference	Unit LP [₹]
Surge Suppressor - RC Circuit	220..250V AC	LA4KA1U*	560
Surge Suppressor - Varistor	130..250 V AC/DC	LA4KE1UG*	
Surge Suppressor - Varistor	50..129V AC/DC	LA4KE1FC*	

* Lot size 5

(1) Front mounted with common point changeover contact

Thermal Overload Relays - K Model (Direct Mounting)



- Conformance to IEC, UL, CSA, CE
- Range : 0.1A to 16A
- Direct & Independent mounting
- Trip class 10A

Thermal Protection Adjustment Range	For Use With	Reference*	Unit LP [₹]
0.11...0.16 A	LC1K, LP1K, LP4K, LP2K, LC2K	LR2K0301	1560
0.16...0.23 A		LR2K0302	
0.23...0.36 A		LR2K0303	
0.36...0.54 A		LR2K0304	
0.54...0.8 A		LR2K0305	
0.8...1.2 A		LR2K0306	
1.2...1.8 A		LR2K0307	
1.8...2.6 A		LR2K0308	
2.6...3.7 A		LR2K0310	
3.7...5.5 A		LR2K0312	
5.5...8 A		LR2K0314	
8...11.5 A		LR2K0316	
10...14 A		LR2K0321	1600
12...16 A	LR2K0322		

* **Note:** Terminal Block for Clip-on Mounting LA7K0064 Unit LP ₹ 600/-

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

TeSys D and TeSys K S207: best-in-class contactors for railway applications

Designed to comply with
railway EN45545 R22HL3 regulation

**Contactors dedicated to main or urban line trains,
high speed trains, underground trains or trams:
brake and air conditioning compressors, lighting,
door control.**

- Complete 3P range from 6A to 95A AC3
- 4P range upto 125A AC1
- Complying with the main international railway standards
- Wide range coil: 0.7...1.25 Uc
- From -25°C to 70°C side by side mounted
- Lug ring terminals
- Compact and modular
- Robust

EN45545
R22HL3
standard
Now available
from 40A - 95A
AC3



• TeSys D S207



• TeSys K S207





TeSys D Green

The Revolutionary Electronic Coil Contactor







 **Green Premium™**
Product

New
80A AC3
offer available
in 55mm frame



3 frame sizes	9 to 18A	25 to 38A	40 to 80A
	24 to 60V	48 to 130V	
4 coil ratings	110 to 250V		250 to 500V
	Universal AC/DC coil		
Low consumption offer 40-65A			

-  Reliability - increase machine uptime
-  Efficiency - increase energy efficiency
-  Productivity - easier integration with automation architectures
-  Flexibility - easier design and streamlining of stock

Control Relays - D model (AC & DC Control)



- Conformance to IEC, UL, CSA
- 5 inbuilt auxiliary contacts, in just 2 variants
- Available with AC (50/60Hz Dual frequency), DC & DC low consumption coil options
- High Operating ambient temperature upto 60 Deg C
- Inbuilt surge suppressor for DC & DC low consumption

No of Poles	AC Control Reference	Unit MRP [₹]	DC Control Reference ⁽²⁾	Unit MRP [₹]	DC low consumption Reference ^{(1) (2) (3)}	Unit MRP [₹]
3NO+2NC	CAD32*	1200	CAD32**	1750	CAD32***	2080
5NO+0NC	CAD50*		CAD50**		CAD50***	

(1) Compatible with PLC outputs

(2) Wide range coil (0.7...1.25Uc), suppressor fitted as standard

(3) 2 pole auxiliary block can be mounted

Power Contactors - D Model (3 Pole AC & DC Control)



- Conformance to IEC, UL, CSA
- Current Rating : 9A to 150 A
- Available with AC (50/60Hz Dual frequency), DC & DC low consumption coil options
- High Operating ambient temperature, no derating upto 60 Deg C
- Inbuilt 1 NO + 1 NC auxiliary contacts upto 150A
- High electrical and mechanical life
- Fuse-less Type 2 Coordination Charts available
- EverLink® terminal for 40, 50, 65 & 80A contactors
- Inbuilt surge suppressor in DC coil for 9-80A

[le] Rated Operational Current AC1	AC3 Duty (Long Life)			AC3 Duty (Normal Life)			Auxiliary Contacts	AC Control Reference	Unit MRP [₹]	DC Control Reference ⁽¹⁾	Unit MRP [₹]
	kW	hP	A	kW	hP	A					
25	4	5.5	9	5.5	7.5	12	1 NO + 1 NC	LC1D09* <input checked="" type="checkbox"/>	1200	LC1D09** <input checked="" type="checkbox"/>	1870
	5.5	7.5	12	9	12.5	18	1 NO + 1 NC	LC1D12* <input checked="" type="checkbox"/>	1350	LC1D12** <input checked="" type="checkbox"/>	2030
32	9	12.5	18	11	15	25	1 NO + 1 NC	LC1D18* <input checked="" type="checkbox"/>	1500	LC1D18** <input checked="" type="checkbox"/>	2600
40	11	15	25	15	20	32	1 NO + 1 NC	LC1D25* <input checked="" type="checkbox"/>	1950	LC1D25** <input checked="" type="checkbox"/>	3250
50	15	20	32	22	30	40	1 NO + 1 NC	LC1D32* <input checked="" type="checkbox"/>	3850	LC1D32** <input checked="" type="checkbox"/>	6900
	18.5	25	38	-	-	-	1 NO + 1 NC	LC1D38* <input checked="" type="checkbox"/>	5600	LC1D38** <input checked="" type="checkbox"/>	7850
60	22	30	40	-	-	-	1 NO + 1 NC	LC1D40A* <input checked="" type="checkbox"/>	6000	LC1D40A**	9200
80	25	35	50	-	-	-	1 NO + 1 NC	LC1D50A* <input checked="" type="checkbox"/>	7250	LC1D50A**	11500
80	37	50	65	-	-	-	1 NO + 1 NC	LC1D65A* <input checked="" type="checkbox"/>	9900	LC1D65A**	13000
80	37	50	80	-	-	-	1 NO + 1 NC	LC1D80A* <input checked="" type="checkbox"/>	11000	LC1D80A*	15800

[le] Rated Operational Current AC1	AC3 Duty (Long Life)			AC3 Duty (Normal Life)			Auxiliary Contacts	AC Control Reference	Unit LP [₹]	DC Control Reference ⁽¹⁾	Unit LP [₹]
	kW	hP	A	kW	hP	A					
125	45	60	80	55	75	105	1 NO + 1 NC	LC1D80* <input checked="" type="checkbox"/>	13000	LC1D80**	16000
	45	60	95	55	75	110	1 NO + 1 NC	LC1D95*	15000	LC1D95**	18500
250	59	80	115	-	-	-	1 NO + 1 NC	LC1D115*	18500	LC1D115**	19500
	80	110	150	-	-	-	1 NO + 1 NC	LC1D150* <input checked="" type="checkbox"/>	24500	LC1D150**	25000

* Reference to be completed by adding coil voltage code

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

TeSys D

Power Contactors - D Model (3 Pole DC Low Consumption)

Now available upto 80A with the TeSys D Green Low Consumption offer

[Ie] Rated Operational Current AC1	Motor Power (Long Life) AC3			Motor Power (Normal Life) AC3			Auxiliary Contacts	Reference	Unit LP [₹]
	kW	hP	A	kW	hP	A			
25	4	5.5	9	5.5	7.5	12	1 NO + 1 NC	LC1D09**** <input checked="" type="checkbox"/>	2160
	5.5	7.5	12	9	12.5	18	1 NO + 1 NC	LC1D12**** <input checked="" type="checkbox"/>	2300
32	9	12.5	18	11	15	25	1 NO + 1 NC	LC1D18**** <input checked="" type="checkbox"/>	3400
40	11	15	25	15	20	32	1 NO + 1 NC	LC1D25**** <input checked="" type="checkbox"/>	4400
50	15	20	32	22	30	40	1 NO + 1 NC	LC1D32**** <input checked="" type="checkbox"/>	7500
[Ie] Rated Operational Current AC1	Motor Power (Long Life) AC3			Motor Power (Normal Life) AC3			Auxiliary Contacts	Reference	Unit LP [₹]
	kW	hP	A	kW	hP	A			
60	22	30	40	-	-	-	1 NO + 1 NC	LC1D40A#	9600
80	25	35	50	-	-	-	1 NO + 1 NC	LC1D50A#	11900
80	37	50	65	-	-	-	1 NO + 1 NC	LC1D65A#	13200
80	37	50	80	-	-	-	1 NO + 1 NC	LC1D80A#	15900

* Reference to be completed by adding coil voltage code

Coil Voltage Code

Type	Voltage	24	48	72	110	220	415
AC*	CAD, LC1-D09..to D150 50/60 Hz	B7	-	-	F7	M7	N7
DC**	CAD, LC1-D09..D150	BD	-	-	FD	MD	-
DC Low Consumption***	CAD	BL	-	-	FL	ML	-
DC Low Consumption****	LC1D09...D32	BL	EL	SL	-	-	-
TeSys D Green#	LC1D40A-80A	BBE					

For ordering contactors with other coil voltages & frequencies, please add ₹ 190/- to the unit Price of the Standard Contactor for the same rating.

Tesys D Green Contactor (3 Pole AC/DC Universal Coil)



- Current Rating: 9-65A
- Universal AC/DC coil from 24 - 500V
- Special low consumption offer from 40-80A
- Fuse-less Type 2 coordination charts available

The Revolutionary Electronic Coil Contactor

[Ie] Rated Operational Current AC1	AC3 Duty (Long Life)			AC3 Duty (Normal Life)			Auxiliary Contacts	Reference	Unit LP [₹]
	kW	hP	A	kW	hP	A			
25	4	5.5	9	5.5	7.5	12	1 NO + 1 NC	LC1D09*	2750
	5.5	7.5	12	9	12.5	18	1 NO + 1 NC	LC1D12*	2880
32	9	12.5	18	11	15	25	1 NO + 1 NC	LC1D18*	3850
40	11	15	25	15	20	32	1 NO + 1 NC	LC1D25*	4550
50	15	20	32	22	30	40	1 NO + 1 NC	LC1D32*	9000
	18.5	25	38	-	-	-	1 NO + 1 NC	LC1D38*	9900
60	22	30	40	-	-	-	1 NO + 1 NC	LC1D40A*	10900
80	25	35	50	-	-	-	1 NO + 1 NC	LC1D50A*	12000
80	37	50	65	-	-	-	1 NO + 1 NC	LC1D65A*	13600
80	37	50	80	-	-	-	1 NO + 1 NC	LC1D80A*	15800

[Ie] Rated Operational Current AC1	AC3 Duty (Long Life)			AC3 Duty (Normal Life)			Auxiliary Contacts	Reference	Unit LP [₹]
	kW	hP	A	kW	hP	A			
60	22	30	40	-	-	-	1 NO + 1 NC	LC1D40A****	9600
80	25	35	50	-	-	-	1 NO + 1 NC	LC1D50A****	11900
80	37	50	65	-	-	-	1 NO + 1 NC	LC1D65A****	13200
80	37	50	80	-	-	-	1 NO + 1 NC	LC1D80A****	15900

Coil Voltage Code

Type	Voltage	24-60VAC/DC	48-130VAC/DC	100-250VAC/DC	250-415VAC/250-500VDC
AC/DC*	LC1D09 - D38, LC1D40A - 80A	BNE	EHE	KUE	
24V DC Low Consumption**	LC1D40A - 80A	BBE (24 V DC only)			

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Power Contactors - D Model (4 Pole AC & DC Control)



- Conformance to IEC, UL, CSA
- Current Rating : 20A to 250A, AC1 Rating
- Available with AC (50/60Hz Dual frequency), DC & DC low consumption (1) coil options
- High Operating ambient temperature, no derating upto 60° C

[Ie] Rated Operational Current AC1	Poles Composition	AC control Reference	Unit MRP [₹]	DC control Reference	Unit MRP [₹]
20	4NO	-	-	LC1DT20**	1920
	2NO+2NC	-	-	LC1D098**	2290
25	4NO	-	-	LC1DT25**	2430
	2NO+2NC	-	-	LC1D128**	3210
32	4NO	-	-	LC1DT32**	2890
	2NO+2NC	-	-	LC1D188**	3830
40	4NO	-	-	LC1DT40**	4530
	2NO+2NC	-	-	LC1D258**	5960
60	4NO	-	-	LC1DT60A**	9510
	2NO+2NC	-	-	LP1D40008**	11860

[Ie] Rated Operational Current AC1	Poles Composition	AC control Reference	Unit LP [₹]	DC control Reference	Unit LP [₹]
80	4NO	-	-	LC1DT80A**	14190
	2NO+2NC	-	-	LP1D65008**	16030
125	4NO	-	-	LP1D80004**	17710
	2NO+2NC	-	-	LP1D80008**	20200
250	4NO	LC1D1150046*	23180	LC1D1150046**	25620

* Reference to be completed by adding coil voltage code

Coil Voltage Code

	VOLTAGE	24	110	220	415
AC*	LC1D115 50/60Hz	-	F7	M7	N7
DC**	LC1DT20..LC1DT80* , LC1D09*..LC1D25* , LP1D40..LP1D80* , LC1D115*	BD	FD	MD	-

Note: Please contact CCC for 4 Pole Ac coil contactor details

For ordering contactors with other coil voltages & frequencies, please add ₹ 190/- to the unit price of the standard contactor of the same rating.

(1) For current rating and ref please contact Customer Care

Capacitor Duty Contactors (AC Control)



- Conformance to IEC 60070 and 60831, CSA
- Special Contactors designed for switching of 3 Phase, single or multi step capacitor bank#
- Current limiting using block of early make poles and damping resistors
- Inbuilt auxiliary contacts

Nominal Reactive Power 440 V	Auxiliary Contacts	Reference	Unit MRP [₹]
LC1-D*K - with Damping Resistors & Block of Early Make poles			
12.5 KVAR	1 NO + 2 NC	LC1DFK*	2600
16.7 KVAR	1 NO + 1 NC	LC1DGK11*C	3650
20 KVAR	1 NO + 2 NC	LC1DLK*	4100
25 KVAR	1 NO + 1 NC	LC1DMK11*C	4500
33.3 KVAR	1 NO + 2 NC	LC1DPK*C	9800
40 KVAR	1 NO + 2 NC	LC1DTK*C	13500
60 KVAR	1 NO + 2 NC	LC1DWK*C	15200

#Contactor recommended upto 6 steps. For over 6 steps it is recommended to use chokes

* Reference to be completed by adding coil voltage code

* Coil Voltage Code

VOLTAGE	110	220
LC1DFK....DWK, 50/60Hz	F7	M7

Note: For ordering contactors with other coil voltages & frequencies, please add ₹ 190/- to the unit price of the standard contactor of the same rating.

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Description	For use with	Reference	Unit LP [₹]
Power connection accessories			
Terminal block	For supply to one or more GV2 G busbar sets	GV1G09	1350
Set of 63 A busbars for parallelling of contactors	2 contactors LC1 D09...D18 or D25...D38	GV2G245	1010
	4 contactors LC1 D09...D18 or D25...D38	GV2G445	1600
Set of 115 A busbars for parallelling of contactors	2 contactors LC1 D40A...D80A	GV3G264	1820
	3 contactors LC1 D40A...D80A	GV3G364 (1)	970
Set of S-shape busbars	For circuit breakers GV3P** & GV3L** and contactors LC1 D40A...D65A	GV3S	730

**Not applicable for GV3P/GV3L 73A and 80A

Description	For use with	Reference	Unit LP [₹]
Mechanical interlock	LC1 D09 to D38 (1)	LAD9V2	480
	LC1 D40A to D65A (1)	LAD4CM	980
	LC1 D80 and D95 (for AC control voltage) (2)	LA9D4002	2140
	LC1 D80 and D95 (for DC control voltage) (2)	LA9D8002	3200
	LC1 D115 and D150 (2)	LA9D11502	3240

(1) With this set of busbars, any one contactor can be supplied directly by its EverLink® double cage power terminal block.

The other two contactors are supplied by the busbar set. The 115 A limitation is therefore applied to these two contactors.

(2) With electrical interlock

Description	For use with	Reference	Unit LP [₹]
Power Connection for Reversing			
Kit Comprising : 1. a set of parallel bars 2. a set of reverser bars.	LC1 D09 to D38	LAD9V5 + LAD9V6	400+500
	LC1 D40A to D80A	LA9D65A69	2080
	LC1 D80 and D95 (for AC control voltage)	LA9D8069	4460
	LC1 D80 and D95 (for DC control voltage)	LA9D8069	4460
	LC1 D115 and D150	LA9D11569	7420

Description	For use with	Reference	Unit LP [₹]
Reversing Kit			
Kit Comprising : 1. A mechanical interlock LAD 9V2 with electrical interlocking LAD 9V1 2. A set of power connections LAD 9V5 (parallel) and LAD 9V6 (reversing).	LC1 D09 to D38	LAD9R1V	1000
Kit Comprising : 1. A mechanical interlock LAD 9V2 without electrical interlocking 2. A set of power connections LAD 9V5 (parallel) and LAD 9V6 (reversing).	LC1 D09 TO D38	LAD9R1	760
Kit Comprising : 1. a mechanical interlock LAD 4CM 2. a set of power connections LA9 D65A69.	LC1 D40A TO D80A	LAD9R3	2380

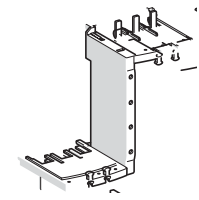
Description	For use with	Reference	Unit LP [₹]
Star Delta Kit			
Time delay contact block LAD S2 (LC1 D09...D80),	LC1 D09 and D12	LAD91217	3760
Power circuit connections (LC1 D09...D80),	LC1 D18 to D32	LAD93217	4840
Hardware required for fixing the contactors onto the mounting plate (LC1D80)	LC1 D40A AND D50A	LAD9SD3	9780
	LC1 D80	LA9D8017	10860



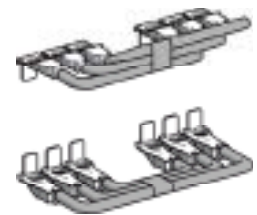
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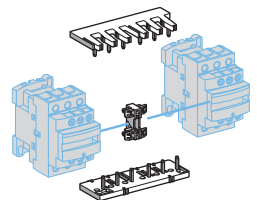
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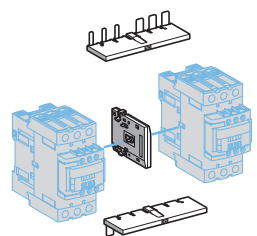
GV3S



LA9 D8069



LAD9R1



LAD9R3



LAD91217



LAD9SD3



LA9D8017

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

✓ NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Description	Time Delay Range	Timer Type	Reference	Unit LP [₹]
On delay timer ⁽¹⁾⁽²⁾	15...30 s	On delay	LA4DT2U	2800
On delay timer ⁽¹⁾⁽²⁾	0.1...2 s	On delay	LA4DT0U	
On delay timer ⁽¹⁾⁽²⁾	25...500 s	On delay	LA4DT4U	
Relay interface module - 24V DC ⁽¹⁾⁽²⁾	-	-	LA4DFB	2580

(1) For LC1 D09...38A (3P, AC coils only) add mounting adaptor LAD4BB = ₹ 590/- and for LC1 D40A...65A (3P, AC coils only), add mounting adaptor LAD4BB3 = ₹ 500/-.

