

Life Is On

**Schneider**  
Electric

 Price List

# Switching and Controlling Products

With effect from December 21, 2015



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# EasyPact TVS

The Easy choice for **simplicity** and **flexibility**

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



**Power Continuity**

# EasyPact TVS

## Power Contactors LC1E (3 Pole AC Control)



- Conformance to IEC 60947-4-1, CE Marking
- Current Rating: 6A to 630A
- Safety & Reliability
- Type 2 co-ordination chart available with Fuse, MPCB and MCCB.
- Ambient Temperature upto 60°C.

[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"/>	855
				1	-	LC1E0610* <input checked="" type="checkbox"/>	855
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"/>	965
				1	-	LC1E1210* <input checked="" type="checkbox"/>	965
32 A	18 A	12	9	-	1	LC1E1801* <input checked="" type="checkbox"/>	1130
				1	-	LC1E1810* <input checked="" type="checkbox"/>	1130
36A	25 A	15	11	-	1	LC1E2501* <input checked="" type="checkbox"/>	1560
				1	-	LC1E2510* <input checked="" type="checkbox"/>	1560
50 A	32 A	20	15	-	1	LC1E3201* <input checked="" type="checkbox"/>	3180
				1	-	LC1E3210* <input checked="" type="checkbox"/>	3180
50 A	38 A	25	18.5	-	1	LC1E3801* <input checked="" type="checkbox"/>	3990
				1	-	LC1E3810* <input checked="" type="checkbox"/>	3990
60 A	40 A	29	22	1	1	LC1E40* <input checked="" type="checkbox"/>	5250
70 A	50 A	34	25/30	1	1	LC1E50* <input checked="" type="checkbox"/>	6385
80 A	65 A	50	37	1	1	LC1E65* <input checked="" type="checkbox"/>	8490

[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"/>	10600
120 A	95 A	60	45	1	1	LC1E95* <input checked="" type="checkbox"/>	12290
150 A	120 A	75	55	1	1	LC1E120* <input checked="" type="checkbox"/>	15535
200 A	160 A	120	90	1	1	LC1E160* <input checked="" type="checkbox"/>	20410
250 A	200 A	150	110	-	-	LC1E200* <input checked="" type="checkbox"/>	28695
300 A	250A	175	132	-	-	LC1E250* <input checked="" type="checkbox"/>	34000
320 A	300 A	215	160	-	-	LC1E300* <input checked="" type="checkbox"/>	40710
500 A	400	295	220	-	-	LC1E400* <input checked="" type="checkbox"/>	51750
700 A	500	375	280	-	-	LC1E500* <input checked="" type="checkbox"/>	72895
1000 A	630	500	375	-	-	LC1E630* <input checked="" type="checkbox"/>	103495

While ordering a contactor, please specify reference and coil voltage

* VOLTAGE	24	110	220	415
LC1E06.....LC1E300	B5	F5	M5	N5
LC1E400.....LC1E630	B7	F7	M7	N7
LC1E06.....LC1E38	-	-	M5WB	N5WB

Non Standard Voltage/code: 48 VAC/E5, 380 VAC/Q5, 440 VAC/R5

Please add ₹ 110/- while ordering Contactors with Non Standard Voltages .

Please add ₹ 110/- for wide band coil contactor from 6A -18A (65% Uc 120%) & ₹ 110/- for 25A to 38A ( 70% Uc 120%)

Please contact Customer Care Center for Stockable and Non stockable status of references.

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# EasyPact TVS

## Power Contactors LC1E(4 Pole AC Control)



- 4 Pole contactors from 16 to 125A AC-1 duty
- Available with 4NO and 2NO+2NC combination power contacts
- Global offer, Conformity to IEC 60947-4-1 & CE marking
- Wide band Coil for all ratings in 220V and 415V - 70% to 120% U<sub>c</sub>
- High operational ambient temperature: upto 60°C
- High electrical and mechanical life

AC-1 Rating @ 60°C	Power Poles	Reference	Unit MRP [₹]	Power Poles	Reference	Unit MRP [₹]
16	4NO	LC1E06004*	1100	2NO + 2NC	LC1E06008*	1220
20	4NO	LC1E09004*	1115	2NO + 2NC	LC1E09008*	1280
25	4NO	LC1E12004*	1230	2NO + 2NC	LC1E12008*	1405
32	4NO	LC1E18004*	1290	2NO + 2NC	LC1E18008*	1550
40	4NO	LC1E25004*	2040	2NO + 2NC	LC1E25008*	2550
45	4NO	LC1E32004*	3400	2NO + 2NC	LC1E32008*	3955
50	4NO	LC1E38004*	4020	2NO + 2NC	LC1E38008*	4995
60	4NO	LC1E40004*	6335	2NO + 2NC	LC1E40008*	7700
80	4NO	LC1E65004*	8605	2NO + 2NC	LC1E65008*	9295

\* Reference to be completed by adding coil voltage code

AC-1 Rating @ 60°C	Power Poles	Reference	Unit LP [₹]	Power Poles	Reference	Unit LP [₹]
100	4NO	LC1E80004*	10715	2NO + 2NC	LC1E80008*	13755
125	4NO	LC1E95004*	12415	2NO + 2NC	LC1E95008*	16485

\* Reference to be completed by adding coil voltage code

## Control Relays CAE

Auxiliary Contacts			Reference	Unit MRP [₹]
NO	NC			
4	0		CAE40*	910
3	1		CAE31*	
2	2		CAE22*	

While ordering contactor and control relays, please specify reference and coil voltage

* Voltage	24	110	220	240	415
LC1E0600*...9500* 50/60 Hz	B7	F7	-	-	-
LC1E0600*...9500* 50 Hz/ Wide Band	-	-	M5WB	-	N5WB
Control relay CAE	B5	F5	M5	U5	N5

Note:

- 4P power contactor also available at 48Vac E7 and 380Vac Q7
- Add ₹110 while ordering non-standard voltages

Please contact Customer Care Center for Stockable and Non stockable status of references.

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# EasyPact TVS

## Thermal overload relay



- Conformance to IEC 60947-4-1
- CE Marking
- Trip Class: 10A

Thermal Protection Adjustment Range	For Use with Contactor	Reference	Unit MRP [₹]	
<b>LRE</b>				
0.1...0.16 A	E06...E38	LRE01	1315	
0.16...0.25 A	E06...E38	LRE02		
0.25...0.4 A	E06...E38	LRE03		
0.4...0.63 A	E06...E38	LRE04		
0.63...1 A	E06...E38	LRE05 ✓		
1...1.6 A	E06...E38	LRE06 ✓		
1.6...2.5 A	E06...E38	LRE07 ✓		
2.5...4 A	E06...E38	LRE08 ✓		
4...6 A	E06...E38	LRE10 ✓		
5.5...8 A	E09...E38	LRE12 ✓		
7...10 A	E09...E38	LRE14 ✓		
9...13 A	E12...E38	LRE16 ✓		
12...18 A	E18...E38	LRE21 ✓		1550
16...24 A	E25...E38	LRE22 ✓		1785
23...32 A	E25...E38	LRE32 ✓	2350	
30...38 A	E38	LRE35 ✓	2670	
17...25 A	E40...E95	LRE322	3015	
23...32 A	E40...E95	LRE353		
30...40 A	E40...E95	LRE355		
37...50 A	E50...E95	LRE357 ✓		
48...65 A	E65...E95	LRE359		
				3980

Note: For separate mounting block, for LRE

- For LRE01...LRE35 – terminal block for clip-on Mounting LAEB1 Unit LP: ₹ 490
- For LRE322...LRE365 – terminal block for clip-on Mounting LAEB3 Unit LP: ₹ 1460

Thermal Protection Adjustment Range	For Use with Contactor	Reference	Unit LP [₹]
<b>LRE</b>			
55...70 A	E80...E95	LRE361	4305
63...80 A	E80...E95	LRE363	4345
80...104 A	E95	LRE365	
51...81 A	E120...E300	LRE480	
62...99 A	E120...E300	LRE481	8500
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	
258...414 A	E300...E400	LRE487	11000
321...513 A	E500	LRE488	13000
394...630 A	E630	LRE489	

Note: For separate mounting block, for LRE

- For LRE01...LRE35 – terminal block for clip-on Mounting LAEB1 Unit LP: ₹ 490
- For LRE322...LRE365 – terminal block for clip-on Mounting LAEB3 Unit LP: ₹ 1460

Please contact Customer Care Center for Stockable and Non stockable status of references.