(2) For LC1D80...150 (3P), direct mounting, for 100-250 V AC Coils only.

Mounting Location	For Use With Contactor	Reference	Unit LP [₹]
For D Model Mechanical Latch Blocks			
Front, Clip-on	LC1 D09...D38 (a or c) LC1 DT20...DT40 (a or c) LC1 D40A...D65A (3P a or c) LC1DT60A AND DT80A (4P a or c)	LAD6K10*	3370
	LC1 D80...D150 (3P a) LC1 D80 AND D115 (3 P c) LC1 D80 (4 P a) LC1 D80 AND D115 (4 P a) LP1 D80 AND LC1 D115 (4 P c)	LA6DK20*	3520

* Reference to be completed by adding coil voltage code

Note: For ordering Mechanical Latch Block with other coil voltages, please add ₹ 190/- to the unit price of the standard reference

*Coil Voltage Code

VOLTAGE (AC/DC)	24	42/48	110/127	220/240	380/415
Code	B	E	F	M	Q

Spare coils D model

Product Compatibility	Reference	Unit LP [₹]
AC Coils		
CAD, LC1-D09...D38, DT20..40	LXD1*	870
LC1D40A, D50A, D65A & LC1DT60A, DT80A	LXD3*	2340
D80 & D95 (3P & 4P)	LX1D6*	2430
LC1-D115,D150	LX1D8*	4770
DC Coils		
LC1-D80-D95	LX4D7**	7340
LC1-D115, D150	LX4D8**	8070

Note: For ordering coils with other voltages and frequencies, please add ₹ 190/- to the unit price of the respective standard coil.

* Reference to be completed by adding coil voltage code

Coil Voltage Code

TYPE	VOLTAGE (V)	24	110	220	415
AC*	CAD, LC1-D09...D38, DT20..40, LC1 - D150, LC1D40A, D50A, D65A & LC1DT60A, DT80A, LC1D150 LC1D80, D95, D115	B7	F7	M7	N7

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

Accessories - D Model

Description	For use with	Contacts	Reference	Unit LP [₹]	
Add On Blocks					
Additional instantaneous auxiliary contact blocks	LC1D09 ...LC1D150 & LC1F*	Front Mounted	1 NO+1NC	LADN11	330
			2 NO	LADN20 <input checked="" type="checkbox"/>	330
			2 NC	LADN02	390
			2 NO+2NC	LADN22 <input checked="" type="checkbox"/>	580
			4 NC	LADN04	650
			4 NO	LADN40 <input checked="" type="checkbox"/>	580
			1 NO+3NC	LADN13	580
	3 NO+1NC	LADN31 <input checked="" type="checkbox"/>	580		
	LC1D80..LC1D95 & LC1F	Front Mounted	1 NO	LADN10	210
			1 NC	LADN01	210

Description	Contacts	Reference	Unit LP [₹]	
Add On Blocks				
Additional instantaneous auxiliary contact blocks	Side Mounted ⁽¹⁾	1 NO+1NC 2 NO	LAD8N11 LAD8N20	940 940
Pneumatic timer blocks front mounted	ON delay	1 NO+1NC 0.1..3s	LADT0	2330
		1 NO+1NC 0.1..30s	LADT2	2330
		1 NO+1NC 10..180s	LADT4	2330
		1 NO+1NC 1..30s ⁽²⁾	LADS2 <input checked="" type="checkbox"/>	2480
	OFF delay	1 NO+1NC 0.1 ..3s	LADR0	2330
		1 NO+1NC 0.1 ..30s	LADR2 <input checked="" type="checkbox"/>	2330
		1 NO+1NC 10..180s	LADR4	2330
Set of shims to be used with 4 pole contactors		LA9D511	910	

(1) Suitable for mounting on D Model range AC Coil Contactors and Control Relays only

(2) With Switching time of 40 ms between opening of the NC contact and closing of the NO contact recommended for Star - Delta Starters

Accessories compatibility

Contactors		Instantaneous auxiliary contacts					Time delay Front mounted	
Type	Number of poles and size	Side mounted	Front mounted					
			1 contact	2 contact	4 contacts			
AC & AC/DC	3P	LC1 D09...D38	1 on LH side	and -	1	or 1	or 1	
		LC1 D40A...D80A	1 on LH or 1 on RH side	and -	1	or 1	or 1	
		LC1 D80 and D95A (50/60 Hz)	1 on each side	or 2	and 1	or 1	or 1	
		LC1 D80 and D95A (50 or 60 Hz)	1 on each side	and 2	and 2	or 1	or 1	
		LC1 D115 and D150	1 on LH side	and -	1	or 1	or 1	
	4P	LC1 DT20...DT40	1 on LH side	and -	1	or 1	or 1	
		LC1 DT60A and DT80A	1 on LH or 1 on RH side	and -	1	or 1	or 1	
		LC1 D40008, D65008 and D80	1 on each side	or 1	or 1	or 1	or 1	
		LC1 D115	1 on each side	and 1	or 1	or 1	or 1	
DC	3P	LC1 D09...D38	-	-	1	or 1	or 1	
		LC1 D40A...D80A	-	-	1	or 1	or 1	
		LC1 D80 and D95	-	1	or 1	or 1	or 1	
		LC1 D115 and D150	1 on LH side	and -	1	or 1	or 1	
		LC1 DT20...DT40	-	-	1	or 1	or 1	
	4P	LC1 DT60A and DT80A	-	-	1	or 1	or 1	
		LC1 D40008, D65008 and D80	-	2	and 1	or 1	or 1	
		LC1 D115	1 on each side	-	and 1	or 1	or 1	
LC (3)	3P	LC1 D09...D38	-	-	1	-	-	
	4P	LC1 DT20...DT40	-	-	1	-	-	

(3) LC : Low consumption

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Accessories for TeSys D

Description	For Use With	Reference	Unit LP [₹]
For Contactor D115/150			
Arc chamber - 3P	LC1D115	LA5D11550	4190
Arc chamber - 3P	LC1D150	LA5D15050	4190
Contacts set - 3P	LC1D115	LA5D1158031	11050
Contacts set - 3P	LC1D150	LA5D150803	11460
Contacts set - 4P	LC1D1150046	LA5D115804	15240

Product Compatibility	Fixing	Control Circuit Voltage	Suppressor Type	Reference	Unit LP [₹]
Coil Suppressor Modules					
LC1-D12...D25 (4P)	Clip-on	24...48 V AC	RC Circuit AC	LA4DA1E	860
LC1-D12...D25 (4P)		110...240 V AC	RC Circuit AC	LA4DA1U	860
LC1-D12 & D25 (4P)		12...250 V DC	Diode DC	LA4DC1U	860
LC1-D12...D25 (4P)		24...48 V AC/DC	Varistor AC/DC	LA4DE1E	860
-		110...250 V AC/DC	Varistor AC/DC	LA4DE1U	860
LC1D09...D38, LC2D09...D38, LC1DT20...DT40, LC2DT20...DT40 (3P)		24...48 V AC	Varistor AC/DC	LAD4VE	830
		24...48 V AC 400 Hz	RC Circuit AC	LAD4RCE	830
		50...127 V AC 200 Hz	RC Circuit AC	LAD4RCG	750
CAD		110...240 V AC 100 Hz	RC Circuit AC	LAD4RCU <input checked="" type="checkbox"/>	830
		110...250 V AC	Varistor AC/DC	LAD4VU	
LC1D80, LC1D95, LC2D80, LC2D95 (3P) LC2D80 (4P), LC1D40008, LC1D65008	Screw	24...250 V DC	Diode DC	LA4DC3U	860
LC1D80...D115, LC2D80...D115 (3P) LC1D80...D115, LC2D80...D115 (4P)		24...48 V AC	Varistor AC/DC	LA4DE2E	820
		110...250 V AC	Varistor AC/DC	LA4DE2U	820
		24...48 V AC 400 Hz	RC Circuit AC	LA4DA2E	820
		50...127 V AC 200 Hz	RC Circuit AC	LA4DA2G	1300
		110...240 V AC 100 Hz	RC Circuit AC	LA4DA2U	860
		380...415 V AC 150 Hz	RC Circuit AC	LA4DA2N	1300
		24...48 V DC	Varistor AC/DC	LA4DE3E	860
		110...250 V DC	Varistor AC/DC	LA4DE3U	820

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Modular marking system simplifies identification of standard contactors in the control panel to enhance visibility of the safety chain

Simple, customisable modular marking system

Standard TeSys D contactors

Easy-to-attach covers:



Auxiliary blocks for more contact points:



Flexibility to customise contactors included in the safety chain during panel building



Simpler and faster maintenance with 100% visibility



Safety covers and auxiliary blocks prevent screwdriver contact with poles

Standard TeSys U motor starters

Translucent labels to identify safety-chain devices:



Complete safety-chain identification system

TeSys D range

Retrofit contactor safety covers



LAD9ET1S
9A up to 65 A



LAD9ET3S
80A to 95A



LAD9ET4S
110A to 150A



LADN22S
2NO + 2NC

Also available for CAD32/CAD50

TeSys U range

Retrofit identification label



LU9ET1S

Built in Safety

TeSys U motor starters are certified according to IEC 60947-4-1 for safety applications thanks to integrated mirror contact

Description	For Use with	Reference	Unit LP [₹]
Red cover (for safety chain indication)	LC1 D09...D80A and DT20...DT80A	LAD9ET1S	460
	LC1 D80 and D95	LAD9ET3S	
	LC1 D115 AND D150	LAD9ET4S	
Auxiliary Contact Block With red front face - for safety chain indication	2NO+2NC	LADN22S	660

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Overload relays for Motor Safety

New TeSys LR9D electronic overload relays
provide motor safety tailored to your needs



Thermal Overload Relays - D Model



- Conformance to IEC, UL, CSA
- Range : 0.1A to 104 A
- Higher operating temperature
- Tripping class 10A & 20A available
- Direct mounting on contactor is possible upto 95A

Electronic Overload Relay - D Model



- Conformance to IEC, UL, CSA
- Range : 0.1A to 110A
- 5:1 Adjustment range
- High Operating Temperature
- Field selectable tripping class : 5, 10, 20 & 30
- Type 1 & type 2 Coordination chart available

Thermal Protection Adjustment Range	For Use With	Reference*	Unit MRP [₹]
LRD Model (Direct Mounting)			
0.1...0.16 A		LRD01	1580
0.16...0.25 A		LRD02	
0.25...0.4 A		LRD03	
0.4...0.63 A		LRD04	
0.63...1 A		LRD05 <input checked="" type="checkbox"/>	
1...1.6 A	GV2L03, LE03,	LRD06 <input checked="" type="checkbox"/>	
1.6...2.5 A	LC1D09...LC1D38	LRD07 <input checked="" type="checkbox"/>	
2.5...4 A		LRD08 <input checked="" type="checkbox"/>	
4...6 A		LRD10 <input checked="" type="checkbox"/>	
5.5...8 A		LRD12 <input checked="" type="checkbox"/>	
7...10 A		LRD14 <input checked="" type="checkbox"/>	1750
9...13 A		LRD16 <input checked="" type="checkbox"/>	
12...18 A		LRD21 <input checked="" type="checkbox"/>	1800
16...24 A	GV2L22, LC1D25...D38	LRD22 <input checked="" type="checkbox"/>	1800
23...32 A	LC1D25...LC1D38, LC1D32	LRD32 <input checked="" type="checkbox"/>	2950
30...38 A	LC1D32, LC1D38	LRD35	
23...32 A	LC1D40A...D65A	LRD332	3250
30...40 A	LC1D80...LC1D95	LRD3353	
30...40 A	LC1D40A...D65A	LRD340	
30...40 A	LC1D80...LC1D95	LRD3355	
37...50 A	LC1D40A...D65A	LRD350 <input checked="" type="checkbox"/>	4200
	LC1D80...LC1D95	LRD3357	4900
48...65 A	LC1D40A...D65A	LRD365	5300
62...80 A	LC1D80A	LRD380	5780
48...65 A	LC1D80...LC1D95	LRD3359	5300

Thermal Protection Adjustment Range	For Use With	Reference*	Unit LP [₹]
LRD Model (Direct Mounting)			
63...80 A	LC1D80...LC1D95	LRD3363	5900
80...104 A	LC1D80, LC1D95	LRD3365	7500

Note:

- For LRD01...LRD35 - Terminal Block for clip-on Mounting LAD7B106
Unit LP: ₹ 560/-
- For LRD33** - Terminal Block for clip-on Mounting LA7D3064
Unit LP: ₹ 1650/-
- For LRD332, LRD340, LRD350 & LRD365 - Connection block for separate mounting LAD96560 Unit LP: ₹ 1380/-
- The LRD relays can be used for AC or DC current up to 104 Amps
- For long starting, Class 20 relays are available on request.
- Device for remote tripping and electrical reset is available on request.

Current Range	For Use With	Reference*	Unit MRP [₹]
0.1...0.5A		LR9D01	6970
0.4...2.0A	LC1D09 - 38A	LR9D02	7290
1.6...8.0A	Direct Mounting	LR9D08	7290
6.4...32A		LR9D32	8360
22...110A	Separate Mounting	LR9D110S	12780

Note: For LR9D01 to LR9D32 - Terminal Block for Clip on Mounting LAD7B205. **Unit LP ₹. 700**

A perfect fit for power switching



TeSys F 1250 to 2600 A

Designed for demanding power switching applications. The complete, robust TeSys™ F range keeps pace with demanding AC1 applications in wind power, solar and more.

- Optimised size for reduced panel space
- Proven reliability & high electrical durability
- Wide operating temperature range: up to 60°C
- Type 1 & 2 coordination with Masterpact™ ACB
- Shared accessories with entire TeSys F range
- Drawer-mounted coils allow easy maintenance



Introducing the specially designed LC1SF1200* Contactor for solar PV applications

Power Contactors - F Model (3 Pole AC/DC Control)



- Conformity to International Standards – IEC, UL, CSA, CE
- High electrical life
- Type 2 Coordination Charts available
- Common accessories as Model D
- Rating : 115 - 2600 A, AC/DC Coils, special Hoisting application coils
- Shock Proof version and Magnetic latching contactor available

[Ie] Rated Operational Current AC1	Motor Power (Long Life) kW	Motor Power (Long Life) hP	AC3 A	Motor Power (Normal Life) kW	Motor Power (Normal Life) hP	AC3 A	Reference	Unit LP [₹]
200	59	80	115	80	110	150	LC1F115	15650
250	80	110	150	100	135	185	LC1F150	21500
275	100	135	185	110	150	205	LC1F185	25400
315	110	150	225	140	190	265	LC1F225	28300
350	140	190	265	160	220	300	LC1F265	33500
400	180	245	330	220	300	400	LC1F330	41000
500	220	300	400	250	340	450	LC1F400	45000
700	280	380	500	375	500	630	LC1F500	64000
1000	375	500	630	450	610	800	LC1F630	110200
1000	450	610	800				LC1F800	172000
1250	630	840	1000				LC1F1000	on Request

Note:

- Contactor reference does not include coil. Contactor coil & aux. contacts to be ordered separately.(Coil includes 1 NO contact)
- Please select coils from below table separately.

Power Contactors - F Model (2 Pole & 4 Pole AC/DC Control)



- Conformity to International Standards – IEC, UL, CSA
- 2 and 4 pole versions available
- 240-1600 Amps in AC-1 duty , AC/DC coils
- Common accessories same as Model D
- High electrical life

[Ie] Rated Operational Current AC1	Power Pole Composition	Reference	Unit LP [₹]
200 A	4 NO	LC1F1154	26800
250 A	4 NO	LC1F1504	32590
275 A	4 NO	LC1F1854	40630
315 A	4 NO	LC1F2254	47950
350 A	4 NO	LC1F2654	53560
400 A	4 NO	LC1F3304	63660
500 A	2 NO	LC1F4002	45130
500 A	4 NO	LC1F4004	75090
700 A	2 NO	LC1F5002	66410
700 A	4 NO	LC1F5004	109640
1000 A	2 NO	LC1F6302	107830
1000 A	4 NO	LC1F6304	159350
1600 A	4 NO	LC1F7804	340060

Note:

- Contactor reference does not include coil. Contactor coil & aux. contacts to be ordered separately.(Coil includes 1 NO contact)
- Power terminals may be protected by the addition of shrouds, to be ordered separately.