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## Accessories

For Use With Type LC1E	Control Circuit Voltage	Mounting	Reference	Unit MRP [₹]
<b>Add-on Blocks and Star Delta Timer Blocks</b>				
LC1E06...E300 LC1E0600*...LC1E9500*		Front	LAEN11 ✓	245
			LAEN20 ✓	245
			LAEN02 ✓	
			LAEN22 ✓	435
			LAEN40 ✓	435
LC1E25...E300 LC1E2500*...LC1E9500*			LAETSD ✓	1990

## Accessories

For Use with Type LC1E	Control Circuit Voltage	Reference	Unit LP [₹]
<b>Surge Suppressors (3 and 4 pole)</b>			
LC1E06...E95	24..48 V AC	LAERCE	725
LC1E06...E95	50..127 V AC	LAERCG	
LC1E06...E95	110..240 V AC	LAERCU	
LC1E06...E95	380..415 V AC	LAERCN	

For Use with Type LC1E	Control Circuit Voltage	Reference	Unit MRP [₹]
<b>Mechanical Interlock Blocks (3 and 4 pole)</b>			
LC1E06...E65 & LC1E0600*...E3800*		LAEM1	465
LC1E80/E95 & LC1E4000*...LC1E9500*		LAEM4	1550
LC1E120..E160		LAEM5	2900
LC1E200/E250		LAEM6	2955
LC1E300		LAEM7	3755

## Spare Coils

Contacteur	Reference	Unit LP [₹]
CAE, LC1E06...E18	LAEX1**	740
LC1E25	LAEX12**	
LC1E32/E38	LAEX2**	910
LC1E40/E65	LAEX3**	1350
LC1E80/E95	LAEX4**	1695
LC1E120/E160	LAEX5**	1890
LC1E200/E250	LAEX6**	2640
LC1E300	LAEX7**	2875
LC1E0600*... LC1E1800*	LAEX1T**	850
LC1E2500*... LC1E3800*	LAEX2T**	1020
LC1E4000*...LC1E9500*	LAEX4T**	1805

Note:

- Add ₹ 110 while ordering non-standard voltages

	110	220	415
LC1E06-LC1E300	F5	M5	N5
LC1E400-LC1E630	F7	M7	N7
LC1E0600*-LC1E9500*	-	M5WB	N5WB



# EasyPact TVS Motor Protection Circuit Breaker



- Conforming to IEC 60947-2-3-4
- CE Marking
- Breaking Capacity up to 100 kA

Breaking Capacity at 415 V 50 Hz	Power AC3** KW	Motor hP	Thermal Protection Adjustment Range	Reference	Unit MRP [₹]
<b>GZ1-E Thermal Magnetic- With Pushbutton control</b>					
100 kA	-	-	0.1 - 0.16	GZ1E01	2545
	0.06	-	0.16 - 0.25	GZ1E02	
	0.09	-	0.25 - 0.40	GZ1E03	
	0.18	-	0.40 - 0.63	GZ1E04	2865
	0.37	0.5	0.63 - 1.0	GZ1E05	
	0.55	0.75	1.0 - 1.6	GZ1E06	2875
	0.75	1	1.6 - 2.5	GZ1E07	
	1.1	2	2.5 - 4	GZ1E08	2975
	2.2	3	4 - 6.3	GZ1E10	2975
	3	5.5	6 - 10	GZ1E14	3075
10 kA	5.5	7.5	9 - 14	GZ1E16	3465
	7.5	10	13 - 18	GZ1E20	3725
	9	12.5	17 - 23	GZ1E21	4120
	11	15	20 - 25	GZ1E22	4330
	15	20	24 - 32	GZ1E32	7855

## Accessories for Motor Protection Circuit Breaker

Description	Reference	Unit MRP [₹]
Side Contact	NO+NC GZ1AN11	775
	NO+NO GZ1AN20	965

## Electric trips

Montage	Type	Tension		Reference	Unit LP [₹]
Side	Undervoltage trip	110...115 V	50 Hz	GZ1 AU115	2150
		220...240 V	50 Hz	GZ1 AU225	2150
380...400 V		50 Hz	GZ1 AU385	2905	
(1 block on RH side of circuit -breaker)	Shunt trip	110...115 V	50 Hz	GZ1 AS115	2175
		220...240 V	50 Hz	GZ1 AS225	2175

Please contact Customer Care Center for Stockable and Non stockable status of references.

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FULLY  
IE3  
COMPLIANT



# Your business is ready for premium-efficiency motors

Tested and proven for IE3 motors, the TeSys motor starter range provides best-in-class features for protection, monitoring, and control in motor applications



90+  
YEARS  
of innovation  
in motor control

As the global specialist in energy management, energy efficiency is part of Schneider Electric's DNA. We are committed to helping you reduce energy costs and increase efficiency in your operations.

We believe the obligatory transition to IE3 premium efficiency motors is good news for businesses and the environment. In fact, our TeSys™ motor starter range is already compliant with IE3, as confirmed in a laboratory environment.

That means safe, highly reliable TeSys products - including contactors, circuit breakers, and thermal relays - help you ensure regulatory compliance as well as energy efficiency.

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## 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.



### 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 CO<sup>2</sup> 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.



### Control Relays - K model (AC & DC Control)



- Conformity to International Standards – IEC, UL, CSA
- Inbuilt 4 auxiliary contacts
- 10A thermal rating , AC/DC and DC low consumption coils available

No of Poles	AC Control Reference	Unit LP [₹]	DC Control Reference	Unit LP [₹]	DC low consumption Reference <sup>(1) (2) (3)</sup>	Unit LP [₹]
2NO + 2NC	CA2KN22*	1150	CA3KN22**	1555	CA4KN22***	1820
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

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



- Conformity to International Standards – IEC, UL, CSA
- Power contactors from 6 to 16 Amps in AC-3 duty, AC/DC coils
- 1NO or 1NC inbuilt auxiliary contact

[Ie] Rated Operational Current (A)	Motor Power (kW)	Auxiliary Contacts	AC Control Reference	Unit LP [₹]	DC Control Reference	Unit LP [₹]
6	3	1 NC	LC1K0601*	955	LP1K0601**	1440
		1 NO	LC1K0610*		LP1K0610**	
9	5.5	1 NC	LC1K0901*	1010	LP1K0901**	1650
		1 NO	LC1K0910*		LP1K0910**	
12	7.5	1 NC	LC1K1201*	1130	LP1K1201**	1740
		1 NO	LC1K1210*		LP1K1210**	
16	10	1 NC	LC1K1601*	1320	-	-
		1 NO	LC1K1610*		-	-

### Reversing Contactors - K model



- Conformity to International Standards – IEC, UL, CSA
- Reversing contactors from 6 to 16 Amps in AC-3 duty , 3 pole versions AC/DC coils
- 1NO or 1NC inbuilt auxiliary contact

[Ie] Rated Operational Current (A)	Motor Power (kW)	Auxiliary Contacts	AC Control Reference	Unit LP [₹]
6	3	1 NC	LC2K0601*	2965
		1 NO	LC2K0610*	
9	5.5	1 NC	LC2K0901*	3125
		1 NO	LC2K0910*	
12	7.5	1 NC	LC2K1201*	3225
		1 NO	LC2K1210*	
16	10	1 NC	LC2K1601*	3610
		1 NO	LC2K1610*	

### 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 ₹ 185/- to the unit Price of the standard contactor of the same rating.

Please contact Customer Care Center for Stockable and Non stockable status of references.

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## Accessories - K Model

Description	Contacts	Reference	Unit LP [₹]	
<b>Add On Blocks</b>				
<b>Control Relays/Contactors</b>				
Auxiliary contact block TeSys	0 NO + 2 NC	LA1KN02	315	
	1 NO + 1 NC	LA1KN11 <input checked="" type="checkbox"/>		
	2 NO + 0 NC	LA1KN20		
	0 NO + 4 NC	LA1KN04	500	
	1 NO + 3 NC	LA1KN13		
	2 NO + 2 NC	LA1KN22 <input checked="" type="checkbox"/>		
	3 NO + 1 NC	LA1KN31		
	4 NO + 0 NC	LA1KN40		
	On Delay Electronic timers - 24...48 V AC/DC, 1...30 s		LA2KT2E <sup>(1)</sup>	1670
	On Delay Electronic timers - 110...240 V AC, 1...30 s		LA2KT2UA <sup>(1)</sup>	
Suppressor module - RC circuit - 220..250 V AC		LA4KA1U*	505	
Suppressor module - varistor - 130..250 V AC/DC		LA4KE1UG*		
Suppressor module - varistor - 50..129 V AC/DC		LA4KE1FC*		
* Lot Size 5				
(1) Front mounted with common point changeover contact.				

## Thermal Overload Relays - LR2-K Model (Direct Mounting)



- Conformity to International Standards – IEC, UL, CSA
- Range available - upto 0.1A to 16A
- Direct mounting on contactors is possible upto 16A

Thermal Protection Adjustment Range	For Use With	Reference*	Unit LP [₹]
0.11...0.16 A	LC1K, LP1K, LP4K, LP2K, LC2K	LR2K0301	1500
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	
12...16 A		LR2K0322	

\* **Note:** Terminal Block for Clip-on Mounting LA7K0064 Unit LP ₹ 545/-



## TeSys D Control Relays



- Conformity to International standards - IEC, UL, CSA, CE
- Up to 5 inbuilt auxiliary contacts
- High temperature limits.

No of Poles	AC Control Reference	Unit LP [₹]	DC Control Reference <sup>(2)</sup>	Unit LP [₹]	DC low consumption Reference <sup>(1) (2) (3)</sup>	Unit LP [₹]
3NO+2NC	CAD32*	1200	CAD32**	1800	CAD32***	2090
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 contact block can be mou

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



- Conformity to International Standards – IEC, UL, CSA, CE
- 9-150 Amps, 3 and 4 pole versions, AC/DC coils
- High temperature limits
- Different levels of power and control contacts
- Inbuilt 1 NO + 1 NC auxiliary contacts
- High electrical life
- Fuse-less Type 2 Coordination Charts available

[Ie] Rated Operational Current AC1	AC3 Duty (Long Life)			AC3 Duty (Normal Life)			Auxiliary Contacts	AC Control Reference	Unit MRP [₹]	DC Control Reference <sup>(1)</sup>	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"/>	1850
	5.5	7.5	12	9	12.5	18	1 NO + 1 NC	LC1D12* <input checked="" type="checkbox"/>	1350	LC1D12** <input checked="" type="checkbox"/>	1995
32	9	12.5	18	11	15	25	1 NO + 1 NC	LC1D18* <input checked="" type="checkbox"/>	1490	LC1D18** <input checked="" type="checkbox"/>	2600
40	11	15	25	15	20	32	1 NO + 1 NC	LC1D25* <input checked="" type="checkbox"/>	1885	LC1D25** <input checked="" type="checkbox"/>	3250
50	15	20	32	22	30	40	1 NO + 1 NC	LC1D32* <input checked="" type="checkbox"/>	3885	LC1D32** <input checked="" type="checkbox"/>	6900
	18.5	25	38	-	-	-	1 NO + 1 NC	LC1D38* <input checked="" type="checkbox"/>	5700	LC1D38** <input checked="" type="checkbox"/>	8000
60	22	30	40	-	-	-	1 NO + 1 NC	LC1D40A* <input checked="" type="checkbox"/>	6100	LC1D40A**	8950
80	25	35	50	-	-	-	1 NO + 1 NC	LC1D50A* <input checked="" type="checkbox"/>	7250	LC1D50A**	11200
80	37	50	65	-	-	-	1 NO + 1 NC	LC1D65A* <input checked="" type="checkbox"/>	10050	LC1D65A**	12800

(1) Wide Range Coil (0.7.....1.25Uc) with suppressor fitted as standard up to 65A.

[Ie] Rated Operational Current AC1	AC3 Duty (Long Life)			AC3 Duty (Normal Life)			Auxiliary Contacts	AC Control Reference	Unit LP [₹]	DC Control Reference <sup>(1)</sup>	Unit LP [₹]
	kW	hP	A	kW	hP	A					
125	45	60	80	55	75	105	1 NO + 1 NC	LC1D80* <input checked="" type="checkbox"/>	12720	LC1D80**	15100
	45	60	95	55	75	110	1 NO + 1 NC	LC1D95*	15400	LC1D95**	18880
250	59	80	115	-	-	-	1 NO + 1 NC	LC1D1156*	18650	LC1D1156**	19000
	80	110	150	-	-	-	1 NO + 1 NC	LC1D1506* <input checked="" type="checkbox"/>	24600	LC1D1506**	25100

(1) Wide Range Coil (0.7.....1.25Uc) with suppressor fitted as standard up to 65A.

## DC Low Consumption Contactors (3 Pole)

[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"/>	2325
	5.5	7.5	12	9	12.5	18	1 NO + 1 NC	LC1D12**** <input checked="" type="checkbox"/>	2425
32	9	12.5	18	11	15	25	1 NO + 1 NC	LC1D18**** <input checked="" type="checkbox"/>	2810
40	11	15	25	15	20	32	1 NO + 1 NC	LC1D25**** <input checked="" type="checkbox"/>	4780
50	15	20	32	22	30	40	1 NO + 1 NC	LC1D32**** <input checked="" type="checkbox"/>	7955

## Coil Voltage Code

Type	Voltage	24	48	72	110	220	415
AC*	CAD, LC1-D09..to D38, D40A, 50A ,65A & D150 50/60Hz	B7	-	-	F7	M7	N7
	LC1-D80..to D95 & D115 50Hz	B5	-	-	F5	M5	N5
DC**	CAD, LC1-D09..to D38, D40A, 50A , 65A, 80 , 95, 115 & D150	BD	-	-	FD	MD	-
DC Low Consumption***	CAD	BL	-	-	FL	ML	-
DC Low Consumption****	LC1D09...D32	BL	EL	SL	-	-	-

For ordering contactors with other coil voltages & frequencies, please add ₹ 185/- to the unit Price of the Standard Contactor for the same rating.

For additional auxiliary block, timers & other accessories, please see page 15 and page 16

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. December 21, 2015

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



- Conformity to International Standards – IEC, UL, CSA, CE
- 20A to 250A AC1 Rating
- In-built 1NO+1NC auxiliary contact, up to 40A
- High Temperature limits

[Ie] Rated Operational Current AC1	Poles Composition	AC control Reference	Unit MRP [₹]	DC control Reference	Unit MRP [₹]
20	4NO	-	-	LC1DT20**	1960
	2NO+2NC	-	-	LC1D098**	2300
25	4NO	-	-	LC1DT25**	2495
	2NO+2NC	-	-	LC1D128**	3295
32	4NO	-	-	LC1DT32**	2960
	2NO+2NC	-	-	LC1D188**	3860
40	4NO	-	-	LC1DT40**	4650
	2NO+2NC	-	-	LC1D258**	6125
60	4NO	-	-	LC1DT60A**	9775
	2NO+2NC	-	-	LP1D40008**	11545

[Ie] Rated Operational Current AC1	Poles Composition	AC control Reference	Unit LP [₹]	DC control Reference	Unit LP [₹]
80	4NO	-	-	LC1DT80A**	13815
	2NO+2NC	-	-	LP1D65008**	16645
125	4NO	-	-	LP1D80004**	18390
	2NO+2NC	-	-	LP1D80008**	20770
250	4NO	LC1D1150046	23935	LC1D1150046**	26775

Coil Voltage Code

	VOLTAGE			
	24	110	220	415
LC1D115 50Hz	-	F5	M5	N5
<b>DC**</b> LC1DT20...DT40, LC1-DT60A & DT80A & LC1D09...D80, D115 and LP1D650 -- LP1D800	BD	FD	MD	-

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

For ordering contactors with other coil voltages & frequencies, please add ₹ 185/- to the unit price of the standard contactor of the same rating.

Capacitor Duty Contactors (AC Control)



- Special Contactors designed for switching 3Phase capacitors
- Conformity to IEC Standards
- Current limitation by the inbuilt damping resistors
- 1NO + 1NC inbuilt auxiliary contact

Nominal Reactive Power 440 V	Auxiliary Contacts	Reference	Unit MRP [₹]
<b>LC1-D•K - with Damping Resistors &amp; Block of Early Make poles</b>			
12.5 KVAR	1 NO + 1 NC	LC1DFK*	2600
16.7 KVAR	1 NO + 1 NC	LC1DGK11*C	3680
20 KVAR	1 NO + 1 NC	LC1DLK*	4285
25 KVAR	1 NO + 1 NC	LC1DMK11*C	4770
33.3 KVAR	1 NO + 2 NC	LC1DPK*C	10150
40 KVAR	1 NO + 2 NC	LC1DTK*C	14100
60 KVAR	1 NO + 2 NC	LC1DWK*C	16200

\* Coil Voltage Code

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

**Note:** For ordering contactors with other coil voltages & frequencies, please add ₹ 185/- to the unit price of the standard contactor of the same rating.