[Ie] Rated Operational Current AC1	Reference	Unit LP [₹]
1250	LC1F1250	on Request
1700	LC1F1700	
2100	LC1F2100(1)	
2600	LC1F2600(2)	

- (1) With set of right-angled connectors LA9 F2100
- (2) with set of right-angled connectors LA9 F2600

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Coils F Model

Product compatibility	AC Coil Reference	Unit LP [₹]	DC Coil Reference ⁽²⁾	Unit LP [₹]
LC1F115, LC1F150	LX9FF*	3250	LX4FF**	7250
LC1F185, LC1F225	LX9FG*	4500	LX4FG**	9650
LC1F265, LC1F330	LX1FH*	5600	LX4FH**	11750
LC1F400	LX1FJ*	11900	LX4FJ**	18600
LC1F500	LX1FK*	14200	LX4FK**	19200
LC1F630	LX1FL*	15700	LX4FL**	19900
LC1F780	LX1FX* (3)	37910	LX4FX** (3)	39820
LC1F800	(1)	-	LX4F8**	26900
LC1F1000, LC1F1700, LC1F2100	LX1FK*(3)	14200		
LC1F2600	LX1FL*(3)	15700		

Coil Voltage Code

Type	Voltage (V)	24	110	220	415
AC*	LC1F115--F225, LC1F400-630	-	110	220	415
	LC1F265, LC1F330	-	1102	2202	3802
	LC1F1000	-	55	110	220
	LC1F1700, 2100, 2600	-	65	110	220
DC**	LC1F115--LC1F330	24	110	220	-
	LC1F400--LC1F780	-	110	220	-
	LC1F800	-	FW	MW	-

Note: For ordering coils with other voltages and frequencies, please add ₹ 190/- to the unit Price of the respective standard coil.

Vacuum Contactors (3 Pole AC Control)

[Ie] Rated Operational Current		Motor Power		Auxiliary Contacts	Reference	Unit LP [₹]
AC1	AC3	kW	hP			
160 A	160 A	75	100	2 NO + 1 NC	LC1V160*	97010
320 A	320 A	160	213	1 NO + 1 NC	LC1V320*	130270
630 A	610 A	300	400	1 NO + 1 NC	LC1V610*	233660

* Coil Voltage Code

VOLTAGE	110-120	220-240	380-415	440-480	550-600
Code	FE7	P7	V7	R7	X7

Note: Accessories for Vacuum Contactors available on request, please contact our Sales Office.

Please replace (*) with the Corresponding Control Voltage.

(1) Use rectifier with required DC coil (Ref: DR5TE4U) LP ₹ 8940/-

(2) Coil with suppressor fitted as standard.

(3) Set of two coils to be connected in series.

Bar contactors



General Purpose offer

LC1B Range for standard applications

- From 750A to 1800A AC3
- From 800A to 2750A AC1

CR1B Magnetic latching contactors - 1000V

- From 750A to 1800A AC3
- From 800 to 2750A AC1

Special range of configurable bar contactors for Photovoltaic applications

- CV3BJ, for voltages between 1000 and 1500V DC
- Complete range of configurable bar contactors CV1*, CV3*

Special purpose offers for induction furnaces, DC excitation circuits of synchronous motors etc.

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

Accessories - D and F Model

Description	For use with	Contacts	Reference	Unit LP [₹]		
Add On Blocks						
Additional instantaneous auxiliary contact blocks	LC1D09 ...LC1D150 & LC1F	Front Mounted	1 NO+1NC	LADN11	330	
			2 NO	LADN20		
			2 NC	LADN02	390	
			2 NO+2NC	LADN22	580	
			4 NC	LADN04	650	
			4 NO	LADN40		
			1 NO+3NC	LADN13	580	
			3 NO+1NC	LADN31		
			LC1D80..LC1D95 & LC1F	1 NO	LADN10	210
				1 NC	LADN01	

Description	Contacts	Reference	Unit LP [₹]	
Add On Blocks				
Additional instantaneous auxiliary contact blocks	Side Mounted ⁽¹⁾	1 NO+1NC	LAD8N11	940
		2 NO	LAD8N20	
Pneumatic timer blocks front mounted	ON delay	1 NO+1NC 0.1..3s	LADT0	2330
		1 NO+1NC 0.1..30s	LADT2	
		1 NO+1NC 10..180s	LADT4	
		1 NO+1NC 1..30s ⁽²⁾	LADS2 <input checked="" type="checkbox"/>	
	OFF delay	1 NO+1NC 0.1 ..30s	LADR0	2330
		1 NO+1NC 0.1 ..30s	LADR2 <input checked="" type="checkbox"/>	
		1 NO+1NC 10..180s	LADR4	

(1) Suitable for mounting on D Model range AC Coil Contactors and Control Relays only

(2) With Switching time of 40 ms between opening of the NC contact and closing of the NO contact recommended for Star - Delta Starters

* Suitable for 80A, 95A & Model F contactors only

For Use With Contactor	Reference	Unit LP [₹]
Mechanical Interlocks ⁽¹⁾ - Horizontally Mounted		
LC1F115, LC1F150, LC1F1154, LC1F1504	LA9FF970	3080
LC1F185, LC1F1854, LC1F225, LC1F2254	LA9FG970	3560
LC1F265, LC1F330, LC1F400, LC1F500, LC1F2654, LC1F3304, LC1F4004, LC1F5004	LA9FJ970	3990
LC1F630, LC1F6304, LC1F800	LA9FL970	4440

(1) For assembly of 3/4 pole 2 contactors of identical rating. To obtain electrical interlocking, please order 2 contact blocks LADN11
All power connections are to be made by the user.

Main Contact Sets*	Reference	Unit LP [₹]
LC1F115, LC1F150	LA5FF431 <input checked="" type="checkbox"/>	16340
LC1F185, LC1F225	LA5FG431	23610
LC1F265	LA5FH431	31100
LC1F330, LC1F400	LA5F400803	37710
LC1F500	LA5F500803	48510
LC1F630	LA5F630803	77160
LC1F800	LA5F800803	96890

* For 3 Pole contactor (per pole: 2 fixed contacts and 1 moving contact, 2 deflectors, 1 backplate, fixing screws & washers.)

Description	For use with	110 V Reference	220 V Reference	Unit LP [₹]
Suppressor Blocks				
suppressor module clip on	All AC ratings	LA4FRCF	LA4FRCP	4150
suppressor bracket	For all LA4F	LA9D09981		430

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Product compatibility	110V Reference	220/230V Reference	415/440V Reference	Unit LP [₹]
Hoisting Applications - AC Coils				
LC1F265, LC1F330	LX9FH1102	LX9FH2202	-	16220
LC1F400	LX9FJ925	LX9FJ931	LX9FJ937	20030
LC1F500	LX9FK925	LX9FK931	LX9FK937	On request
LC1F630	LX9FL924	LX9FL931	LX9FL936	24610

Note: Rectifier is a must with the coil. Ref no. DR5TE4U for 110..230V & DR5TE4S* for 415..440V , LP ₹ 8940/- needs to be added extra with coil.

Product compatibility	48V Reference	110V Reference	220V Reference	440/460 V Reference	Unit LP [₹]
Hoisting Applications - DC Coils					
LC1F400	LX9FJ918	LX9FJ926	LX9FJ932	LX9FJ938	23980
LC1F500	LX9FK918	LX9FK926	LX9FK932	LX9FK938	25650
LC1F630	LX9FL918	LX9FL926	LX9FL931	LX9FL937	24610

Note:

- Resistor is a must with every coil as per the quantity mentioned.
- Economy Resistor to be selected from below table as per coil voltage code**

Contactors	110 V Reference	220 V Reference	440/460 V Reference	Unit LP [₹]
Economy Resistor				
• To be used with hoisting application DC coil				
LC1F400	1 X DR2SC0047	1 X DR2SC1200	1 X DR2SC4700	3090
LC1F500	1 X DR2SC0039	1 X DR2SC1000	1 X DR2SC3300	3090
LC1F630	2 X DR2SC0047	2 X DR2SC0047	2 X DR2SC3900	3090

Electronic Relays



- Conformity to International Standards – IEC, UL, CSA
- Direct mounting on contactors is possible upto 630A
- Higher operating temperature
- Tripping class 10

Thermal Protection Adjustment Range	Reference	Unit LP [₹]
LR9-F Electronic Protection Relays		
90...150 A	LR9F5369 <input checked="" type="checkbox"/>	9800
132...220 A	LR9F5371	13010
200...330 A	LR9F7375	11540
300...500 A	LR9F7379	15020
380...630 A	LR9F7381	16020

Accessories

Description	For Use With	Relay Type	Reference	Unit LP [₹]
For LR9 - F Relay				
Mounting plate LA7F		LR9-F5369	LA7F901	2900
		LR9-F5371		
		LR9-F7375	LA7F902	3900
		LR9-F7379		
		LR9-F7381		
Connection Accessories				
LA7F busbar	LC1F115	LR9-F5369	LA7F401	1960
	LC1F225/265	LR9-F5371	LA7F403	2820
	LC1F225-400	LR9-F7375	LA7F404	3010
		LR9-F7379		
		LR9-F7381		
	LC1F500	LR9-F7381	LA7F405	3560
LC1F630/800	LR9-F7381	LA7F406	3810	

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

Lineryg

Lineryg is tailored for your flexible panel needs (changes right up to the last minute)

Because Lineryg is:

Flexible



Safer



Reliable



Lineryg BZ
Power Busbars

- > Quick connection plates for Compact and TeSys offers
- > Multi-standard offering up to 630 A

Lineryg HK
"Hot Plug" Distribution

- > Panel easily upgradeable
- > Reliable "hot plug" modification or upgrade
- > Multi-standard system of up to 160 A

Lineryg FT
Device Feeders

- > Optimised productivity and efficiency of your control panel
- > Easy to install
- > High reliability

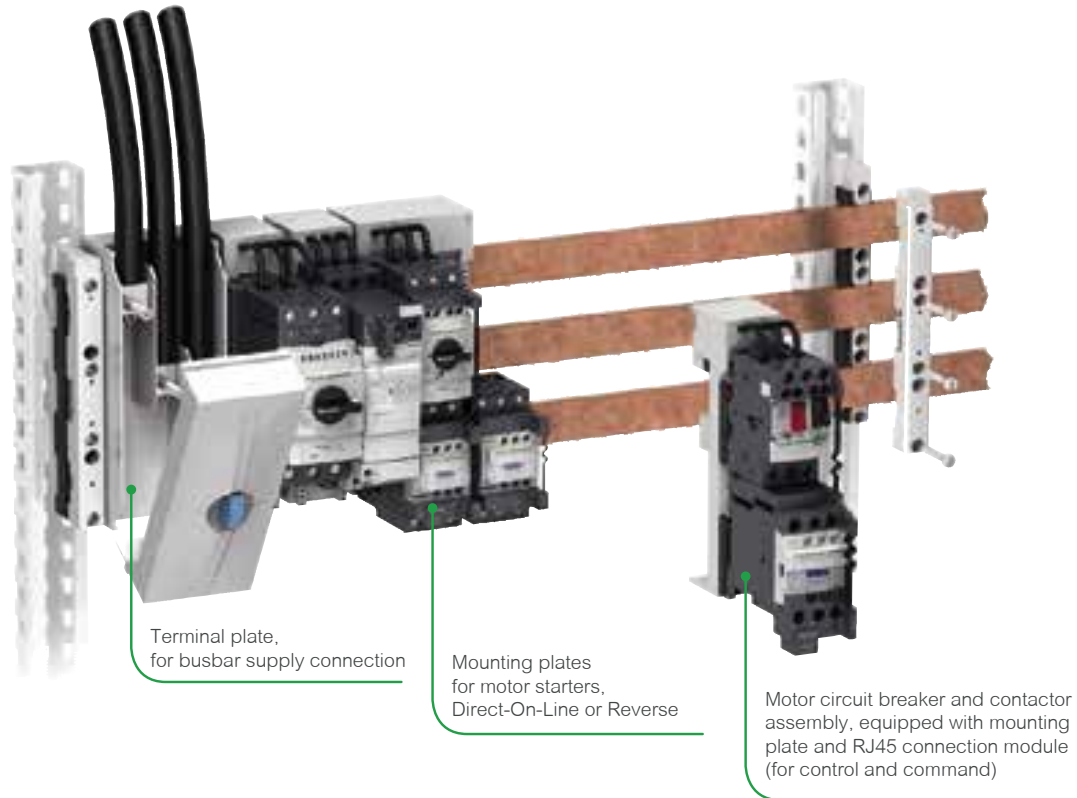
- > Quick Installation
- > Multi Standard Offer
- > Intuitive Solution

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

Lineryg BZ

Lineryg BZ, Multistandard power busbar system,
Application: power distribution to motor starters

In control switchboards, when space saving, quick mounting and replacement are required



Advantages

- Considerable space saving: components are directly mounted on the busbar
- Large choice of mounting plates (for GV2, GV3 motor circuit breakers and assemblies, GV7, TeSys U)
- Quick connection, disconnection (power off): clip-on mounting plates
- Vibration resistant busbar connections: no periodical re-tightening required

Detailed view: back face of a motor starter mounting plate

- A reliable electrical contact is ensured by copper blades
- The blue part locks the mounting plate on the busbar, compatibility is provided with standard profiles:
 - v Height 12, 15, 20, 25 or 30 mm,
 - v Width 5 or 10 mm

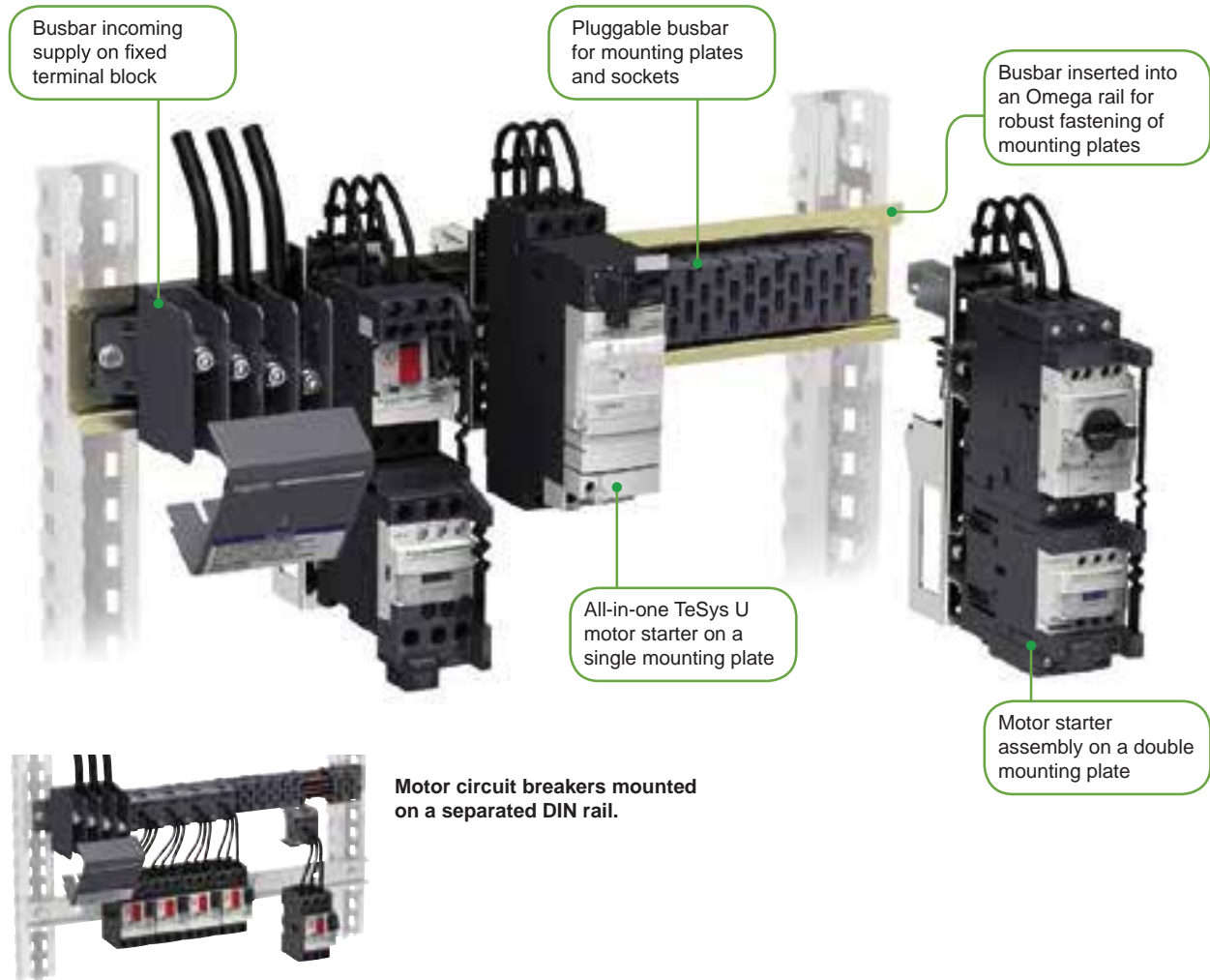


For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

Lineryy HK

Lineryy HK, Multistandard hot-plug busbar system,
Application: electrical distribution to motor starters

When compactness and continuity of service are required

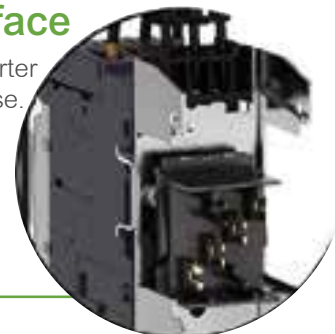


Advantages

- Space saving in compact enclosures: the total volume is reduced to that of the motor starter assemblies
- Preserved continuity of service during modification and maintenance: live connection, disconnection (off load)
- Wide adaptability: 6 busbar lengths from 344 to 1100 mm, 12 models of sockets, 23 mounting plates for motor starters up to 25 or 50 A

Detailed view: mounting plate back face

- Thanks to the plug and its pre-cabled wires the motor starter is safely assembled in the workshop, for immediate or later use.
- A piece of DIN profile rail is attached on the front face of the mounting plate for fastening the components.
- The metal mounting plate ensures a rigid and robust fastening on the omega rail.