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. December 21, 2015

Accessories - For D Model Contactors

Description	Contacts	Reference	Unit MRP [₹]	
<b>Add On Blocks</b>				
Additional instantaneous auxiliary contact blocks	Front Mounted	1 NO	LADN10*	185
		1 NC	LADN01*	
		1 NO+1NC	LADN11 <input checked="" type="checkbox"/>	350
		2 NO	LADN20 <input checked="" type="checkbox"/>	
		2 NC	LADN02	350
		2 NO+2NC	LADN22 <input checked="" type="checkbox"/>	
		4 NC	LADN04	585
		4 NO	LADN40 <input checked="" type="checkbox"/>	
		1 NO+3NC	LADN13	
	3 NO+1NC	LADN31 <input checked="" type="checkbox"/>		

Description	Contacts	Reference	Unit LP [₹]	
<b>Add On Blocks</b>				
Additional instantaneous auxiliary contact blocks	Side Mounted <sup>(1)</sup>	1 NO+1NC	LAD8N11	860
		2 NO	LAD8N20	
Pneumatic timer blocks front mounted	ON delay	1 NO+1NC 0.1..3s	LADT0	2135
		1 NO+1NC 0.1..30s	LADT2	
		1 NO+1NC 10..180s	LADT4	2280
	1 NO+1NC 1..30s <sup>(2)</sup>	LADS2 <input checked="" type="checkbox"/>		
	OFF delay	1 NO+1NC 0.1 ..3s	LADR0	
		1 NO+1NC 0.1 ..30s	LADR2 <input checked="" type="checkbox"/>	
1 NO+1NC 10..180s		LADR4		
Set of shins to be used with 4 pole contactors		LA9D511	835	

(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 80 Amps, 95A & Model F Contactors only

Description	Time Delay Range	Timer Type	Reference	Unit LP [₹]
On delay timer <sup>(1)(2)</sup>	15...30 s	On delay	LA4DT2U	2570
On delay timer <sup>(1)(2)</sup>	0.1...2 s	On delay	LA4DT0U	
On delay timer <sup>(1)(2)</sup>	25...500 s	On delay	LA4DT4U	
Relay interface module - 24V DC <sup>(1)(2)</sup>	-	-	LA4DFB	2370

(1) For LC1 D09...38A (3P, AC coils only) add mounting adaptor LAD4BB = ₹ 540/- and for LC1 D40A...65A (3P, AC coils only), add mounting adaptor LAD4BB3 = ₹ 455/-.

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

Mounting Location	For Use With Contactor	Reference	Unit LP [₹]
<b>For D Model Mechanical Latch Blocks</b>			
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*	3095
	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*	3235

\* Replace by Voltage Code (AC 50/60 Hz / DC)

Note: For ordering Mechanical Latch Block with other coil voltages, please add ₹ 185/- 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

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. December 19, 2014



Accessories - D Model

For use with contactor	Reference	Unit LP [₹]
<b>Mechanical interlock</b>		
LC1D09..D38 , LC1DT20..DT40	LAD9V2 <sup>(1)</sup>	485
LP1D 40..65, LC1D80..95	LA9D4002	2145
LP1D 80	LA9D8002	3235
LC1D115.. 150	LA9D11502	3275
<b>Ready made reversing kit</b>		
LC1D09..D38	LAD9R1 <sup>(2)</sup>	690
	LAD9R1V <sup>(3)</sup>	960

(1) Reference only of mechanical interlock (For mechanical strength use mounting clip LAD9V17, when using only mechanical interlock. Price available on request)

(2) Set of power connections with mechanical interlock.

(3) Set to power connections with mechanical and electrical interlock.

Description	Fixing	Reference	Unit LP [₹]
<b>For Contactors (D40A, 50A, 65A , DT60A &amp; DT80A)</b>			
Mechanical Interlock	Clip - On	LAD4CM	980
Varistor (24...48 V)		LAD4V3E	830
Varistor (110...240 V)		LAD4V3U	
RDOL kit		LAD9R3	2230
RC circuit (110...240 V)	Clip - On	LAD4RC3U	485

Spare coils D model

Product Compatibility	Reference	Unit MRP [₹]
<b>AC Coils</b>		
CAD, LC1-D09...D38, DT20..40	LXD1*	790
LC1D40A, D50A, D65A & LC1DT60A, DT80A	LXD3*	2145
D80 & D95 (3P & 4P)	LX1D6*	2270
LC1-D115,D150	LX1D8*	3515
<b>DC Coils</b>		
LC1-D80-D95	LX4D7**	6755
LC1-D115, D150	LX4D8**	7430

**Note:** For ordering coils with other voltages and frequencies, please add ₹ 185/- to the unit price of the respective standard coil.

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	B7	F7	M7	N7
	D80 & D95 (3P & 4P), LC1 - D115	B5	F5	M5	N5
DC**	LC1-D80, LC1-D115, D150	BD	FD	MD	-

Description	For Use With	Reference	Unit LP [₹]
<b>For Contactor D115/150</b>			
Arc chamber - 3P	LC1D1156	LA5D11550	3850
Arc chamber - 3P	LC1D1506	LA5D15050	3850
Contacts set - 3P	LC1D1156	LA5D1158031	10170
Contacts set - 3P	LC1D1506	LA5D150803	10545
Contacts set - 4P	LC1D1150046	LA5D115804	14030

Product Compatibility	Fixing	Control Circuit Voltage	Suppressor Type	Reference	Unit LP [₹]
<b>Coil Suppressor Modules</b>					
LC1-D12...D25 (4P)	Clip-on	24...48 V AC	RC Circuit AC	LA4DA1E	780
LC1-D12...D25 (4P)		110...240 V AC	RC Circuit AC	LA4DA1U	
LC1-D12 & D25 (4P)		12...250 V DC	Diode DC	LA4DC1U	
LC1-D12...D25 (4P)		24...48 V AC/DC	Varistor AC/DC	LA4DE1E	
-		110...250 V AC/DC	Varistor AC/DC	LA4DE1U	
LC1D09...D38, LC2D09...D38, LC1DT20...DT40, LC2DT20...DT40 (3P)		24...48 V AC	Varistor AC/DC	LAD4VE	755
		24...48 V AC 400 Hz	RC Circuit AC	LAD4RCE	680
		50...127 V AC 200 Hz	RC Circuit AC	LAD4RCG	
		110...240 V AC 100 Hz	RC Circuit AC	LAD4RCU <input checked="" type="checkbox"/>	
		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	780
LC1D80...D115, LC2D80...D115 (3P) LC1D80...D115, LC2D80...D115 (4P)		24...48 V AC	Varistor AC/DC	LA4DE2E	745
		110...250 V AC	Varistor AC/DC	LA4DE2U	
		24...48 V AC 400 Hz	RC Circuit AC	LA4DA2E	1185
		50...127 V AC 200 Hz	RC Circuit AC	LA4DA2G	
		110...240 V AC 100 Hz	RC Circuit AC	LA4DA2U	
		380...415 V AC 150 Hz	RC Circuit AC	LA4DA2N	1185
		24...48 V DC	Varistor AC/DC	LA4DE3E	780
		110...250 V DC	Varistor AC/DC	LA4DE3U	745

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. December 21, 2015

# Advanced motor protection for a wide range of applications

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



[schneider-electric.com/TeSys](https://schneider-electric.com/TeSys)

[schneider-electric.co.in](https://schneider-electric.co.in)

Life Is On

**Schneider**  
Electric

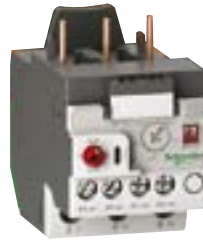
17 Life Is On **Schneider**  
Electric

### Thermal Overload Relays - D Model



- Conformity to International Standards – IEC, UL, CSA
- Range available - 0.1A to 104 A
- Direct mounting on contactors is possible upto 95A
- Higher operating temperature
- Tripping class 10A & 20A available

### Electronic Relays - D Model



- Conformity to International Standards - IEC, UL, CSA
- Range Available - 0.1A to 110A
- Higher Operating Temperature
- Tripping class, 10, 20 & 30 Selectable
- 5:1 Adjustment range Available
- Type 1 & type 2 Coordination chart available.

Thermal Protection Adjustment Range	For Use With	Reference*	Unit MRP [₹]
<b>LRD Model (Direct Mounting)</b>			
0.1...0.16 A		LRD01	1690
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, LC1D09...LC1D38	LRD06 <input checked="" type="checkbox"/>	
1.6...2.5 A		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"/>	
9...13 A		LRD16 <input checked="" type="checkbox"/>	
12...18 A		LRD21 <input checked="" type="checkbox"/>	
16...24 A	GV2L22, LC1D25...D38	LRD22 <input checked="" type="checkbox"/>	1790
23...32 A	LC1D25...LC1D38, LC1D32	LRD32 <input checked="" type="checkbox"/>	3100
30...38 A	LC1D32, LC1D38	LRD35	
23...32 A	LC1D40A...D65A	LRD332	3200
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
48...65 A	LC1D80...LC1D95	LRD3357	5035
48...65 A	LC1D40A...D65A	LRD365	5350
48...65 A	LC1D80...LC1D95	LRD3359	

Current Range	For Use With	Reference*	Unit MRP [₹]
0.1...0.5A		LR9D01	7,165
0.4...2.0A	LC1D09 - 38A Direct Mounting	LR9D02	7,490
1.6...8.0A		LR9D08	7,490
6.4...32A		LR9D32	8595
22...110A	Separate Mounting	LR9D110S	13,140

Note: For LR9D01 to LR9D32 - Terminal Block for Clip on Mounting LAD7B205. **Unit LP ₹. 635**

Thermal Protection Adjustment Range	For Use With	Reference*	Unit LP [₹]
<b>LRD Model (Direct Mounting)</b>			
63...80 A	LC1D65...LC1D95	LRD3363	5745
80...104 A	LC1D80, LC1D95	LRD3365	7300

**Note:**

- \*For LRD01...LRD35 - Terminal Block for clip-on Mounting LAD7B106 Unit LP: ₹ 505/-
- \*For LRD33\*\* - Terminal Block for clip-on Mounting LA7D3064  Unit LP: ₹ 1515/-
- For LRD332, LRD340, LRD350 & LRD365 - Connection block for separate mounting LAD96560 Unit LP: ₹ 1255/-
- 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.

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. December 21, 2015

# 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





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



- Conformity to International Standards – IEC, UL, CSA, CE
- High electrical life
- 115-800 Amps, AC/DC coils
- Type 2 Coordination Charts available
- Common accessories as Model D

[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 ✓	15500
250	80	110	150	100	135	185	LC1F150 ✓	21700
275	100	135	185	110	150	205	LC1F185 ✓	24950
315	110	150	225	140	190	265	LC1F225 ✓	28000
350	140	190	265	160	220	300	LC1F265 ✓	32900
400	180	245	330	220	300	400	LC1F300 ✓	39100
500	220	300	400	250	340	450	LC1F400 ✓	45200
700	280	380	500	375	500	630	LC1F500 ✓	62700
1000	375	500	630	450	610	800	LC1F630	112750
1000	450	610	800	-	-	-	LC1F800	175000

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.
- For additional auxiliary block and other accessories please see page 21
- 3 Pole, 1000A, AC3 duty contactors are available on request. Please contact Customer care centre for more details.

### 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	25600
250 A	4 NO	LC1F1504	31140
275 A	4 NO	LC1F1854	38830
315 A	4 NO	LC1F2254	45820
350 A	4 NO	LC1F2654	51185
400 A	4 NO	LC1F3304	60835
500 A	2 NO	LC1F4002	43125
500 A	4 NO	LC1F4004	71760
700 A	2 NO	LC1F5002	63465
700 A	4 NO	LC1F5004	104785
1000 A	2 NO	LC1F6302	103055
1000 A	4 NO	LC1F6304	152305
1600 A	4 NO	LC1F7804	325025

Note:

- Contactor reference does not include coil. Contactor coil & aux. contacts to be ordered separately.(Coil includes 1 NO contact)
- For additional auxiliary block, timers & other accessories please see page 13
- Power terminals may be protected by the addition of shrouds, to be ordered separately.

### Coils F Model

Product compatibility	AC Coil Reference	Unit LP [₹]	DC Coil Reference <sup>(2)</sup>	Unit LP [₹]
LC1F115, LC1F150	LX1FF*	3200	LX4FF**	7300
LC1F185, LC1F225	LX1FG*	4500	LX4FG**	9600
LC1F265, LC1F330	LX1FH*	5600	LX4FH**	11900
LC1F400	LX1FJ*	11900	LX4FJ**	18300
LC1F500	LX1FK*	14000	LX4FK**	19000
LC1F630	LX1FL*	15800	LX4FL**	19700
LC1F780	LX1FX* <sup>(3)</sup>	34905	LX4FX** <sup>(3)</sup>	36665
LC1F800	<sup>(1)</sup>	-	LX4F8**	26500

### Coil Voltage Code

Type	Voltage (V)	24	110	220	415
AC*	LC1F115--F225, LC1F400 -- 780	-	110	220	415
	LC1F265, LC1F330		1102	2202	3802
DC**	LC1F115--F330	024	110	220	-
	LC1F400--F780	-	110	220	
	LC1F800	-	FW	MW	

Note: For ordering coils with other voltages and frequencies, please add ₹ 185/- to the unit Price of the respective standard coil.

Please replace ( \* ) with the Corresponding Control Voltage.

(1) Use rectifier with required DC coil (Ref: DR5TE4U) LP ₹ 8220/-

(2) Coil with suppressor fitted as standard.

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

Please contact Customer Care Center for Stockable and Non stockable status of references.

✓ NORMAL STOCK ITEMS

W.E.F. December 21, 2015

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*	89350
320 A	320 A	160	213	1 NO + 1 NC	LC1V320*	119980
630 A	610 A	300	400	1 NO + 1 NC	LC1V610*	215205

\* 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.

Accessories - D and F Model

Description	Contacts	Reference	Unit MRP [₹]
<b>Add On Blocks</b>			
Additional instantaneous auxiliary contact blocks	1 NO	LADN10*	185
	1 NC	LADN01*	
	1 NO+1NC	LADN11 <input checked="" type="checkbox"/>	350
	2 NO	LADN20 <input checked="" type="checkbox"/>	
	2 NC	LADN02	585
	2 NO+2NC	LADN22 <input checked="" type="checkbox"/>	
	4 NC	LADN04	
	4 NO	LADN40 <input checked="" type="checkbox"/>	
1 NO+3NC	LADN13	585	
3 NO+1NC	LADN31 <input checked="" type="checkbox"/>		

Description	Contacts	Reference	Unit LP [₹]	
<b>Add On Blocks</b>				
Additional instantaneous auxiliary contact blocks	1 NO+1NC	LAD8N11	860	
	2 NO	LAD8N20		
Pneumatic timer blocks front mounted	1 NO+1NC 0.1..3s	LADT0	2135	
	1 NO+1NC 0.1..30s	LADT2		
	1 NO+1NC 10..180s	LADT4		
	1 NO+1NC 1..30s <sup>(2)</sup>	LADS2 <input checked="" type="checkbox"/>	2280	
	OFF delay	1 NO+1NC 0.1 ..3s	LADR0	2135
		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 80 Amps, 95A & Model F Contactors only

For Use With Contactor	Reference	Unit LP [₹]
<b>Mechanical Interlocks <sup>(1)</sup> - Horizontally Mounted</b>		
LC1F115, LC1F150, LC1F1154, LC1F1504	LA9FF970	2825
LC1F185, LC1F1854, LC1F225, LC1F2254	LA9FG970	3275
LC1F265, LC1F330, LC1F400, LC1F500, LC1F2654, LC1F3304, LC1F4004, LC1F5004	LA9FJ970	3670
LC1F630, LC1F6304, LC1F800	LA9FL970	4075

(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\*

LC1F115, LC1F150	LA5FF431 <input checked="" type="checkbox"/>	15040
LC1F185, LC1F225	LA5FG431	21745
LC1F265	LA5FH431	28640
LC1F330, LC1F400	LA5F400803	34725
LC1F500	LA5F500803	44675
LC1F630	LA5F630803	71055
LC1F800	LA5F800803	89230

\* 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 [₹]
<b>Suppressor Blocks</b>				
suppressor module clip on	All AC ratings	LA4FRCF	LA4FRCP	3810
suppressor bracket	For all LA4F	LA9D09981		390

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

### Coils F Model

Product compatibility	AC Coil Reference	Unit MRP [₹]	DC Coil Reference <sup>(2)</sup>	Unit LP [₹]
LC1F115, LC1F150	LX1FF*	3200	LX4FF**	7300
LC1F185, LC1F225	LX1FG*	4500	LX4FG**	9600
LC1F265, LC1F330	LX1FH*	5600	LX4FH**	11900
LC1F400	LX1FJ*	11900	LX4FJ**	18300
LC1F500	LX1FK*	14000	LX4FK**	19000
LC1F630	LX1FL*	15800	LX4FL**	19700
LC1F780	LX1FX* <sup>(3)</sup>	34905	LX4FX** <sup>(3)</sup>	36665
LC1F800	<sup>(1)</sup>	-	LX4F8**	26500

### Coil Voltage Code

Type	Voltage (V)	24	110	220	415
AC*	LC1F115--F225, LC1F400 -- 780	-	110	220	415
	LC1F265, LC1F330		1102	2202	3802
	LC1F115--F330	024	110	220	-
DC**	LC1F400--F780	-	110	220	
	LC1F800	-	FW	MW	

Please replace ( \* ) with the Corresponding Control Voltage.

- (1) Use rectifier with required DC coil (Ref: DR5TE4U) LP ₹ 8220/-
- (2) Coil with suppressor fitted as standard.
- (3) Set of two coils to be connected in series.

**Note:** For ordering coils with other voltages and frequencies, please add ₹ 185/- to the unit price of the respective standard coil.