For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

☑ NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Motor Circuit Breakers



- Conformance to IEC 60947 -1,-2,-4, conformity to International Standards - UL, CSA, CE
- Thermal magnetic circuit breakers range from 0.1-220 Amps
- High Breaking capacity up to 100 kA
- Wide range of accessories
- S-shaped busbar for side-by-side connection with 40 - 65A Contactor

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**		Thermal Protection Adjustment Range	Reference	Unit MRP [₹]
	kW	hP			

GV2-M Model Thermal Magnetic - With Push button Control (Economy)

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**		Thermal Protection Adjustment Range	Reference	Unit MRP [₹]	
	kW	hP				
100 kA	-	-	0.1 - 0.16	GV2ME01	3000	
	0.06	-	0.16 - 0.25	GV2ME02		
	0.09	-	0.25 - 0.40	GV2ME03		
	0.18	-	0.40 - 0.63	GV2ME04	3500	
	0.37	0.5	0.63 - 1.0	GV2ME05		
	0.55	0.75	1.0 - 1.6	GV2ME06	3550	
	0.75	1	1.6 - 2.5	GV2ME07		
	1.1	2	2.5 - 4	GV2ME08	3650	
15 kA ⁽¹⁾	2.2	3	4 - 6.3	GV2ME10	3650	
	3	5.5	6 - 10	GV2ME14	3650	
	5.5	7.5	9 - 14	GV2ME16	4200	
	7.5	10	13 - 18	GV2ME20	4450	
	9	12.5	17 - 23	GV2ME21	4800	
	11	15	20 - 25	GV2ME22	4800	
	10 kA ⁽¹⁾	15	20	24 - 32	GV2ME32	7750

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**		Thermal Protection Adjustment Range	Reference	Unit LP [₹]
	kW	hP			

GV2-P Model Thermal Magnetic - With Rotary Handle Control

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**		Thermal Protection Adjustment Range	Reference	Unit LP [₹]	
	kW	hP				
100 kA	-	-	0.1 - 0.16	GV2P01	3500	
	0.06	-	0.16 - 0.25	GV2P02		
	0.09	-	0.25 - 0.40	GV2P03		
	0.18	-	0.40 - 0.63	GV2P04	3950	
	0.37	0.5	0.63 - 1.0	GV2P05		
	0.55	0.75	1.0 - 1.6	GV2P06	4100	
	0.75	1.0	1.6 - 2.5	GV2P07		
	1.1	2	2.5 - 4	GV2P08	4400	
50 kA ⁽²⁾	2.2	3	4 - 6.3	GV2P10	4400	
	3	5.5	6 - 10	GV2P14	5200	
	5.5	7.5	9 - 14	GV2P16	5200	
	7.5	10	13 - 18	GV2P20	6150	
	9	12.5	17 - 23	GV2P21	6150	
	11	15	20 - 25	GV2P22	6150	
	35 kA ⁽²⁾	15	20	24 - 32	GV2P32	10400

GV3-P Range Thermal Magnetic - With Rotary Handle Control

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**	Thermal Protection Adjustment Range	Reference	Unit LP [₹]
50 kA	18.5	30...40 A	GV3P40	12200
	22	37...50 A	GV3P50	14900
	30	48...65 A	GV3P65	15600
	37	62...73 A	GV3P73	16050
	37	70...80 A	GV3P80	16050

** 50/60Hz - 415 V

- (1) With GV1-L3 current limiter, breaking capacity can be increased to 100 kA. Combination of the GV2-M with the D Model provides Type 2 coordination.
 (2) With GV1-L3 current limiter, breaking capacity can be increased to 100 kA. Combination of the GV2-P with the D Model provides Type 2 coordination.

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

☑ NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Motor Circuit Breakers



- Conformance to IEC 60947 -1,-2,-4
- Magnetic circuit breakers range from 0.1-80 Amps
- High Breaking capacity up to 100kA
- Wide range of accessories

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**		Magnetic Protection Rating (A)	Reference	Unit LP [₹]
	kW	hP			

GV2-LE Model Magnetic - With Rocker Lever Control (Economy) *

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**		Magnetic Protection Rating (A)	Reference	Unit LP [₹]
	kW	hP			
100 kA	0.09	-	0.4	GV2LE03	3250
	0.18	-	0.63	GV2LE04	
	0.37	0.5	1	GV2LE05	
	0.55	-	1.6	GV2LE06	
	1.1	1.5	2.5	GV2LE07	
	1.5	2	4	GV2LE08	
	2.2	3	6.3	GV2LE10	
	3	5.5	10	GV2LE14	
15 kA	5.5	7.5	14	GV2LE16	3730
	7.5	10	18	GV2LE20	
10 kA	11	15	25	GV2LE22	6400
	15	20	32	GV2LE32	

GV2-L Model Magnetic- With Rotary Handle Control *

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**		Magnetic Protection Rating (A)	Reference	Unit LP [₹]
	kW	hP			
100 kA	0.09	-	0.4	GV2L03	3850
	0.18	-	0.63	GV2L04	
	0.37	0.5	1	GV2L05	
	0.55	-	1.6	GV2L06	
	1.1	1.5	2.5	GV2L07	
	1.1	2	4	GV2L08	
	2.2	3	6.3	GV2L10	
	4	5.5	10	GV2L14	
50 kA	5.5	7.5	14	GV2L16	3850
	7.5	10	18	GV2L20	
10 kA	11	15	25	GV2L22	6400
	15	20	32	GV2L32	

GV3-L Range Magnetic - With Rotary Handle Control

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**	Thermal Protection Adjustment Range	Reference	Unit LP [₹]
50 kA	18.5	30...40 A	GV3L40	10150
	22	37...50 A	GV3L50	10370
	30	48...65 A	GV3L65	10720
	37	62...73 A	GV3L73	15000
	37	70...80 A	GV3L80	15000

* Conforming to IEC 60947-2-3-4

** 50/60Hz - 415 V

- GV2-L with the D Model contactor and LRD overload relay provides Type 2 Coordination

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**	Thermal Protection Adjustment Range	Reference	Unit LP [₹]

GV7-R Range Thermal Magnetic (220A, AC3)

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**	Thermal Protection Adjustment Range	Reference	Unit LP [₹]
35 kA	75	90 - 150	GV7RE150	30970
	110	132 - 220	GV7RE220	38070
70 kA	75	90 - 150	GV7RS150	35090
	110	132 - 220	GV7RS220	43020

* Conforming to IEC 60947-2 for Type 2 coordination

** 50/60Hz - 415 V.

Refer the new GV4* range of magnetic and thermal magnetic MPCBs on page 41 for motor ratings upto 55kW.

Accessories for Motor Circuit Breakers

Description	Reference	Unit LP [₹]
For GV2		
Front contact NO or NC ⁽¹⁾	GVAE1	680
Front contact NO + NC	GVAE11 <input checked="" type="checkbox"/>	830
	GVAE20	910
Side contact NO + NC	GVAN11 <input checked="" type="checkbox"/>	1000
	GVAN20	1000
Fault signalling contact +1 NO contact ⁽²⁾	GVAD1010 <input checked="" type="checkbox"/>	1300
Fault signalling contact +1 NC contact ⁽²⁾	GVAD1001	1300
Short circuit signalling contact block 1 C/O	GVAM11	1240
Undervoltage trip :		
110 ... 115V 50Hz	GVAU115	2300
220 ... 240V 50Hz	GVAU225	2380
380 ... 400V 50Hz	GVAU385	2380
Shunt trip :		
110 ... 115V 50Hz	GVAS115	2380
220 ... 240V 50Hz	GVAS225	2380
380 ... 400V 50Hz	GVAS385	2380
Additive limiter for increasing breaking capacity to 100kA for GV2ME and GV2P.	GV1L3	3840
Connection block - GV2 with contactor LC1-D09..D38	GV2AF3	470
Connection block - LS1 D32 or GV2 with contactor LC1-K or LP1-K	GV2AF01	500
Empty enclosure for GV2ME - plastic	GV2MP02	1720
	GV2MC02	1890

(1) Choice of NC or NO contact operation depending on which way round the reversible block is mounted.

(2) The GV-AD is always mounted next to the circuit breaker.

Busbars

Connection Pitch	No. of Tapoff Points	Reference	Unit LP [₹]
For GV2 Breakers			
45 mm	2	GV2G245	1010
	4	GV2G445	1600
54 mm	2	GV2G254	1190
	3	GV2G354	1340
	4	GV2G454	1680
72 mm	5	GV2G554	1820
	2	GV2G272	1430
	4	GV2G472	2050

Description	Reference	Unit LP [₹]
Accessories for Busbars		
Terminal block - to supply one or more 3-pole busbar GV2	GV2G05	2570
Protective end covers for unused busbar outlets	GV1G10	450
Terminal block for connection from top	GV1G09	1350

Accessories for Motor Circuit Breakers

Description	Reference	Unit LP [₹]
For GV2-P/GV2-L		
External operator - IP54, Black	GV2APN01 <input checked="" type="checkbox"/>	2390
External operator - IP54, Yellow/Red	GV2APN02	4400
Visible isolation block - for motor circuit breaker GV2	GV2AK00	2000
For GV3P/GV3L		
Auxiliary Contacts		
Front contact: 1 NO (fault) + 1 NC (Auxiliary)	GVAED011	860
Front contact: 1 NO (fault) + 1 NO (Auxiliary)	GVAED101	950
Busbar		
3-pole, 3 tap, 64 mm pitch	GV3G364	970
S-shape bus bar	GV3S	730
External Operator		
IP54, Black	GV3APN01	2850
IP54, Yellow/Red	GV3APN02	2740

Note: All other accessories are same as of GV2.

Busbars GV3G364 and GV3S are not compatible with GV3*73 and GV3*80.

Description	Operating Voltage	Reference	Unit LP [₹]
For GV7			
Accessory for direct rotary handle mount on door ⁽²⁾	-	GV7AP05	1570
Auxiliary contact - 1 OC	-	GV7AE11 <input checked="" type="checkbox"/>	1540
Clip-on connector - upto 150 A - 1.5..95 mm ²	-	GV7AC021	630
Clip-on connector- upto 220 A - 1.5..185 mm ²	-	GV7AC022	600
Fault discrimination Device	24...72V DC/ 24...48V AC	GV7AD111	4530
	110 ... 240V AC/ DC	GV7AD112	4530
Front rotary handle GV7AP GV7R - black handle ⁽²⁾	-	GV7AP03	2660
	-	GV7AP01	4630
Padlocking device - 1..3 padlocks Ø 5.8mm shank ⁽³⁾	-	GV7V01	730
Phase barriers	-	GV7AC04	810
Terminal shields IP405 ⁽¹⁾	-	GV7AC01	1640

For GV7			
Shunt release	110...130 V AC 50/60 Hz	GV7AS107	3520
	200...240 V AC 50/60 Hz	GV7AS207	3520
	380...440 V AC 50/60 Hz	GV7AS387	3390
Under Voltage release	110...130 V AC 50/60 Hz	GV7AU107	3630
	200...240 V AC 50/60 Hz	GV7AU207	3630
	380...440 V AC 50/60 Hz	GV7AU387	3630
3-pole spreader - for Motor circuit breaker GV7 45 mm pitch		GV7AC03	1050

(1) Terminal shields cannot be used together with spreaders.

(2) For mounting direct rotary handle on enclosure door. This accessory makes it possible to open the door if the device is closed and prevents the device from being closed if the door is open.

(3) For Circuit breaker not fitted with a rotary handle

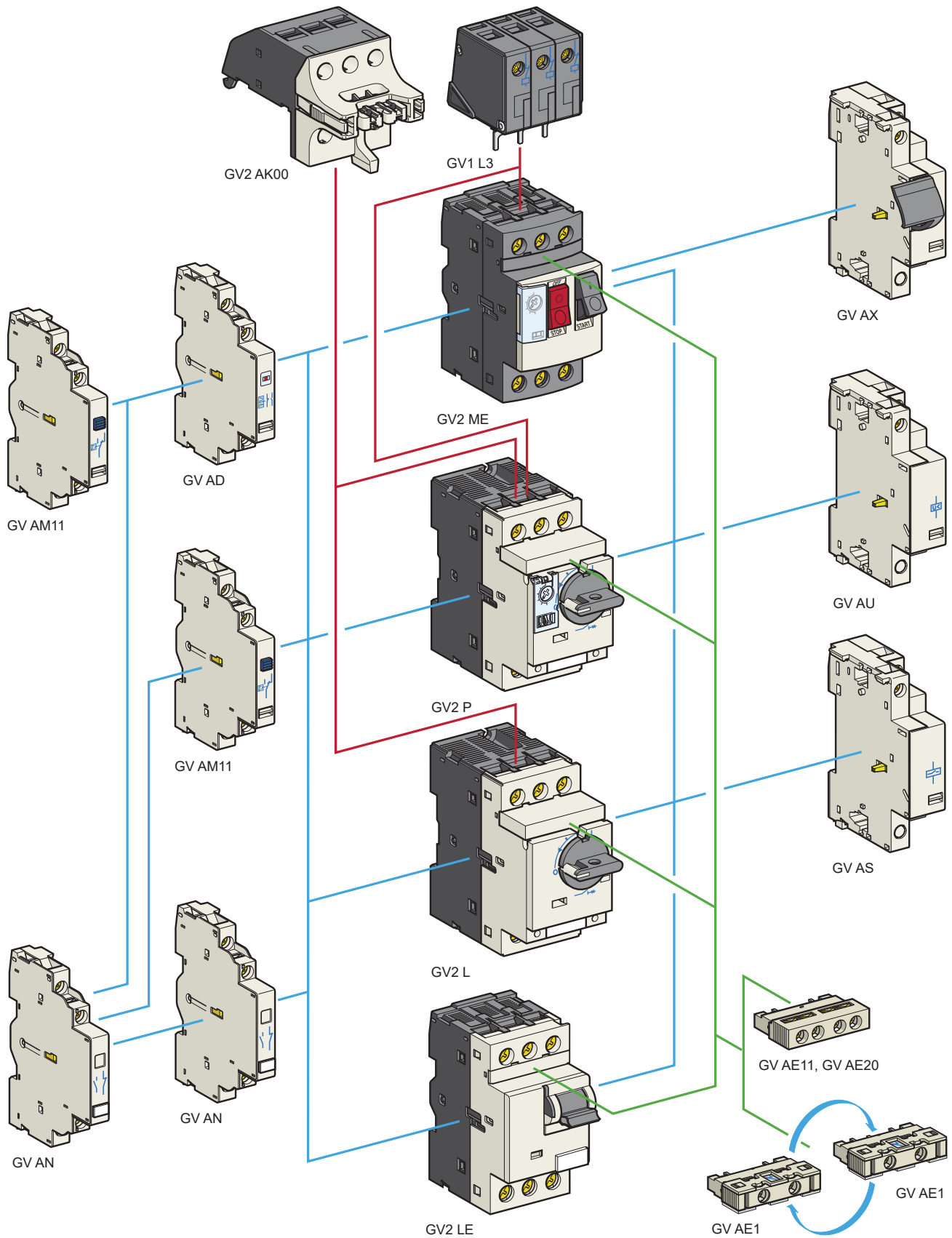
For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

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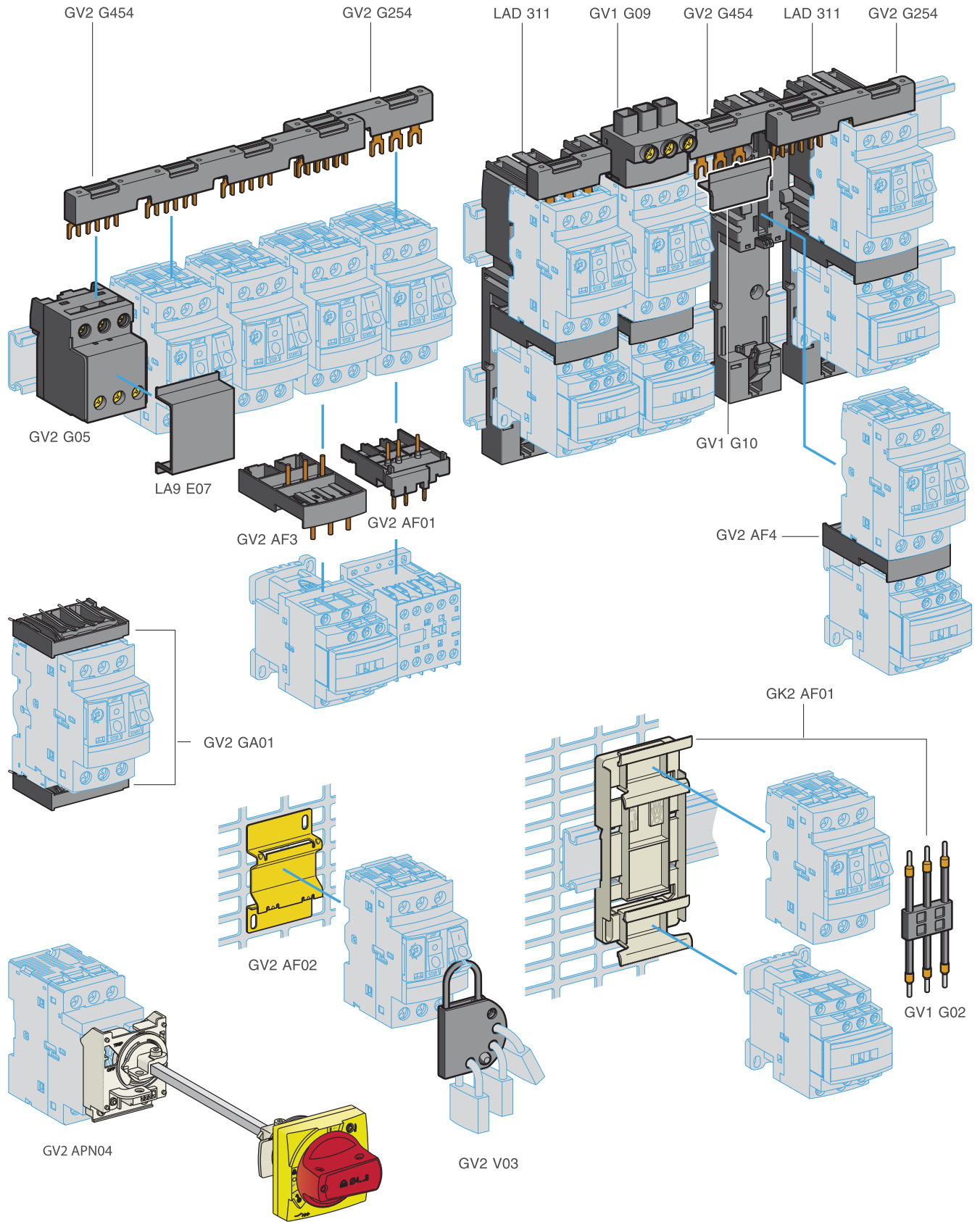
Accessories compatibility