Product compatibility	110V Reference	220/230V Reference	415/440V Reference	Unit LP [₹]
<b>Hoisting Applications - AC Coils</b>				
LC1F265, LC1F330	LX9FH1102	LX9FH2202	-	14935
LC1F400	LX9FJ925	LX9FJ931	LX9FJ937	18445
LC1F500	LX9FK925	LX9FK931	LX9FK937	21510
LC1F630	LX9FL924	LX9FL931	LX9FL936	22660

**Note:** Rectifier is a must with the coil. Ref no. DR5TE4U for 110..230V & DR5TE4S\* for 415..440V , LP ₹ 8220/- needs to be added extra with coil.

Product compatibility	48V Reference	110V Reference	220V Reference	440/460 V Reference	Unit LP [₹]
<b>Hoisting Applications - DC Coils</b>					
LC1F400	LX9FJ918	LX9FJ926	LX9FJ932	LX9FJ938	22075
LC1F500	LX9FK918	LX9FK926	LX9FK932	LX9FK938	23610
LC1F630	LX9FL918	LX9FL926	LX9FL931	LX9FL937	23740

- 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 [₹]
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### Economy Resistor

- To be used with hoisting application DC coil

LC1F400	1 x DR2SC0047	1 x DR2SC1200	1 x DR2SC4700	2835
LC1F500	1 x DR2SC0039	1 x DR2SC1000	1 x DR2SC3300	
LC1F630	2 x DR2SC0047	2 x DR2SC0047	2 x DR2SC3900	

### 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 [₹]
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### LR9-F Electronic Protection Relays

90...150 A	LR9F5369 <input checked="" type="checkbox"/>	9410
132...220 A	LR9F5371	11540
200...330 A	LR9F7375	11605
300...500 A	LR9F7379	15035
380...630 A	LR9F7381	16130

### Accessories

Description	For Use With	Relay Type	Reference	Unit LP [₹]
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#### For LR9 - F Relay

Mounting plate LA7F		LR9-F5369, LR9-F5371	LA7F901	2660
		LR9-F7375, LR9-F7379, LR9-F7381	LA7F902	3585

#### Connection Accessories

LA7F busbar	LC1F115	LR9-F5369	LA7F401	1795
	LC1F225/265	LR9-F5371	LA7F403	2590
	LC1F225-400	LR9-F7375, LR9-F7379, LR9-F7381	LA7F404	2765
	LC1F500	LR9F7381	LA7F405	3275
	LC1F630/800	LR9-F7381	LA7F406	3500

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. December 21, 2015



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# Lineryg

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**Lineryg BZ**  
Power Busbars

- > Quick connection plates for Compact and TeSys offers
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- > Panel easily upgradeable
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- > Optimised productivity and efficiency of your control panel
- > Easy to install
- > High reliability

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

Motor Circuit Breakers



- Conforming to IEC 60947-2-3-4
- Thermal magnetic circuit breakers range from 0.1-220 Amps
- High Breaking capacity up to 100 kA
- Conformity to International Standards - UL, CSA, CE
- 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)**

100 kA	-	-	0.1 - 0.16	GV2ME01	3015
	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	3525
	0.75	1	1.6 - 2.5	GV2ME07	
	1.1	2	2.5 - 4	GV2ME08	
15 kA <sup>(1)</sup>	2.2	3	4 - 6.3	GV2ME10	3600
	3	5.5	6 - 10	GV2ME14	
	5.5	7.5	9 - 14	GV2ME16	4200
	7.5	10	13 - 18	GV2ME20	
	9	12.5	17 - 23	GV2ME21	4950
	11	15	20 - 25	GV2ME22	
10 kA <sup>(1)</sup>	15	20	24 - 32	GV2ME32	8100

**GV2-P Model Thermal Magnetic - With Rotary Handle Control**

100 kA	-	-	0.1 - 0.16	GV2P01	3610
	0.06	-	0.16 - 0.25	GV2P02	
	0.09	-	0.25 - 0.40	GV2P03	
	0.18	-	0.40 - 0.63	GV2P04	3915
	0.37	0.5	0.63 - 1.0	GV2P05	
	0.55	0.75	1.0 - 1.6	GV2P06	4060
	0.75	1.0	1.6 - 2.5	GV2P07	
	1.1	2	2.5 - 4	GV2P08	
50 kA <sup>(2)</sup>	2.2	3	4 - 6.3	GV2P10	4375
	3	5.5	6 - 10	GV2P14	
	5.5	7.5	9 - 14	GV2P16	4960
	7.5	10	13 - 18	GV2P20	
35 kA <sup>(2)</sup>	9	12.5	17 - 23	GV2P21	6100
	11	15	20 - 25	GV2P22	
	15	20	24 - 32	GV2P32	10245

**GV3-P Range Thermal Magnetic - With Rotary Handle Control**

50 kA	18.5	30...40 A	GV3P40	12100
	22	37...50 A	GV3P50	14800
	30	48...65 A	GV3P65	15500

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

**GV3-M Range Thermal Magnetic - Pushbutton Control**

15 kA	37	-	56...80 A	GV3ME80	13830
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\*\* 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.

Motor Circuit Breakers



- Conforming to IEC 60947-2-3-4
- Magnetic circuit breakers range from 0.1-80A Amps
- High Breaking capacity up to 100kA
- Conformity to International Standards - IEC, UL, CSA, CE
- Wide range of accessories

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

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

100 kA	0.09	-	0.4	GV2LE03	3100
	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	3555
	7.5	10	18	GV2LE20	
	11	15	25	GV2LE22	
10 kA	15	20	32	GV2LE32	6105

**GV2-L Model Magnetic - With Rotary Handle Control \***

100 kA	0.09	-	0.4	GV2L03	4095
	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	10090
	7.5	10	18	GV2L20	
	11	15	25	GV2L22	

**GV3-L Range Magnetic - With Rotary Handle Control**

50 kA	18.5	40	GV3L40	9875
	22	50	GV3L50	10090
	30	65	GV3L65	10430

\* 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** kW		Thermal Protection Adjustment Range	Reference	Unit LP [₹]
	kW	hP			

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

36 kA	45	60 - 100	GV7RE100	21555
	75	90 - 150	GV7RE150	29590
35 kA	110	132 - 220	GV7RE220	36375
	18.5	25 - 40	GV7RS40	23320
70 kA	22	30 - 50	GV7RS50	23320
	37	48 - 80	GV7RS80	24950
	45	60 - 100	GV7RS100	24950
	75	90 - 150	GV7RS150	33530
	110	132 - 220	GV7RS220	41115

\* Conforming to IEC 60947-2 for Type 2 coordination

\*\* 50/60Hz - 415 V.

Please contact Customer Care Center for Stockable and Non stockable status of references.

☑ NORMAL STOCK ITEMS

W.E.F. December 19, 2014



Accessories for Motor Circuit Breakers

Description	Reference	Unit LP [₹]	
<b>For GV2</b>			
Front contact NO or NC <sup>(1)</sup>	GVAE1	615	
Front contact NO + NC	GVAE11 <input checked="" type="checkbox"/>	830	
	GVAE20		
Side contact NO + NC	GVAN11 <input checked="" type="checkbox"/>	915	
	GVAN20	915	
Fault signalling contact +1 NO contact <sup>(2)</sup>	GVAD1010 <input checked="" type="checkbox"/>	1185	
Fault signalling contact +1 NC contact <sup>(2)</sup>	GVAD1001	1185	
Short circuit signalling contact block 1 C/O	GVAM11	1135	
Undervoltage trip :	110 ... 115V 50Hz	GVAU115	2185
	220 ... 240V 50Hz	GVAU225	2185
	380 ... 400V 50Hz	GVAU385	2185
Shunt trip :	110 ... 115V 50Hz	GVAS115	2185
	220 ... 240V 50Hz	GVAS225	2185
	380 ... 400V 50Hz	GVAS385	2185
Additive limiter for increasing breaking capacity to 100kA for GV2ME and GV2P.	GV1L3	3525	
Connection block - GV2 with contactor LC1-D09..D38	GV2AF3	420	
Connection block - LS1 D32 or GV2 with contactor LC1-K or LP1-K	GV2AF01	450	
Empty enclosure for GV2ME - plastic	GV2MP02	1575	
	GV2MC02	1730	

(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 [₹]
<b>For GV2 Breakers</b>			
45 mm	2	GV2G245	925
	4	GV2G445	1460
54 mm	2	GV2G254	1085
	3	GV2G354	1230
	4	GV2G454	1545
72 mm	5	GV2G554	1665
	2	GV2G272	1355
	4	GV2G472	1875

Description	Reference	Unit LP [₹]
<b>Accessories for Busbars</b>		
Terminal block - to supply one or more 3-pole busbar GV2	GV2G05	2355
Protective end covers for unused busbar outlets	GV1G10	405
Terminal block for connection from top	GV1G09	1240