For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

TeSys

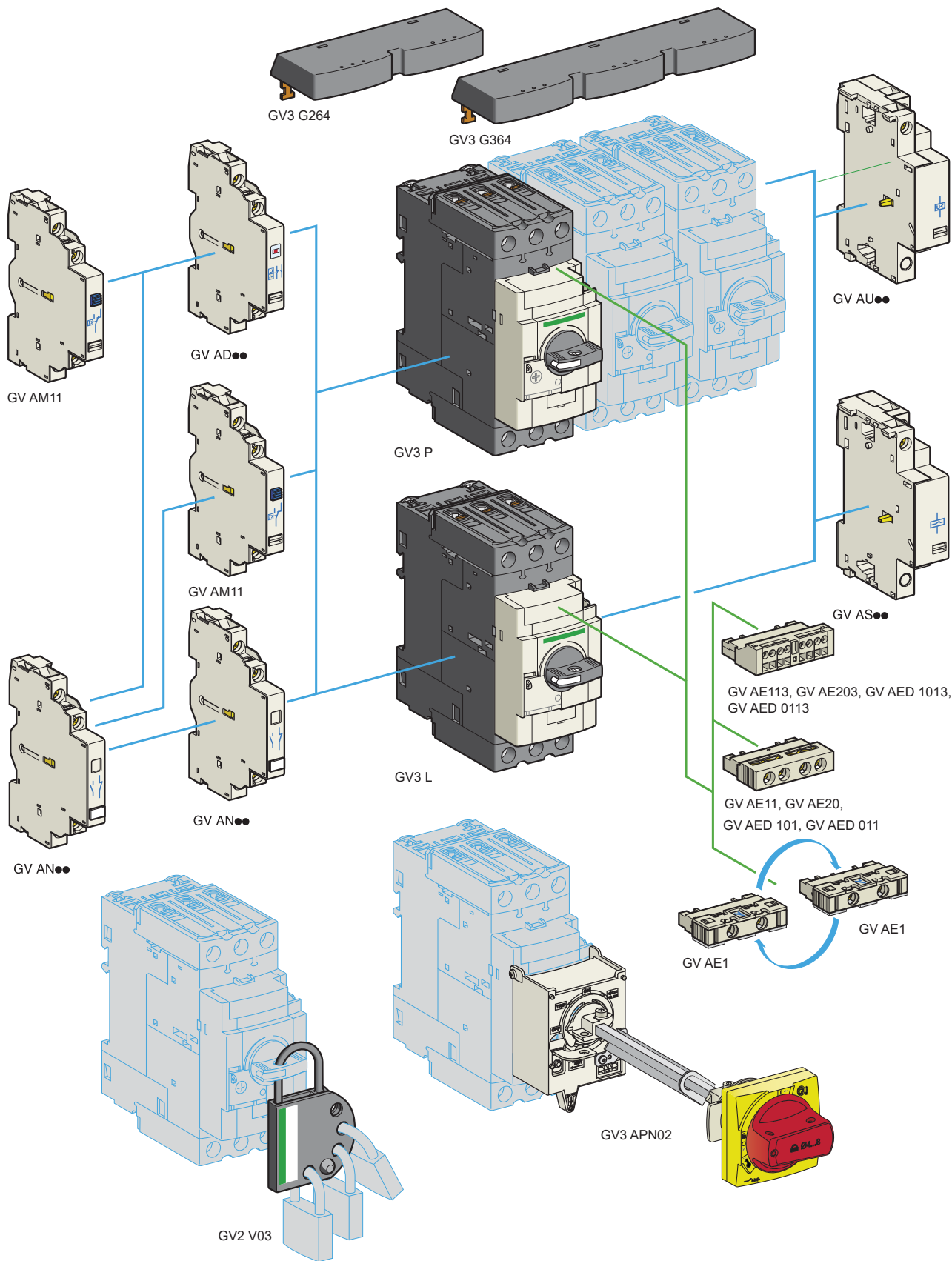
Accessories compatibility



For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

TeSys

Accessories compatibility



For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

Introducing New TeSys GV4

Motor circuit breakers



New TeSys GV4

- Compact and Robust, covering motors upto 55kW- Breaking capacity upto 100kA
- Available with magnetic, electronic thermal magnetic and advanced protection functions including alarming, jam, long start etc
- Equipped with patented EverLink power connections for the entire range, ensuring 100% reliable connections
- Type II coordination with TeSys range of contactors, including TeSys T motor controllers

GV4LE/GV4L



- IEC/EN 60947-1, IEC/EN 60947-2, CCC, EAC
- Can be used with class 5, 10 or 20 relay
- Short circuit protection
- From 0.25 - 55kW

Magnetic Protection Toggle Control

Motor Power AC3 (400/415V AC)		In (A)	Magnetic setting range A	25kA breaking capacity		50kA breaking capacity		100kA breaking capacity	
kW	hP			Reference	LP	Reference	LP	Reference	LP
0.25..0.75	0.3..1	2	12..28	-	-	GV4LE02N	on request	GV4LE02S	on request
0.55..1.5	0.7..2	3.5	21..49	-	-	GV4LE03N		GV4LE03S	
1.5..3	2..4	7	42..96	-	-	GV4LE07N		GV4LE07S	
3..5.5	4..7.5	12.5	75..175	-	-	GV4LE12N		GV4LE12S	
5.5..11	7.5..14	25	150..350	GV4LE25B	on request	GV4LE25N		GV4LE25S	
11..22	15..30	50	300..700	GV4LE50B		GV4LE50N		GV4LE50S	
18.5..37	25..50	80	480..1120	GV4LE80B	12800	GV4LE80N	15000	GV4LE80S	21700
30..55	40..75	115	690..1610	GV4LE115B	12800	GV4LE115N	15000	GV4LE115S	21700

Magnetic Protection Rotary Handle Control

Motor Power AC3 (400/415V AC)		In (A)	Magnetic setting range A	25kA breaking capacity		50kA breaking Capacity	
kW	hP			Reference	LP	Reference	LP
0.25..0.75	0.3..1	2	12..28	-	-	GV4L02N	on request
0.55..1.5	0.7..2	3.5	21..49	-	-	GV4L03N	
1.5..3	2..4	7	42..96	-	-	GV4L07N	
3..5.5	4..7.5	12.5	75..175	-	-	GV4L12N	
5.5..11	7.5..14	25	150..350	GV4L25B	on request	GV4L25N	
11..22	15..30	50	300..700	GV4L50B		GV4L50N	
18.5..37	25..50	80	480..1120	GV4L80B	13500	GV4L80N	15800
30..55	40..75	115	690..1610	GV4L115B	13500	GV4L115N	15800

GV4PE/GV4P



- IEC/EN 60947-1, IEC/EN 60947-2, IEC/EN 60947-4-1, UL 60497-4-1, CCC, EAC, CSA
- Overload or thermal protection
- Short time delay protection
- Short circuit protection
- Phase unbalance or phase loss
- Front indications through LED

Thermal Magnetic Protection Toggle Control

Motor Power AC3 (400/415V AC)		In (A)	Thermal setting range A	25kA breaking capacity		50kA breaking Capacity		100kA breaking Capacity	
kW	hP			Reference	LP	Reference	LP	Reference	LP
0.25..0.75	0.3..1	2	0.8..2	-	-	GV4PE02N	on request	GV4PE02S	on request
0.55..1.5	0.7..2	3.5	1.4..3.5	-	-	GV4PE03N		GV4PE03S	
1.5..3	2..4	7	2.9..7	-	-	GV4PE07N		GV4PE07S	
3..5.5	4..7.5	12.5	5..12.5	-	-	GV4PE12N		GV4PE12S	
5.5..11	7.5..14	25	10..25	GV4PE25B	on request	GV4PE25N		GV4PE25S	
11..22	15..30	50	20..50	GV4PE50B		GV4PE50N		GV4PE50S	
18.5..37	25..50	80	40..80	GV4PE80B	16380	GV4PE80N	18500	GV4PE80S	22150
30..55	40..75	115	65..115	GV4PE115B	16380	GV4PE115N	18500	GV4PE115S	22150

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

GV4P

Thermal Magnetic Protection Rotary Handle Control

Motor power AC3**		In	Thermal setting range	25kA breaking capacity		50kA breaking Capacity	
kW	hP	(A)	A	Reference	LP	Reference	LP
0.25..0.75	0.3..1	2	0.8..2	-	-	GV4P02N	on request
0.55..1.5	0.7..2	3.5	1.4..3.5	-	-	GV4P03N	
1.5..3	2..4	7	2.9..7	-	-	GV4P07N	
3..5.5	4..7.5	12.5	5..12.5	-	-	GV4P12N	
5.5..11	7.5..14	25	10..25	GV4P25B	on request	GV4P25N	
11..22	15..30	50	20..50	GV4P50B		GV4P50N	
18.5..37	25..50	80	40..80	GV4P80B	17200	GV4P80N	19400
30..55	40..75	115	65..115	GV4P115B	17200	GV4P115N	19400

* Reference to be completed by adding coil voltage code BD (24 V DC) or FU (110-230V AC)

GV4PEM



- IEC/EN 60947-1,-2,-4-1, UL 60947-4-1, CCC, EAC, CSA
- Short circuit and overload protection
- Embedded protection functions: jam, long start, phase unbalance or phase loss, ground fault
- LED indication on front face
- Remote indication, fault differentiation and alarming with the SDx module



Fully configurable on NFC using the TeSys GV4 app, available for select Android devices

Multifunction Advanced Protection Toggle Control

Motor power AC3**		In	Thermal setting range	25kA breaking capacity		50kA breaking Capacity		100kA breaking Capacity	
kW	hP	(A)	A	Reference	LP	Reference	LP	Reference	LP
0.25..0.75	0.3..1	2	0.8..2	-	-	GV4PEM02N	on request	GV4PEM02N	on request
0.55..1.5	0.7..2	3.5	1.4..3.5	-	-	GV4PEM03N		GV4PEM03N	
1.5..3	2..4	7	2.9..7	-	-	GV4PEM07N		GV4PEM07N	
3..5.5	4..7.5	12.5	5..12.5	-	-	GV4PEM12N		GV4PEM12S	
5.5..11	7.5..14	25	10..25	GV4PEM25B	on request	GV4PEM25N	36000	GV4PEM25S	41000
11..22	15..30	50	20..50	GV4PEM50B	33000	GV4PEM50N	36000	GV4PEM50S	41000
22..37	25..50	80	40..80	GV4PEM80B	34500	GV4PEM80N	37000	GV4PEM80S	42000
37..55	40..75	115	65..115	GV4PEM115B	34500	GV4PEM115N	37000	GV4PEM115S	42000

Auxiliary Contact Blocks



An auxiliary contact block provides one changeover contact with one common point for OF and SD function, depending on where it is inserted

Open/Close OF Function: indicates position of the circuit breaker contacts

Trip Alarm SD Function: indicates circuit breaker tripping due to:

- Electrical fault (overload, short circuit)
- Shunt trip/Undervoltage release
- "Push to Trip" Function

Resets when the circuit breaker is reset

Description	Maximum Number	Mounting	Type of Contacts	Reference	LP
Auxiliary Contact Block	2 (1 Each For Of Or Sd)	Internal Plug-In	NO+NC	GV4AE11	770

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

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MX Shunt Trip

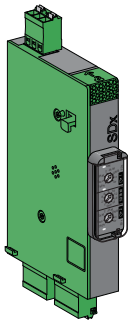
- Trips the circuit breaker when the control voltage rises above 70% of rated voltage
- Shunt trip 110..130V AC is suitable.. etc for ground fault protection when combined with a Class I ground fault sensing element

MN Under Voltage Release

Trips the circuit breaker when the control voltage drops below 35% of its rated voltage

Description	Maximum Number	Mounting	Voltage	References	LP
Mx Shunt Trip	1	Internal, Plug-In	24 VAC 50/60 HZ, 24 VDC	GV4AS027	2020
			48 VAC 50/60 HZ, 48 VDC	GV4AS057	2020
			110-130 VAC 50/60 HZ, 125 VDC	GV4AS137	2020
			220-240 VAC 50 HZ, 208-240 VAC 60 HZ, 277 VAC 60 HZ	GV4AS287	2020
			380-415 VAC 50 HZ, 440-480 VAC 60 HZ	GV4AS487	2020
Mn Undervoltage Release	1	Internal, Plug-In	24 VAC 50/60 HZ, 24 VDC	GV4AU027	2640
			48 VAC 50/60 HZ, 48 VDC	GV4AU057	2640
			110-130 VAC 50/60 HZ, 125VDC	GV4AU137	2640
			220-240 VAC 50 HZ, 208-240 VAC 60 HZ	GV4AU247	2640
			277 VAC 60 HZ	GV4AU286	2640
			380-415 VAC 50 HZ	GV4AU415	2640
			440-480 VAC 60 HZ	GV4AU486	2640

SDx Contact Module (For GV4PEM)



Provides fault differentiation and alarming for GV4PEM

2 NO/NC outputs dry contacts which can be assigned to any of the following 8 SD status

- SDT95% overload alarm when thermal image of the motor exceeds 95% of permissible temp rise
- SDTXXS overload alarm will trip in 10-40s (adjustable) with the same load
- SDTAM overload alarm before tripping - for phase imbalance, overload, jam, activates to open contactor before cb tripping
- SDT overload trip indication
- SDJAM jam trip indication
- SDUNB phase imbalance trip indication
- SDLS long start trip indication
- SDGF ground fault trip indication

Description	Maximum Number	Mounting	Type of Contacts	References	LP
SDx Alarming/Fault Differentiation Module	2	SIDE	NO/NC	GV4ADM1111	on request

Rotary Handles

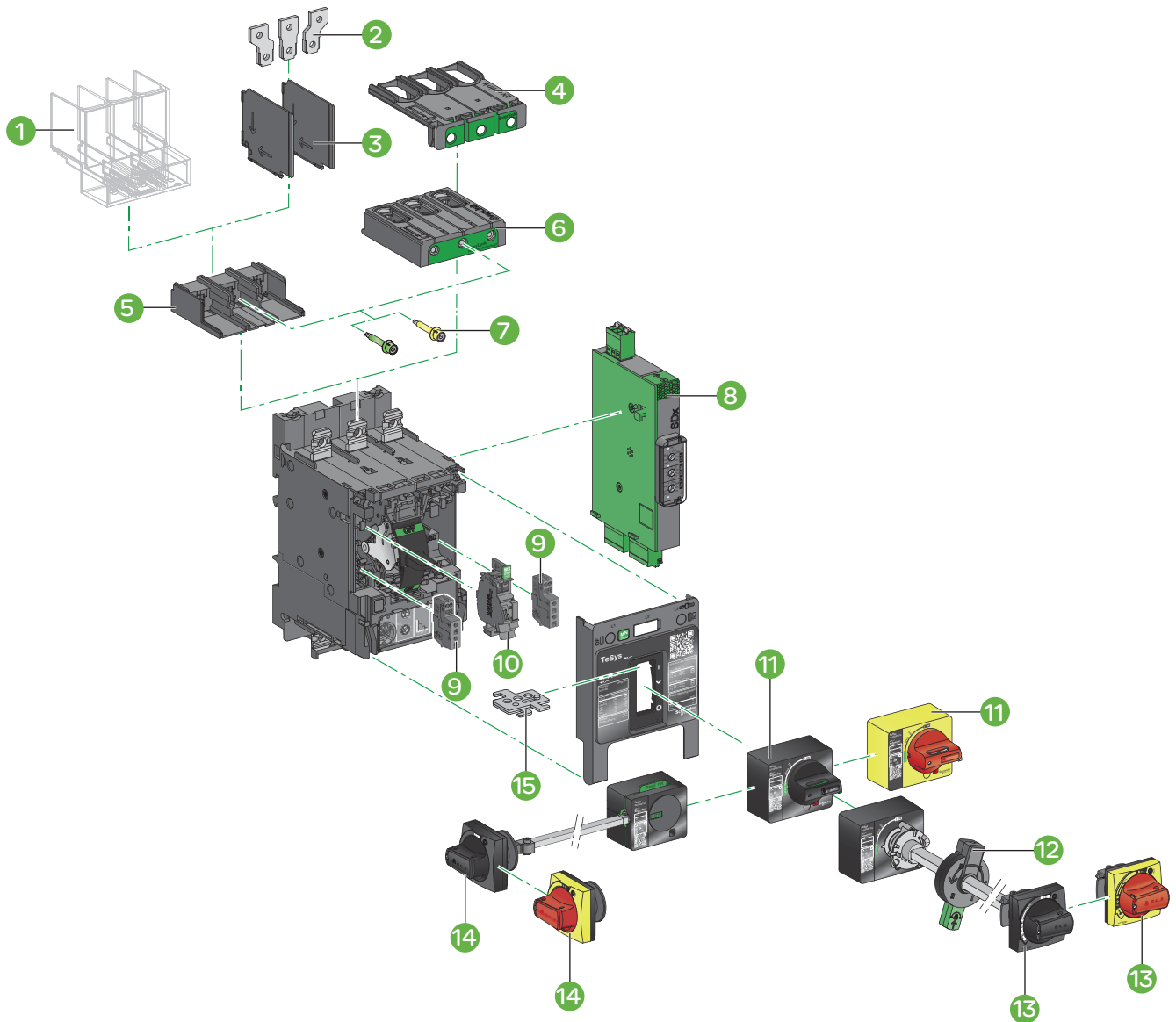
Description	Type	Degree of Protection	Reference	LP
Direct Mounting Rotary Handle	Black	IP40	GV4ADN01	1060
	Red Handle on Yellow Bezel	IP40	GV4ADN02	1060
Front Extended Rotary Handle (Min Shaft Length 214Mm/Max Shaft Length 627Mm)	Black	IP54	GV4APN01	1570
	Red Handle on Yellow Bezel	IP54	GV4APN02	1570
	Red Handle on Yellow Bezel	IP65	GV4APN04	1650
Side Rotary Handle (Left or Right)	Black	IP54	LV426935	2690
	Red Handle on Yellow Bezel	IP54	LV426936	2690

Connection Accessories

Description	Reference	LP
Spreader 3-pole (To increase pitch to 35mm) (1 pce)	LV426940	580

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

TeSys GV4 Overview



- ① Long terminal shield LAD96590
- ② Terminal spreaders LV426940
- ③ Interphases barriers LV426920
- ④ Large spacing cover for EverLink connector GV4G66
- ⑤ Crimp lug connector GV4LUG
- ⑥ EverLink® connector LAD96595
- ⑦ Torque limiting breakaway bits LV42699p
- ⑧ SDx alarming/fault differentiation module GV4ADM1111 (only with GV4PEM)
- ⑨ Auxiliary contact block for OF or SD function GV4AE11
- ⑩ - MN undervoltage release GV4AUpp
- MX shunt trip GV4ASpp
- ⑪ Direct mounting black or red on yellow bezel rotary handle GV4ADN01/ GV4ADN02
- ⑫ Open door shaft operator (for front extended rotary handle) LV426937
- ⑬ Front extended rotary handle kit with red handle on yellow bezel or black handle GV4APN01/ GV4APN02 /GV4APN04
- ⑭ Side rotary handle kit with red handle on yellow bezel or black handle LV426935/LV426936.
- ⑮ Toggle locking device 29370

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

Vario Switch Disconnectors

[Ith] Conventional Thermal Current**	Poles Description	Rated Operational Power (AC 23)*	Reference	Unit LP [₹]
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Complete Enclosed Switches

• Range 12 to 175 A, IP 65 Sealable and Lockable

10 A	3P	4 KW	VCF02GE	2340
16 A	3P	5.5 KW	VCF01GE	2550
20 A	3P	7.5 KW	VCF0GE	3100
25 A	3P	11 KW	VCF1GE	3330
32 A	3P	15 KW	VCF2GE	3900
50 A	3P	22 KW	VCF3GE	6030
63 A	3P	30 KW	VCF4GE	7060

* Rated Power at 415 V

** Ith in enclosure

For Switch Type (Amps)	Mounting Arrangement	Ingress	Reference	Unit LP [₹]
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Operators (Padlockable)

12 - 40 A	4 Screw Fixing	IP65	KCF1PZ	510
63 - 80 A	4 Screw Fixing	IP65	KCF2PZ	540
125 - 175 A	4 Screw Fixing	IP40	KCF3PZ	2220

Vario Switch Disconnectors

[Ith] Conventional Thermal Current	Poles Description	Reference	Unit LP [₹]
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Complete Switch with Padlockable Operator

• Suitable for Front Mounting or Base Mounting

12A	3P	VCF02	1470
20 A	3P	VCF01	1600
25 A	3P	VCF0	1870
32 A	3P	VCF1	1960
40 A	3P	VCF2	2430
63 A	3P	VCF3	3810
80 A	3P	VCF4	4120
125 A	3P	VCF5	9440
175 A	3P	VCF6	11440

Switch Bodies

12A	V02	960
20 A	V01	1110
25 A	V0	1320
32 A	V1	1600
40 A	V2	1960
63 A	V3	2730
80 A	V4	3590
125 A	V5	7280
175 A	V6	9290

Accessories

Description	For Use with Switch Bodies	Rating Pole	Pole Composition	Earth Contact	Auxiliary Contacts	Reference	Unit LP [₹]
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Vario Add-on Modules ⁽¹⁾

Main Pole Module	V02/VCF02	12 A	1P	-	-	VZ02	680
	V01/VCF01	20 A	1P	-	-	VZ01	700
	V0/VCF0	25 A	1P	-	-	VZ0	740
	V1/VCF1	32 A	1P	-	-	VZ1	730
	V2/VCF2	40 A	1P	-	-	VZ2	780
	V3/VCF3	63 A	1P	-	-	VZ3	1010
	V4/VCF4	80 A	1P	-	-	VZ4	1010
Neutral Pole Module ⁽²⁾	V02 / VCF02 to V2 / VCF2	-	1N	-	-	VZ11	830
	V3 / VCF3 to V4 / VCF4	-	1N	-	-	VZ12	1120
	V5 / VCF5 to V6 / VCF6	-	1N	-	-	VZ13	2310
Earthing Module	V02 / VCF02 to V2 / VCF20	-	-	-	-	VZ14	820
	V3 / VCF3 to V4 / VCF4	-	-	1	-	VZ15	970
	V5 / VCF5 to V6 / VCF6	-	-	1	-	VZ16	1510
Auxiliary Contact Block Module	V02/ VCF02 to V6 / VCF6	-	-	-	1 NO + 1 NC	VZ7	860
	V2/ VCF02 to V6 / VCF6	-	-	-	2 NO	VZ20	860

(1) For mounting option of modules, please refer to the technical catalogue.

(2) With early make and late break contacts

Description	For Use With	Reference	Unit LP [₹]
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Components for Door Interlocking

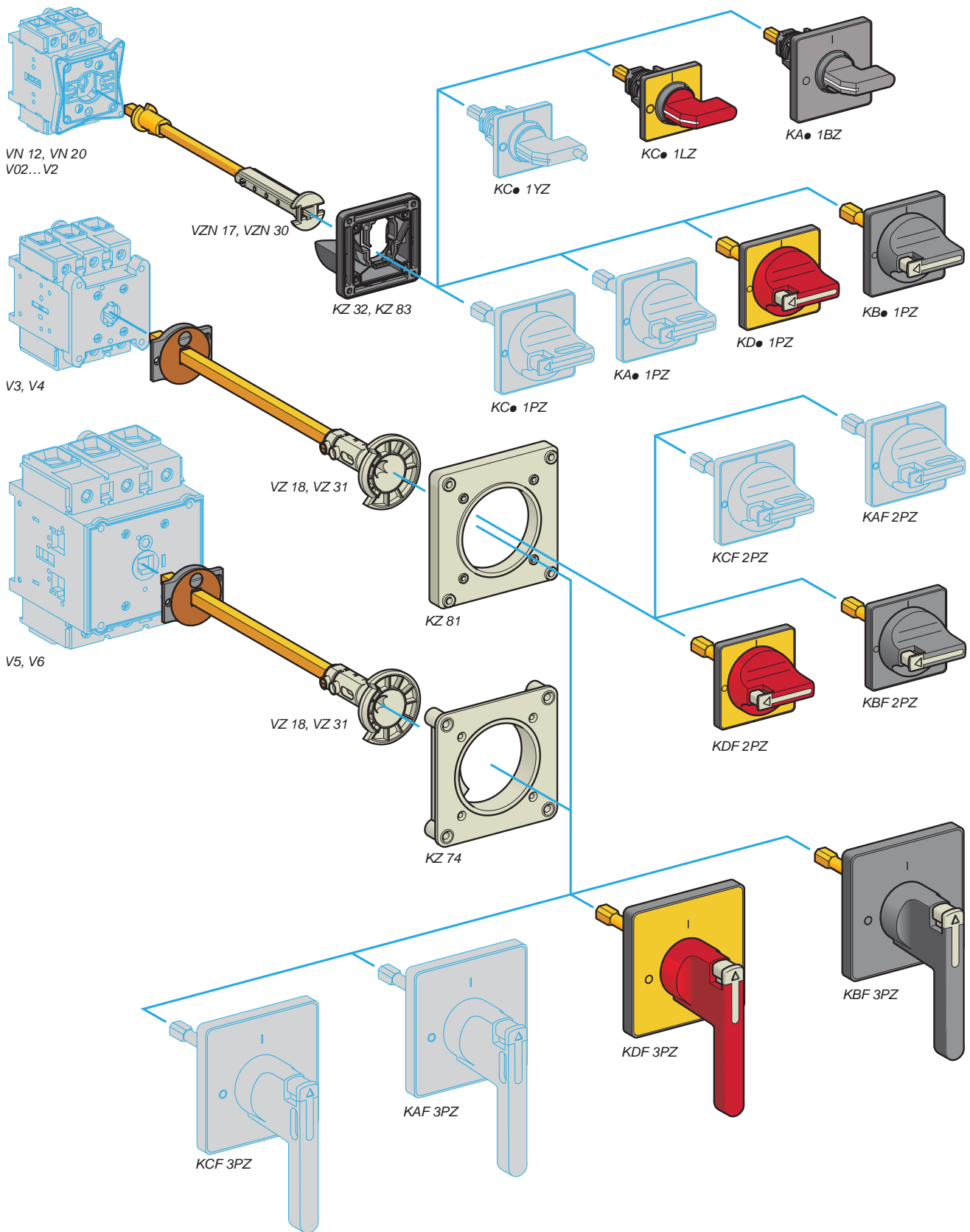
Shaft extension - for Mini-VARIO and VARIO - V02..V2	V02...V2	VZ17	820
		VZ30	970
Shaft extension - for Mini-VARIO and VARIO - V3 V4 V5 V6	V3, V4, V5, V6	VZ18	970
		VZ31	1110
Door interlock plate	VZ17 / VZ30	KZ32	210
		VZ18/31	KZ74

Input Terminal Protection Shrouds

Terminal Shrouds	V02 - V2	VZ8	270
		VZ26	240
Terminal Shrouds	V3 - V4	VZ9	290
		VZ27	240
	V5 - V6	VZ10	370
		VZ28	410
	V02 - V6	VZ29	270

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

TeSys Switches Accessories



For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

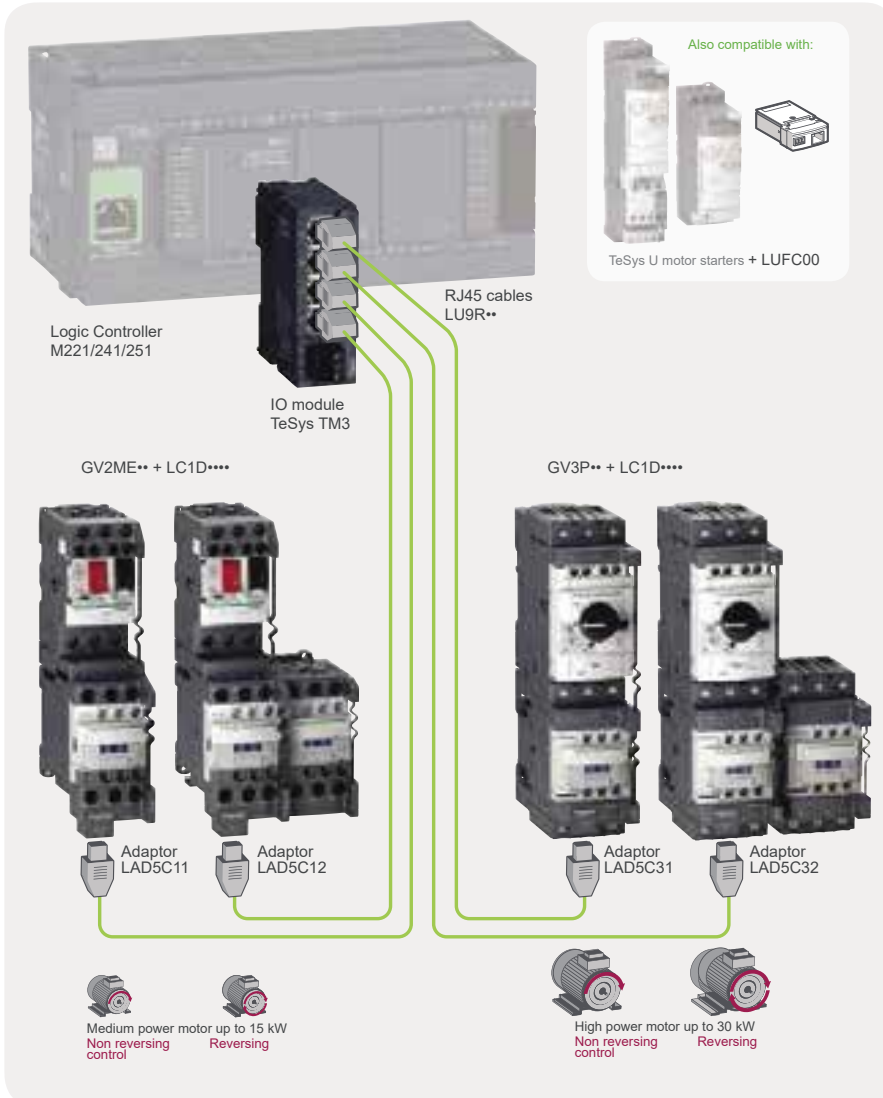
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W.E.F. March 12, 2018

Let TeSys SoLink be your drive!

Integration system for motor starters

up to 30 kW/400 V in automation environment



20 times faster for control circuit wiring
Simple and fast wiring



100% upgradable
Plug & Play solutions

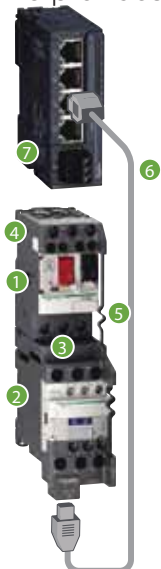


0% Chance of connection errors
Intuitive connection



100% availability during machine life cycles
Software & Hardware integrated

TM3 provides the 24 V DC control voltage to the motor starter coil.



Direct or Reversing		
TeSys D	Upto 15kW	From 18.5kW to 30kW
1 Motor Circuit Breaker	GV2ME** OR GV2P**	GV3P**
2 Contactor 24V DC	LC1D**B* or LC2D**B*	LC1D**BD or LC2D**BD
3 Combination Block	GV2AF3	-
4 Auxiliary Contact	GVAE20	GVAE20
5 Connection Module	LAD5C11(DOL), LAD5C12(RDOL)	LAD5C31(DOL), LAD5C32(RDOL)
Connection Cable		
6 Connection Cable**	LU9R**	
IO Module		
7 IO Module	TM3XTYS4	

Note:

- ** Choose your correct length.
- Similar configurations available for TeSys U also.

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

Advanced Motor Protection

High performance protection
for your application



EOLR

Electronic Overload Relay

- Precise Overload Protection
- Wide operating Range 5:1
- Higher Operating Temperature
- Selectable Trip Class



EOCR

Electronic Over Current Relay

- Compact and Robust
- Advanced current protections
- Suitable for 1-phase and 3-phase applications
- Suitable for motors upto 400A
- Pass-through CT for electrical isolation

EOLR - LR9D

Electronic Overload Relay



- Conformance to IEC, UL, CSA
- Range : 0.1A to 110A
- 5:1 Adjustment range
- High Operating Temperature
- Field selectable tripping class : 5, 10, 20 & 30
- Type 1 & type 2 Coordination chart available

Current Range	For Use With	Reference*	Unit MRP [₹]
0.1....0.5A		LR9D01	6970
0.4....2.0A	LC1D09 - 38A	LR9D02	7290
1.6....8.0A	Direct Mounting	LR9D08	7290
6.4....32A		LR9D32	8360
22....110A	Separate Mounting	LR9D110S	12780

Note: For LR9D01 to LR9D32 - Terminal Block for Clip on Mounting LAD7B205. **Unit LP ₹. 700**

Analog EOCR

- Compact
- Protection against over current/phase loss/locked rotor (phase loss/locked rotor operates by over current)
- Manual (instant)/electrical reset
- NVR (No Volt Release) function / Fail Safe
- Suitable for single-phase / 3-phase motors
- LED (operation display and active current display)

EOCR SS

- Without Display



EOCR SS			
Current Range	Control Voltage	Reference	Unit MRP [₹]
0.5-6A	24-240V AC/DC	EOCRSS-05S	4000
0.5-6A	380-440V AC	EOCRSS-05W	
3-30A	24-240V AC/DC	EOCRSS-30S	
3-30A	380-440V AC	EOCRSS-30W	
5-60A	24-240V AC/DC	EOCRSS-60S	
5-60A	380-440V AC	EOCRSS-60W	

Note: 2 SPST output contacts

E 0 C R S S - 0 5 S

1	Current Setting Range	5	0.5-6A	For 60A or higher, combine 05Type and an external CT (secondary 5A) for use
		30	3.0-30A	
		60	5.0-60A	
2	Operating Power Supply	S	24-240V AC/DC	
		W	380-440V AC	

Note: For a CT combination type, please write an accessory code from the CT Order Codes separately.