Accessories for Motor Circuit Breakers

Description	Reference	Unit LP [₹]
<b>For GV3-M</b>		
Auxiliary contact - 1 NO + 1 NC early-break	GV3A01	1000
Auxiliary contact - 2 NO early-break	GV3A02	
Under voltage release - 110 V AC 50Hz	GV3B11	3420
Under voltage release - 220 V AC 50Hz	GV3B22	
Under voltage release - 380 V AC 50Hz	GV3B38	
Shunt release - 110 V AC 50Hz	GV3D11	3420
Shunt release - 220 V AC 50Hz	GV3D22	
Shunt release - 380 V AC 50Hz	GV3D38	

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

Accessories for Motor Circuit Breakers

Description	Reference	Unit LP [₹]
<b>For GV2-P/GV2-L</b>		
External operator - IP54, Black	GV2APN01 <input checked="" type="checkbox"/>	2190
External operator - IP54, Yellow/Red	GV2APN02	4045
Visible isolation block - for motor circuit breaker GV2	GV2AK00	1835
<b>For GV3P/GV3L</b>		
<b>Auxiliary Contacts</b>		
Front contact: 1 NO (fault) + 1 NC (Auxiliary)	GVAED011	785
Front contact: 1 NO (fault) + 1 NO (Auxiliary)	GVAED101	865
<b>Busbar</b>		
3-pole, 3 tap, 64 mm pitch	GV3G364	905
S-shape bus bar	GV3S	660
<b>External Operator</b>		
IP54, Black	GV3APN01	2610
IP54, Yellow/Red	GV3APN02	

Note: All other accessories are same as of GV2

Description	Operating Voltage	Reference	Unit LP [₹]
<b>For GV7</b>			
Accessory for direct rotary handle mount on door <sup>(2)</sup>	-	GV7AP05	1445
Auxiliary contact - 1 OC	-	GV7AE11 <input checked="" type="checkbox"/>	1405
Clip-on connector - upto 150 A - 1.5..95 mm <sup>2</sup>	-	GV7AC021	570
Clip-on connector- upto 220 A - 1.5..185 mm <sup>2</sup>	-	GV7AC022	545
Fault discrimination Device	24...72V DC/ 24...48V AC	GV7AD111	4155
	110 ... 240V AC/ DC	GV7AD112	4155
Front rotary handle	-	GV7AP03	2440
GV7AP GV7R - black handle <sup>(2)</sup>	-	GV7AP01	4255
Padlocking device - 1..3 padlocks Ø 5.8mm shank <sup>(3)</sup>	-	GV7V01	665
Phase barriers	-	GV7AC04	735
Terminal shields IP405 <sup>(1)</sup>	-	GV7AC01	1500

<b>For GV7</b>			
Shunt release	110...130 V AC 50/60 Hz	GV7AS107	3230
	200...240 V AC 50/60 Hz	GV7AS207	
	380...440 V AC 50/60 Hz	GV7AS387	
Under Voltage release	110...130 V AC 50/60 Hz	GV7AU107	3460
	200...240 V AC 50/60 Hz	GV7AU207	
	380...440 V AC 50/60 Hz	GV7AU387	
3-pole spreader - for Motor circuit breaker GV7 45 mm pitch	-	GV7AC03	960

(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

Vario Switch Disconnectors

[I <sub>th</sub> ] 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	2150
16 A	3P	5.5 kW	VCF01GE	2340
20 A	3P	7.5 kW	VCF0GE	2845
25 A	3P	11 kW	VCF1GE	3055
32 A	3P	15 kW	VCF2GE	3580
50 A	3P	22 kW	VCF3GE	5545
63 A	3P	30 kW	VCF4GE	6490

\* Rated Power at 415 V

\*\* I<sub>th</sub> 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	460
63 - 80 A	4 Screw Fixing	IP65	KCF2PZ	490
125 - 175 A	4 Screw Fixing	IP40	KCF3PZ	2030

Vario Switch Disconnectors

[I <sub>th</sub> ] Conventional Thermal Current	Poles Description	Reference	Unit LP [₹]
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Complete Switch with Padlockable Operator

• Suitable for Front Mounting or Base Mounting

12 A	3P	VCF02	1350
20 A	3P	VCF01	1465
25 A	3P	VCF0	1715
32 A	3P	VCF1	1795
40 A	3P	VCF2	2230
63 A	3P	VCF3	3500
80 A	3P	VCF4	3780
125 A	3P	VCF5	8685
175 A	3P	VCF6	10535

Switch Bodies

12 A	V02	870
20 A	V01	1010
25 A	V0	1210
32 A	V1	1460
40 A	V2	1795
63 A	V3	2510
80 A	V4	3300
125 A	V5	6700
175 A	V6	8545

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 <sup>(1)</sup>

Main Pole Module	V02/VCF02	12 A	1P	-	-	VZ02	620
	V01/VCF01	20 A	1P	-	-	VZ01	640
	V0/VCF0	25 A	1P	-	-	VZ0	670
	V1/VCF1	32 A	1P	-	-	VZ1	660
	V2/VCF2	40 A	1P	-	-	VZ2	710
	V3/VCF3	63 A	1P	-	-	VZ3	920
	V4/VCF4	80 A	1P	-	-	VZ4	920
Neutral Pole Module <sup>(2)</sup>	V02 / VCF02 to V2 / VCF2	-	1N	-	-	VZ11	760
	V3 / VCF3 to V4 / VCF4	-	1N	-	-	VZ12	1020
	V5 / VCZ5 to V6 / VCZ6	-	1N	-	-	VZ13	2115
Earthing Module	V02 / VCF02 to V2 / VCF20	-	-	-	-	VZ14	745
	V3 / VCF3 to V4 / VCF4	-	-	1	-	VZ15	880
	V5 / VCZ5 to V6 / VCZ6	-	-	1	-	VZ16	1385
Auxiliary Contact Block Module	V02/ VCF02 to V6 / VCZ6	-	-	-	1 NO + 1 NC	VZ7	780
	V2/ VCF02 to V6 / VCZ6	-	-	-	2 NO	VZ20	780

(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	745
		VZ30	880
Shaft extension - for Mini-VARIO and VARIO - V3 V4 V5 V6	V3, V4, V5, V6	VZ18	880
		VZ31	1015
		VZ17 / VZ30	185
Door interlock plate	VZ18/31	KZ74	335

Input Terminal Protection Shrouds

Terminal Shrouds	V02 - V2	VZ8	245
		VZ26	205
	V3 - V4	VZ9	260
		VZ27	205
	V5 - V6	VZ10	335
		VZ28	370
V02 - V6	VZ29	245	

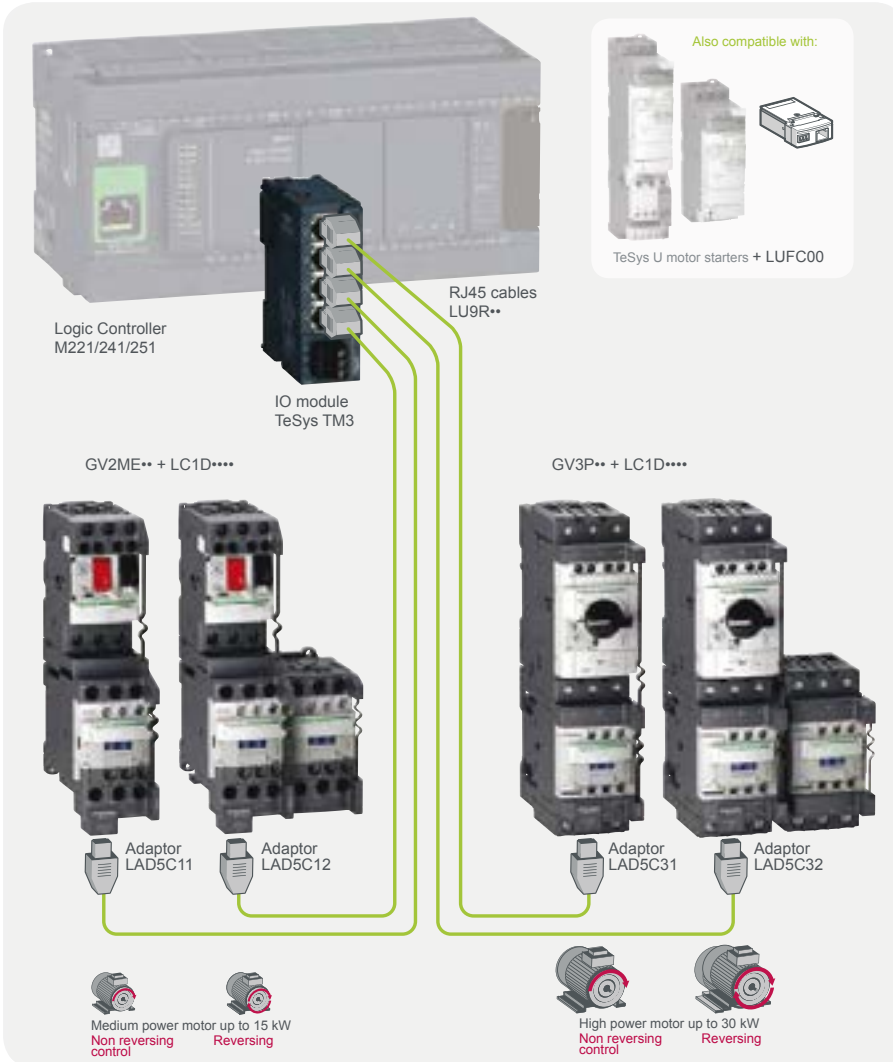
Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