Protection Relay Selection table

Features\product	EOLR	EOCR		
	LR9D	SS/SSD	3DM2/FDM2	3MZ2/FMZ2
Precise Overload Protection (Inverse Time)				
Over Current Protection (Definite Time)				
Selectable Trip Clas 5-30				
Current Unbalance Protection				
Locked Rotor, Phase Loss		*		
Under current Protection				
Ground Current Protection				
Current Measurement	3CT	2CT	3CT	3CT
Current Display		#		
Direct Mounting on Contactor	\$			
Fault History				
Configurable protection functions				

* - over current based protection
- with SSD
\$ - upto 38 Amps

■ Possible solution
■ Ideal solution

EOCR SSD

- With Display (Operating Current & Trip Cause)



EOCR SSD			
Current Range	Control Voltage	Reference	Unit MRP [₹]
0.5-6A	220V AC	EOCRSSD-05DM7	6200
0.5-6A	440V AC	EOCRSSD-05DR7	
3-30A	220V AC	EOCRSSD-30DM7	
3-30A	440V AC	EOCRSSD-30DR7	
10-60A	220V AC	EOCRSSD-60DM7	
10-60A	440V AC	EOCRSSD-60DR7	

Note: 2 SPST output contacts

To order an EOCR-SSD:

E 0 C R S S D - 0 5 D M 7

1	Current Range	5	0.5-6A
		30	3-30A
		60	10-60A
2	Output Contact State	D	b (95-96), a (97-98)
		B	AC/DC24V compatible
3	Operating Power supply/ Frequency	F7	AC110V, 50/60Hz
		M7	AC220V, 50/60Hz
		R7	AC440V, 50/60Hz

Note: For a CT combination type, please write an accessory code from the CT Order Codes separately.

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

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W.E.F. March 12, 2018

Digital EOCR



- Micro-controller unit based
- Real time processing / High precision
- Protections : Over current, Under current, Phase loss, Phase reversal, Stall, Jam, Current Imbalance, Earth fault (3MZ2/FMZ2)
- Current Rating – 0.5 to 400A
- Bar graph indication of a load current to the current setting.
- Ancillary functions : Fail safe, Accumulated running hour, 3 faults records & limitation of auto-restart.

3DM2/3MZ2

- Built-in display EOCR
- 3MZ2 - ground fault protection variant



3DM2/3MZ2					
Current Range	Control Voltage	Reference	Description	Unit MRP [₹]	
0.5-60A	100-240V AC/DC	3DM2-WRDUW	Without ground - fault protection	17750	
		3DM2-WRDUH			
		3MZ2-WRAUW	With ground - fault protection		19150
		3MZ2-WRAUH			
		3MZ2-WRCUW			
		3MZ2-WRCUH			
		3MZ2-WRDUW			
		3MZ2-WRDUH			

FDM2/FMZ2

- Extended display EOCR
- FMZ2 - ground fault protection variant



FDM2/FMZ2					
Current Range	Control Voltage	Reference	Description	Unit MRP [₹]	
0.5-60A	100-240V AC/DC	FDM2-WRDUW	Without ground - fault protection	17800	
		FDM2-WRDUH			
		FMZ2-WRAUW	With ground - fault protection		19200
		FMZ2-WRAUH			
		FMZ2-WRCUW			
		FMZ2-WRCUH			
		FMZ2-WRDUW			
		FMZ2-WRDUH			

Selection Table for Digital EOCR

3DM2/FDM2 WR D U W Q

1 2 3 4 5 6

1	Model name	3DM2/FDM2	Basic model
		3MZ2/FMZ2	GF model
2	Current Range	WR	0.5-60A
		H1	100:5 3CT combination type
		HH	150:5 3CT combination type
		H2	200:5 3CT combination type
		H3	300:5 3CT combination type
		H4	400:5 3CT combination type
3	Output contact type	3MZ2/FMZ2	A a(97-98) : OC, a(57-58) : GF
		C	b(95-96) : a(97-98) : OC,GF common
		D	b(95-96) : OC, a(57-58) : GF
		3DM2/FDM2	D b(95-96), a(97-98)
4	Control voltage	U	100~240VAC/DC
		W	Window type
5	CT type	H	Bottom hole type

Note: For CT combination type, other control voltages and communication requirement please contact sales.

EOCR Accessories

ZCT - Ground Fault Protection			
	Reference	Description	LP
	ZCT-035Q	ZCT EP 35 M/M	3700
	ZCT-080Q	ZCT EP 80 M/M	6200
	ZCT-120Q	ZCT EP 120 MM	10500

Display & Accessories for FDM2/FMZ2			
	Reference	Description	LP
	EOCR-PDM	DISPLAY	4900
	CABLE-RJ45-001Q	CABLE 1M	1500
	CABLE-RJ45-003Q	CABLE 3M	1700

Square 3CT

3CT - H1 - 100 - C

1

Reference	Description	LP	
	H1-100-C	Square 3CT 100:5	on request
	HH-150-C	Square 3CT 150:5	
	H2-200-C	Square 3CT 200:5	
	H3-300-C	Square 3CT 300:5	
	H4-400-C	Square 3CT 400:5	

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Motor management solution



GV4PEM



Tesys H



Tesys U



Tesys T



Your requirements

+



TeSys Intelligence

=

100% reliable

Schneider Electric puts reliability at the heart of its strategy of innovation and, with TeSys, offers a wide range of solutions for the Power Control and Protection that covers all your needs, from basic to advanced.

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

GV4PEM



- IEC/EN 60947-1,-2,-4-1, UL 60947-4-1, CCC, EAC, CSA
- Short circuit and overload protection- Embedded protection functions: jam, long start, phase unbalance or phase loss, ground fault
- LED indication on front face
- Remote indication, fault differentiation and alarming with the SDx module



Fully configurable on NFC using the TeSys GV4 app, available for select Android devices

Multifunction Advanced Protection Toggle Control

Motor power AC3**		In (A)	Thermal setting range A	25kA breaking capacity		50kA breaking Capacity		100kA breaking Capacity	
kW	hP			Reference	LP	Reference	LP	Reference	LP
0.25..0.75	0.3..1	2	0.8..2	-	-	GV4PEM02N		GV4PEM02N	
0.55..1.5	0.7..2	3.5	1.4..3.5	-	-	GV4PEM03N		GV4PEM03N	
1.5..3	2..4	7	2.9..7	-	-	GV4PEM07N	on request	GV4PEM07N	on request
3..5.5	4..7.5	12.5	5..12.5	-	-	GV4PEM12N		GV4PEM12S	
5.5..11	7.5..14	25	10..25	GV4PEM25B	on request	GV4PEM25N		GV4PEM25S	
11..22	15..30	50	20..50	GV4PEM50B	33000	GV4PEM50N	36000	GV4PEM50S	41000
22..37	25..50	80	40..80	GV4PEM80B	34500	GV4PEM80N	37000	GV4PEM80S	42000
37..55	40..75	115	65..115	GV4PEM115B	34500	GV4PEM115N	37000	GV4PEM115S	42000

Auxiliary Contact Blocks



An auxiliary contact block provides one changeover contact with one common point for OF and SD function, depending on where it is inserted

Open/Close OF Function: indicates position of the circuit breaker contacts

Trip Alarm SD Function: indicates circuit breaker tripping due to:

- Electrical fault (overload, short circuit)
- Shunt trip/Undervoltage release
- "Push to Trip" Function
- Resets when the circuit breaker is reset

Description	Maximum Number	Mounting	Type of Contacts	Reference	LP
Auxiliary Contact Block	2 (1 Each For Of Or Sd)	Internal Plug-In	NO+NC	GV4AE11	770

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. March 12, 2018



MX Shunt Trip

- Trips the circuit breaker when the control voltage rises above 70% of rated voltage
- Shunt trip 110..130V AC is suitable.. etc for ground fault protection when combined with a Class I ground fault sensing element

MN Under Voltage Release

Trips the circuit breaker when the control voltage drops below 35% of its rated voltage

Description	Maximum Number	Mounting	Voltage	References	LP
Mx Shunt Trip	1	Internal, Plug-In	24 VAC 50/60 HZ, 24 VDC	GV4AS027	2020
			48 VAC 50/60 HZ, 48 VDC	GV4AS057	2020
			110-130 VAC 50/60 HZ, 125 VDC	GV4AS137	2020
			220-240 VAC 50 HZ, 208-240 VAC 60 HZ, 277 VAC 60 HZ	GV4AS287	2020
			380-415 VAC 50 HZ, 440-480 VAC 60 HZ	GV4AS487	2020
Mn Undervoltage Release	1	Internal, Plug-In	24 VAC 50/60 HZ, 24 VDC	GV4AU027	2640
			48 VAC 50/60 HZ, 48 VDC	GV4AU057	2640
			110-130 VAC 50/60 HZ, 125VDC	GV4AU137	2640
			220-240 VAC 50 HZ, 208-240 VAC 60 HZ	GV4AU247	2640
			277 VAC 60 HZ	GV4AU286	2640
			380-415 VAC 50 HZ	GV4AU415	2640
			440-480 VAC 60 HZ	GV4AU486	2640

SDx Contact Module (For GV4PEM)



Provides fault differentiation and alarming for GV4PEM

2 NO/NC outputs dry contacts which can be assigned to any of the following 8 SD status

- SDT95% overload alarm when thermal image of the motor exceeds 95% of permissible temp rise
- SDTXXS overload alarm will trip in 10-40s (adjustable) with the same load
- SDTAM overload alarm before tripping - for phase imbalance, overload, jam, activates to open contactor before cb tripping
- SDT overload trip indication
- SDJAM jam trip indication
- SDUNB phase imbalance trip indication
- SDLS long start trip indication
- SDGF ground fault trip indication

Description	Maximum Number	Mounting	Type of Contacts	References	LP
SDx Alarming/Fault Differentiation Module	2	SIDE	NO/NC	GV4ADM1111	on request

Rotary Handles

Description	Type	Degree of Protection	Reference	LP
Direct Mounting Rotary Handle	Black	IP40	GV4ADN01	1060
	Red Handle on Yellow Bezel	IP40	GV4ADN02	1060
Front Extended Rotary Handle (Min Shaft Length 214Mm/Max Shaft Length 627Mm)	Black	IP54	GV4APN01	1570
	Red Handle on Yellow Bezel	IP54	GV4APN02	1570
	Red Handle on Yellow Bezel	IP65	GV4APN04	1650
Side Rotary Handle (Left or Right)	Black	IP54	LV426935	2690
	Red Handle on Yellow Bezel	IP54	LV426936	2690

Connection Accessories

Description	Reference	LP
Spreader 3-pole (To increase pitch to 35mm) (1 pce)	LV426940	580

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

The most compact 3 KW / 400 V starter in the world



Up to 75 % of space reduction

- Ultra-compact 22.5 mm starter
- Reversing starter in the same width
- Maximum space savings for group starter architecture

Long electrical durability

- Suitable for high demanding application
- 30 000 000 of AC53a electrical cycles

> With printed QR code, referring directly to the product data sheet.

Easy Design

- Wide range setting motor protection
- Automatic, manual or remote reset after thermal trip
- Wide range of control voltage

Easy to integrate

- Direct mounting installation on DIN rail
- Control terminals on the upper side
- Power terminal on the lower side

TeSys H - Ultra-compact starters

Standard version



- **2 ratings:**
 - 2.4 A 400 V AC53a
 - 6.5 A 400 V AC53a
- **2 control voltages:**
 - 24 V DC
 - 110 V / 230 V AC
- **2 terminal types:**
 - Screw clamps
 - Spring
- **Can provide up to 3 functions:**
 - Forward running
 - Reverse running
 - Overload protection

Standard Starter TeSys H

Motor Power @ 415VAC	Current range	Screw terminals	Unit LP [₹]	Spring terminals	Unit LP [₹]
KW					
1 way (DOL)					
0.75	0.18...2.4A	LZ1H2X4**	On Request	LZ1H2X43**	On Request
3	1.5...6.5A	LZ1H6X5**	On Request	LZ1H6X53**	On Request
2 ways (RDOL)					
0.75	0.18...2.4A	LZ2H2X4**	On Request	LZ2H2X43**	On Request
3	1.5...6.5A	LZ2H6X5**	On Request	LZ2H6X53**	On Request

Safety version



- **Safe Torque Off embedded:**
 - SIL3 according to IEC61508-1
 - Ple according to ISO13849-1
- **ATEX:**
 - As associated devices motor protection

Safety Starter TeSys H

Motor Power @ 415VAC	Current range	Screw terminals	Unit LP	Spring terminals	Unit LP [₹]
KW					
1 way (DOL)					
0.75	0.18...2.4A	LZ7H2X4**	On Request	LZ7H2X43**	On Request
3	1.5...6.5A	LZ7H6X5**	On Request	LZ7H6X53**	On Request
2 ways (RDOL)					
0.75	0.18...2.4A	LZ8H2X4**	On Request	LZ8H2X43**	On Request
3	1.5...6.5A	LZ8H6X5**	On Request	LZ8H6X53**	On Request

** Reference to be completed by adding coil voltage code BD (24 V DC) or FU (110-230V AC)

Let TeSys U build the solution for you!



TeSys U is an innovative “self-protected combination starter” providing motor disconnect, motor branch circuit protection, motor controller and motor overload protection in a single product.

- Total Coordination compliant to IEC 60947-6-2 and UL 508 Type E
- Modular and Scalable
- Compact starter 45 mm width

TeSys U - Make the Starter Smarter



- Total Coordinated Starter – 3 functions in a single device
- Compact Starter, DOL / RDOL upto 15kW(32A, AC-3) in 45mm width
- Direct connectivity to Modbus / Profibus / CANopen / DeviceNet /AS-i
- Higher switching life - 15Million operations, 2Million AC-43 electrical life
- Breaking capacity upto 130kA



Power Base

For assembling components, ON/OFF operation and resetting.
 > 2 power bases:
 up to 12 A and up to 32 A
 > Direct starter and reversing starter models.

Control Unit

Performs all the electrical protection functions to cover main applications from 0 to 32 A.

Some of these also provide advanced measurement, alarm and display functions.

4 simple function modules

Thermal overload alarm Indication of motor load
 Thermal overload signalling and manual reset
 Thermal overloaded signalling and automatic or remote reset.

6 communication modules

AS-Interface
 Profibus DP
 CANopen
 DeviceNet
 Advantys STB
 Modbus.

40%

“TeSys solutions allow us to reduce the size of our enclos says a panel builder from the water treatment sector

60%

“Late customization means that we can build 60% of the panels, even though the project design has not yet been completed” says an engineer in a food processing industry

Description	Rating at 440 V kW	Reference	Unit LP [₹]
Power Bases for Non-Reversing D.O.L. Starter			
12 A	Upto 5.5	LUB12	On Request
32 A	Upto 15	LUB32	On Request

Description	Rating at 440 V kW	Standard Reference	Advanced Reference	Multifunction Reference	Unit LP [₹]
Control Units					
0.15...0.6 A	0.09	LUCAX6**	LUCBX6**	LUCMX6BL	On Request
0.35...1.4 A	0.25	LUCA1X**	LUCB1X**	LUCM1XBL	On Request
1.25...5 A	1.5	LUCA05**	LUCB05**	LUCM05BL	On Request
3...12 A	5.5	LUCA12**	LUCB12**	LUCM12BL	On Request
4.5...18 A	7.5	LUCA18**	LUCB18**	LUCM18BL	On Request
8...32 A	15	LUCA32**	LUCB32**	LUCM32BL	On Request

Note: To make the complete unit you need to order base and any of the control units
 * Reference to be completed by adding coil voltage code

** Coil Voltage Code

VOLTAGE	24	48...72	100...240
DC	BL ⁽¹⁾ ⁽²⁾	-	-
AC	B	-	-
AC/DC	-	ES ⁽³⁾	FU ⁽⁴⁾

- (1) Voltage code to be used for a starter-controller with communication module.
 (2) DC voltage with maximum ripple of ± 10 %.
 (3) DC: 48...72 V, AC: 48 V.
 (4) DC: 110...220 V, AC: 110...240 V.

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Wherever productivity is a concern, intelligence to Motor Control is the solution



TeSys T Intelligence system optimises the operational performance of LV motors through advanced protections and embedded intelligent functions inside intelligent Motor Control Centre (iMCC)



Tesys T Motor Management Systems

TeSys T covers all load monitoring and protection needs from feeders to critical process automation. The equipment is protected, while advanced diagnostics, statistics, and alarms help in anticipating unexpected production halts and minimize downtime. TeSys T is compact and a natural fit for control panels with IEC or NEMA standards. In addition, the system's connectivity and access to real-time data provides key information to enhance the operation and safety of the process while improving efficiency.

Tesys T Controller:

Intelligent motor controller for 1P/3P Motors with built in CT up to 100Amps with accurate monitoring and protection functions, 6DI, 4DO, 1CBCT input, 1 Temperature probe

Protection Functions:

- Thermal overload
- Phase imbalance and phase overloads
- Temperature monitoring via probes
- Phase reversal
- Ground fault detection
- Long start and Jam protection
- Load shedding
- Load fluctuations
- power factor monitoring

Monitoring Functions:

- Phase and average current
- Line to Line and average voltage
- Motor temperature, ground current
- Active and Reactive Energy
- Frequency & Power Factor
- Detailed Fault history
- Fault counts
- motor statistics

Control Functions:

- Local / Remote / HMI control
- Predefined programs for DOL, RDOL, Star-delta, two-speed starters

Communication: Seamless into your automation system. Supports five major communication protocols



Expansion modules:



LTMEV:

Voltage and power based protections (4DI).



LTMCUF:

Easy monitor settings, configure & diagnose faults, compatible with laptops, **Fast Device Replacement (FDR)** for high machine uptime.

TeSys T now combines industry-standard Modbus TCP and EtherNet/IP protocols in the same module.