# Let TeSys SoLink be your drive!

Integration system for motor starters up to 30 kW/400 V in automation environment



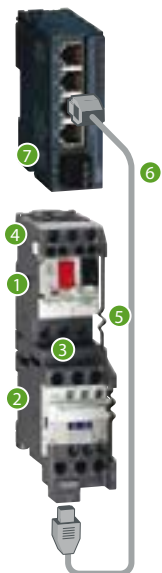
**20** times faster for control circuit wiring  
Simple and fast wiring

**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)
<b>Connection Cable</b>		
6 Connection Cable**	LU9R**	
<b>IO Module</b>		
7 IO Module	TM3XTYS4	

**Note:**

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

# Switching and Controlling is now SMART with TeSys Intelligence



## Tesys U



## Tesys T



Ethernet  
Ready  
Intelligent  
Motor  
Control



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.



## TeSys T Motor Management System - Controllers



- 0.4-810 Amps with inbuilt CTs up to 100 Amps.
- 24V DC and 110 VAC Control Voltages available
- 6 DI and 4 DO with main module and extendable further using expansion module
- **Modbus/Profibus/CanOpen/DeviceNet/Ethernet IP/Modbus TCP/IP.**
- Integrated Protection and Measurement with full functions
- Quick interface with PC/PLC
- Dedicated HMI-LTMCU
- Saves Engineering and Commissioning Time
- Reduces Process Downtime and Maintenance Cost

Description	Modbus Reference	Profibus Reference	Unit LP [₹]
0.4 to 8A	LTMR08M**	LTMR08P**	On Request
1.35 to 27A	LTMR27M**	LTMR27P**	On Request
5 to 100A	LTMR100M**	LTMR100P**	On Request

**Note:** Above 100 Amps external CT required.

Extention modules	LTMEV40**	On Request
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**Note:** For other communication protocols, please contact our nearest Sales Office.

### \*\* Coil Voltage Code

VOLTAGE	
24 DC	BD
110 VAC	FM

## TeSys U Starter-Controllers



- Total coordinated starter solution with 3 functions in 1 device
- Compact size for DOL/RDOL starter up to 15 kW, 32A (AC-3)
- Direct Connectivity to Modbus/Profibus/CanOpen/DeviceNet
- Complete current-based Protection and Measurement in 1 device
- High Operational Temperature (-40°C to +60°C)
- Wide range of Coil Voltages
- 50 kA Breaking Capacity
- Direct Connectivity to Modbus/Profibus/CanOpen/DeviceNet

Description	Rating at 440 V kW	Reference	Unit LP [₹]
<b>Power Bases for Non-Reversing D.O.L. Starter</b>			
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 [₹]
<b>Control Units</b>					
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

### \*\* Coil Voltage Code

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

(1) Voltage code to be used for a starter-controller with communication module.

(2) DC voltage with maximum ripple of ± 10 %.

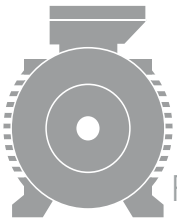
(3) DC: 48...72 V, AC: 48 V.

(4) DC: 110...220 V, AC: 110...240 V.

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. December 21, 2015



Flexible

Safety 



Smart

Connected



Protection



Compliant

Energy efficiency



Reliable



Let

Available



TeSys®



be your drive

TeSys range: TeSys GV, TeSys GK, TeSys GS, TeSys DF, TeSys K, TeSys D, TeSys F, TeSys B, TeSys LR, TeSys LT, TeSys T, TeSys Vario, TeSys U, TeSys LE, TeSys LG

### TeSys, innovative and intuitive solutions to protect, monitor and control

- > Suitable for motor and power applications
- > Best in class features
- > Adapts to any situation



To discover the TeSys range, connect on: [www.schneider-electric.com/tesys](http://www.schneider-electric.com/tesys)

# 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*	2420
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*	2710
2		10TDL	MS11AC11*	
3		10TDL	MS11AC13*	

### TDL, Automatic 3 Phase (0.05 - 125 HP)

0.05	0.16...0.25 A	5TDL	MS13AC01*	2315
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*	2400
0.75		5TDL	MS13AC08*	
1	1.6...2.5 A	5TDL	MS13AC09* ✓	2400
1.5		5TDL	MS13AC10*	
2	2.5...4 A	5TDL	MS13AC11* ✓	2400
3	4...6 A	5TDL	MS13AC12* ✓	
5	5.5...8 A	5TDL	MS13AC14* ✓	2680
7.5	9...13 A	10TDL	MS13AC15* ✓	
10	12...18 A	10TDL	MS13AC16* ✓	4540
12.5	16...24 A	15TDL	MS13AC17*	
15		15TDL	MS13AC18* ✓	
17.5	23...32 A	20TDL	MS13AC19*	7400
20		20TDL	MS13AC20*	
25	30...40 A	30TDL	MS13AC21*	11660
30	37...50 A	30TDL	MS13AC22*	
40	48...65 A	40TDL	MS13AC24*	15300
50	63...80 A	50TDL	MS13AC26*	17535
75	84...135 A	75TDL	MS13AC28*	27080
100	124...198 A	100TDL	MS13AC29*	35220
125		125TDL	MS13AC30*	40430

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

3	4...6 A	10TRS	MS13RJ12*	6600
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*	10815
15		20TRS	MS13RJ18*	
17.5	23...32 A	20TRS	MS13RJ19*	11405
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*	7875
10	7...10 A	15TSDA	MS23AI16* ✓	7875
12.5	9...13 A	15TSDA	MS23AI17*	7990
15		15TSDA	MS23AI18* ✓	7990
20	12...18 A	30TSDA	MS23AI20* ✓	9080
25	16...24 A	30TSDA	MS23AI21* ✓	10310
30	23...32 A	30TSDA	MS23AI22* ✓	11920
35		40TSDA	MS23AI23*	19130
40	30...38 A	40TSDA	MS23AI24*	21070
50	37...50 A	50TSDA	MS23AI26*	25580
60		75TSDA	MS23AI27*	44385
75	45...65 A	75TSDA	MS23AI28*	47390
100	62...99 A	100TSDA	MS23AI29*	61675
125	84...135 A	125TSDA	MS23AI30*	64050
150		150TSDA	MS23AI31*	79715
200	124...198 A	200TSDA	MS23AI32*	95795
250	174...279 A	250TSDA	MS23AI33*	120895
400	259...414 A	400TSDA	MS23AI34*	145090

### \*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	3470
0.8...1.2 A	0.37	LE1M35**06	3670
1.2...1.8 A	0.55	LE1M35**07	3855
1.8...2.6 A	0.75	LE1M35**08	
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	3855
8...11.5 A	4	LE1M35**16	4095
10...14 A	5.50	LE1M35**21	
12...16 A	7.50	LE1M35**22	

### \*\* Coil Voltage Code

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

Please contact Customer Care Center for Stockable and Non stockable status of references.

✓ NORMAL STOCK ITEMS

W.E.F. December 19, 2014

# Starters Spares

## Spare Parts

Description	Lot Order Quantity	Reference	Unit MRP [₹]
<b>For TDL, TRS &amp; TSD/A Starters</b>			
Pushbutton Actuator Assembly for 10/40/50/75/100/125 TDL	10	MSMC02	185
Pushbutton Switch Assembly for 10 TDL	10	MSMC03	380
Start Pushbutton Assembly for 40 - 400 TSDA	10	MSMI01	245
Stop Pushbutton Assembly for 40 - 400 TSDA	10	MSMI02	
9 Way Terminal Block for 15 TSDA	10	MSMI03	360
9 Way Terminal Block for 30 TSDA	10	MSMI04	
9 Way Terminal Block for 40 - 75 TSDA	10	MSMI05	875
Electronic Timer for 15 - 400 TSDA	10	MSMI06 <input checked="" type="checkbox"/>	1715
Pushbutton Actuator Assembly for 15/20/30 TDL, 10/20 TRS &15/30 TSDA	10	MSMK01	410

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

Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. December 21, 2015



# 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

# 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



# 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	Contactor
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	69	70	GV7RS80	48-80	LC1D80
45.0	81	70	GV7RS100	60-100	LC1D115
55.0	100	70	GV7RS150	90-150	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..

Life Is On

**Schneider**  
Electric

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