Description	Ethernet IP / Modbus TCP IP	Modbus	Profibus	CanOpen	DeviceNet	Unit LP [₹]
0.4 TO 8A	LTMR08E*	LTMR08M*	LTMR08P*	LTMR08C*	LTMR08D*	On Request
1.35 TO 27A	LTMR27E*	LTMR27M*	LTMR27P*	LTMR27C*	LTMR27D*	On Request
5 TO 100A	LTMR100E*	LTMR100M*	LTMR100P*	LTMR100C*	LTMR100D*	On Request
Extension Modules	LTMEV40**					
Note: Above 100 Amps external CT required.						
Voltage Expansion Module (4DI)	LTMEV40*					On Request
HMI Display Module	LTMCUF					On Request

*Reference to be completed by adding control voltage code

** Control Voltage Code

VOLTAGE	
24 DC	BD
110 VAC	FM

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

TE Start - Lifeline of Motors



>> TDL



>> TSD/A



>> TRS

TE Start & TeSys Motor Starters

- Exhaustive Range of industrial starters consisting of DOL, Reversing, Automatic star delta starters
- Better aesthetic & Assured performance
- Test to trip facility
- Built in single phasing protection

DOL Starters



Motor Power HP	Thermal Protection Adjustment Range	Device Short Name	Reference	Unit MRP [₹]
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TDL, Automatic 1 Phase (0.17 - 3 HP)

0.17	1.1...1.7 A	5TDL	MS11AC04*	2490
0.33	2.5...4 A	5TDL	MS11AC06*	
0.5	4...6 A	5TDL	MS11AC07*	
1	5.5...8 A	5TDL	MS11AC09*	
1.5	9...13 A	10TDL	MS11AC10*	2780
2		10TDL	MS11AC11*	
3		10TDL	MS11AC13*	

TDL, Automatic 3 Phase (0.05 - 125 HP)

0.05	0.16...0.25 A	5TDL	MS13AC01*	2380	
0.125	0.24...0.4 A	5TDL	MS13AC03*		
0.17	0.4...0.63 A	5TDL	MS13AC04*		
0.25	0.63...1 A	5TDL	MS13AC05*		
0.33		5TDL	MS13AC06*		
0.5	1...1.7 A	5TDL	MS13AC07*	2470	
0.75		5TDL	MS13AC08*		
1	1.6...2.5 A	5TDL	MS13AC09* ✓	2470	
1.5		5TDL	MS13AC10*		
2	2.5...4 A	5TDL	MS13AC11* ✓	2760	
3	4...6 A	5TDL	MS13AC12* ✓		
5	5.5...8 A	5TDL	MS13AC14* ✓		
7.5	9...13 A	10TDL	MS13AC15* ✓		
10	12...18 A	10TDL	MS13AC16* ✓		
12.5	16...24 A	15TDL	MS13AC17*		
15		15TDL	MS13AC18* ✓		
17.5	23...32 A	20TDL	MS13AC19*		7590
20		20TDL	MS13AC20*		
25	30...40 A	30TDL	MS13AC21*		11950
30	37...50 A	30TDL	MS13AC22*		
40	48...65 A	40TDL	MS13AC24*		
50	63...80 A	50TDL	MS13AC26*		
75	84...135 A	75TDL	MS13AC28*		
100	124...198 A	100TDL	MS13AC29*	36070	
125		125TDL	MS13AC30*	42040	

TRS, Automatic Reversing 3 Phase (3 - 20 HP)

3	4...6 A	10TRS	MS13RJ12*	6770
5	5.5...8 A	10TRS	MS13RJ14*	
7.5	9...13 A	10TRS	MS13RJ15*	
10	12...18 A	10TRS	MS13RJ16*	
12.5	16...24 A	20TRS	MS13RJ17*	11080
15		20TRS	MS13RJ18*	
17.5	23...32 A	20TRS	MS13RJ19*	11690
20		20TRS	MS13RJ20*	

Star Delta Starters



Motor Power HP	Thermal Protection Adjustment Range	Device Short Name	Reference	Unit MRP [₹]
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TSD/A, Automatic 3 Phase (7.5 - 400 HP)

7.5	5.5...8 A	15TSDA	MS23AI15*	8070
10	7...10 A	15TSDA	MS23AI16* ✓	8070
12.5	9...13 A	15TSDA	MS23AI17*	8190
15		15TSDA	MS23AI18* ✓	8190
20	12...18 A	30TSDA	MS23AI20* ✓	9300
25	16...24 A	30TSDA	MS23AI21* ✓	10570
30	23...32 A	30TSDA	MS23AI22* ✓	12220
35		40TSDA	MS23AI23*	19600
40	30...38 A	40TSDA	MS23AI24*	21580
50	37...50 A	50TSDA	MS23AI26*	26200
60		75TSDA	MS23AI27*	45460
75	45...65 A	75TSDA	MS23AI28*	48540
100	62...99 A	100TSDA	MS23AI29*	63160
125	84...135 A	125TSDA	MS23AI30*	65590
150		150TSDA	MS23AI31*	81630
200	124...198 A	200TSDA	MS23AI32*	98100
250	174...279 A	250TSDA	MS23AI33*	123800
400	259...414 A	400TSDA	MS23AI34*	148850

*Coil Voltage Code

VOLTAGE	220	415
AC 50 Hz	M5	N5

Note:- For Three and Single Phase, the standard Stockable Coil Voltages are 415V and 220V respectively.

Note:- Submersible Star-Delta Starter Panel Starters are available on request. Please consult our local Sales Office.

TeSys Starters D.O.L

Thermal protection Adjustment Range	Motor Power kW	Reference	Unit MRP [₹]
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LE1-M Model Enclosed

- Conforming to IEC 947-4-1 for motors upto 7.5 kW

0.54...0.8 A	0.25	LE1M35**05	3560
0.8...1.2 A	0.37	LE1M35**06	3990
1.2...1.8 A	0.55	LE1M35**07	3960
1.8...2.6 A	0.75	LE1M35**08	4200
2.6...3.7 A	1.50	LE1M35**10	
3.7...5.5 A	2.20	LE1M35**12	
5.5...8 A	3	LE1M35**14	3960
8...11.5 A	4	LE1M35**16	4200
10...14 A	5.50	LE1M35**21	4450
12...16 A	7.50	LE1M35**22	4200

** Coil Voltage Code

VOLTAGE	220/230	380/400	400/415
Code	M7	Q7	N7

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

✓ NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Starters Spares

Spare Parts

Description	Lot Order Quantity	Reference	Unit MRP [₹]
For TDL, TRS & TSD/A Starters			
Pushbutton Actuator Assembly for 10/40/50/75/100/125 TDL	10	MSMC02	200
Pushbutton Switch Assembly for 10 TDL	10	MSMC03	400
Start Pushbutton Assembly for 40 - 400 TSDA	10	MSMI01	260
Stop Pushbutton Assembly for 40 - 400 TSDA	10	MSMI02	260
9 Way Terminal Block for 15 TSDA	10	MSMI03	380
9 Way Terminal Block for 30 TSDA	10	MSMI04	380
9 Way Terminal Block for 40 - 75 TSDA	10	MSMI05	910
Electronic Timer for 15 - 400 TSDA	10	MSMI06 <input checked="" type="checkbox"/>	1780
Pushbutton Actuator Assembly for 15/20/30 TDL, 10/20 TRS &15/30 TSDA	10	MSMK01	430

Note:- For Spare coil, contactor, O/L relay and accessories, please see Activa pricelist separately.

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Selection Chart:

EasyPact TVS DOL (Type 2 Co-ordination with Fuse)

- Standard: IEC 60947-4-1
- Fuses: Cooper Bussmann
- Iq (A): 50KA
- Ue: 415Vac / 50Hz
- Contactor Coil: Type M5 (220 Vac/ 50 Hz)

Motor Output		FLC		SDF (NX Range)			Contactor		Thermal Overload Relay	
KW	HP	I(A)	Type	Fuse Type	Fuse Rating (A)	Type	AC3 (A)	Type	Range (A)	
0.37	0.5	1	NX32	6NHG000B	6	LC1E09	9	LRE06	1.0 - 1.6	
0.55	0.75	1.5	NX32	6NHG000B	6	LC1E09	9	LRE06	1.0 - 1.6	
0.75	1	2	NX32	6NHG000B	6	LC1E09	9	LRE07	1.6 - 2.5	
1.5	2	3.5	NX32	16NHG000B	16	LC1E09	9	LRE08	2.5 - 4.0	
2.2	3	5	NX32	16NHG000B	16	LC1E09	9	LRE10	4.0 - 6.0	
3	4	6.8	NX32	20NHG000B	20	LC1E09	9	LRE12	5.5 - 8.0	
4	5.5	8.4	NX32	20NHG000B	20	LC1E09	9	LRE14	7.0 - 10	
5.5	7.5	11.2	NX32	25NHG000B	25	LC1E12	12	LRE16	9.0 - 13	
7.5	10	14	NX63	40NHG000B	40	LC1E18	25	LRE21	12.0 - 18	
9	12	18	NX63	50NHG000B	50	LC1E25	25	LRE22	16 - 24	
11	15	21	NX63	50NHG000B	50	LC1E32	32	LRE22	16 - 24	
15	20	28.5	NX63	63NHG000B	63	LC1E32	40	LRE32	23 - 32	
18.5	25	34	NX80	80NHG000B	80	LC1E40	40	LRE355	30 - 40	
22	30	42	NX80	80NHG000B	80	LC1E50	50	LRE357	37 - 50	
30	40	57	NX100	100NHG000B	100	LC1E65	65	LRE359	48- 65	
37	50	70	NX125	125NHG000B	125	LC1E80	80	LRE363	63- 80	
45	60	81	NX160	160NHG000B	160	LC1E95	95	LRE365	80- 104	
56	75	100	NX160	160NHG000B	160	LC1E120	115	LRE482	84- 135	
80	107	138	NX250	250NHG1B	250	LC1E160	150	LRE483	124- 198	
90	120	165	NX250	250NHG1B	250	LC1E160	160	LRE483	124- 198	
100	135	182	NX315	315NHG2B	315	LC1E200	200	LRE483	124- 198	
110	150	196	NX315	315NHG2B	315	LC1E200	200	LRE483	124- 198	
132	177	240	NX400	355NHG2B	355	LC1E250	250	LRE485	174- 279	
160	215	285	NX400	400NHG2B	400	LC1E300	300	LRE486	208- 333	

EasyPact TVS Star Delta (Type 2 Co-ordination with Fuse)

- Standard: IEC 60947-4-1
- Fuses: Cooper Bussmann
- Iq (A): 50KA
- Ue: 415Vac / 50Hz
- Contactor Coil: Type M5 (220 Vac/ 50 Hz)

Motor Output		FLC		SDF (NX Range)				Contactor			Thermal Overload Relay	
KW	HP	I Line (A)	I phase (A)	Type	Fuse Type	Fuse Rating (A)	Star Contactor	AC3- A	Main / Delta Contactor	AC3- A	Type	Range (A)
1.5	2	4	2.3	NX32	10NHC00G	10	LC1E09	9	LC1E09	9	LRE07	1.6-2.5
2.2	3	5	3	NX32	16NHC00G	16	LC1E09	9	LC1E09	9	LRE08	2.5-4
3	4	7	4	NX32	16NHC00G	16	LC1E09	9	LC1E09	9	LRE08	2.5-4
4	5.3	9	5	NX32	20NHC00G	20	LC1E09	9	LC1E09	9	LRE10	4-6
5.5	7.5	10	6	NX32	20NHC00G	20	LC1E09	9	LC1E09	9	LRE12	5.5-8
7.5	10	16	9	NX32	32NHC00G	32	LC1E09	9	LC1E09	9	LRE14	7-10
9	12	17	10	NX32	32NHC00G	32	LC1E09	9	LC1E12	9	LRE14	7-10
11	15	21	12	NX63	50NHC00G	50	LC1E12	12	LC1E12	12	LRE16	9-13
15	20	28	16	NX63	63NHC00G	63	LC1E18	18	LC1E18	18	LRE21	12-18
22	30	42	24	NX80	80NHC00G	80	LC1E25	25	LC1E25	25	LRE32	23-32
30	40	57	33	NX125	100NHG00B	100	LC1E40	40	LC1E40	40	LRE355	30-40
45	60	81	47	NX125	125NHG00B	125	LC1E40	40	LC1E50	50	LRE357	37-50
55	75	100	58	NX125	125NHG00B	125	LC1E40	40	LC1E65	65	LRE359	48-65
80	107	139	80	NX200	200NHG1B	200	LC1E80	80	LC1E80	80	LRE363	63-80
110	150	196	113	NX315	315NHG2B	315	LC1E300	300	LC1E300	300	LRE482	84~135
160	215	286	165	NX400	355NHG2B	355	LC1E300	300	LC1E300	300	LRE483	124~198

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Selection Chart:

TeSys Standard DOL Motor Starters (Type 1 Co-ordination with MPCB at 415 V)

- Fault indication features possible
- Chance of single phasing reduced
- No replacement of fuses
- More reliability
- No running cost

Motor Rating kW	Operational Current in A	Iq* kA	Motor Circuit Breaker	Thermal Range	Contactors
0.37	1.0	50	GV2ME05	0.63-1	LC1K06
0.55	1.5	50	GV2ME06	1-1.6	LC1K06
0.75	2.0	50	GV2ME07	1.6-2.5	LC1K06
1.1	2.5	50	GV2ME08	2.5-4	LC1K06
1.5	3.5	50	GV2ME08	2.5-4	LC1K06
2.2	5.0	50	GV2ME10	4-6.3	LC1K06
3.0	6.5	50	GV2ME14	6-10	LC1K09
4.0	8.4	50	GV2ME14	6-10	LC1K09
5.5	11.0	15	GV2ME16	9-14	LC1K12
7.5	14.8	15	GV2ME20	13-18	LC1D18
9.0	18.1	15	GV2ME21	17-23	LC1D25
11.0	21.0	15	GV2 ME22	20-25	LC1D25
15.0	28.5	10	GV2ME32	24-32	LC1D32
18.5	35.0	50	GV3P40	30-40	LC1D40A
22.0	42.0	50	GV3P50	37-50	LC1D50A
30.0	57.0	50	GV3P65	48-65	LC1D65A
37.0	69.0	15	GV3ME80	56-80	LC1D80
45.0	81.0	25	GV7RE100	60-100	LC1D95
55.0	100.0	25	GV7RE150	90-150	LC1D115
75.0	135.0	35	GV7RE150	90-150	LC1D150
90.0	165.0	35	GV7RE220	132-220	LC1F185
110.0	200.0	35	GV7RE220	132-220	LC1F225

Iq* - Rated conditional short circuit at operational voltage 415/440V

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. March 12, 2018

With TeSys you are ready for premium efficiency



TeSys motor starters are tested and proven for IE3 motors

TeSys is IE3 ready!

* TeSys High Performance DOL Motor Starters (Type 2 Co-ordination with MPCB at 415 V)

- No down time
- Fault indication features possible
- Chance of single phasing reduced
- No replacement of HRC fuses
- More reliability
- No running cost

Motor Rating kW	Operational Current in A	Iq* kA	Motor Circuit Breaker	Thermal Range	Contactors
0.37	1	130	GV2ME05	0.63-1	LC1D09
0.55	1.5	130	GV2ME06	1-1.6	LC1D09
0.75	2	130	GV2ME07	1.6-2.5	LC1D09
1.1	2.5	130	GV2ME08	2.5-4	LC1D09
1.5	3.5	130	GV2ME08	2.5-4	LC1D09
2.2	5	130	GV2ME10	4-6.3	LC1D09
3.0	6.5	130	GV2ME14	6-10	LC1D09
4.0	8.4	130	GV2ME14	6-10	LC1D09
5.5	11	130	GV2ME16	9-14	LC1D25
7.5	14.8	50	GV2P20	13-18	LC1D25
9.0	18.1	50	GV2P21	17-23	LC1D25
11.0	21	50	GV2P22	20-25	LC1D25
15.0	28.5	35	GV2P32	25-32	LC1D32
18.5	35	50	GV3P40	30-40	LC1D40A
22.0	42	50	GV3P50	37-50	LC1D50A
30.0	57	50	GV3P65	48-65	LC1D65A
37.0	64	100	GV4PE80S / GV4PEM80S	40-80	LC1D80
45.0	77	100	GV4PE115S / GV4PEM115S	65-115	LC1D115
55.0	94	100	GV4PE115S / GV4PEM115S	65-115	LC1D150
75.0	135	70	GV7RS150	90-150	LC1D150
90.0	165	70	GV7RS220	132-220	LC1F185
110.0	200	70	GV7RS220	132-220	LC1F225

Iq* Rated conditional short circuit at operational voltage 415/440 V

* Breaking Capacity of Circuit Breakers can be increased by using current limiter type GV1L3

For star- delta Co-ordination chart please contact regional sales office..

For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. March 12, 2018



TeSys selection tools

To find the right combinations of products for your motor starters is simpler and quicker now.

> To download applications, connect on:

Motor Starter Selection Guide App

- It includes the most common solutions of enclosed motor starters
- Motor rated power up to 30 kW

App for iPad



TeSys Enclosed Motor Starter Solution Guide

- Quick selection of TeSys motor starter most common combinations
- Motor rated power up to 75 kW

App for iPad and iPhone



Low Voltage Motor Starter Solution Guide

- Define your motor starter solution among the complete TeSys offer
- Motor rated power up to 710 kW

App for iPad



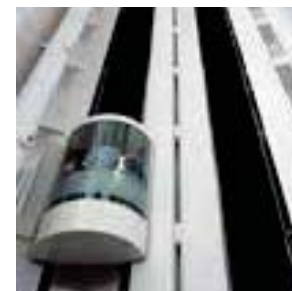
App for Smartphone and tablet



> To discover the TeSys range and stay updated, connect on:



www.schneider-electric.com/tesys



For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

✓ NORMAL STOCK ITEMS

W.E.F. March 12, 2018

Life Is On

Schneider
Electric

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Toll-free numbers: 1800 419 4272, 1800 103 0011

Email: customer.care.in@schneider-electric.com

For more information, visit our website at: www.schneider-electric.co.in

- All Prices are in Indian Rupees.
- Prices are subject to change without notice.
- Prices charged will be as prevailing on the date of dispatch.
- Maximum Retail Price (MRP) is inclusive of all taxes

- Tax incidence on invoices is basis applicable GST rates. Invoice amount not to exceed MRP.
- Invoice Amount = (MRP – less Applicable discount) + Applicable GST %

Distributor