


📖 Price List

Power Control and Protection Products

With effect from December 19, 2014



Schneider
 Electric

Total leadership

> Innovative

> Reliable

> Simple

EasyPact TVS



TeSys Starter Solutions



Industrial Starters



TeSys T Motor Management System



K Contactors



TeSys U Compact Motor Starter



D Contactors



Switching and Control

★ More than 90 years of continuing innovation

F Contactors



Electronic Motor Protection Relays



Bar Contactors



LR Thermal Relays



Switches/ Fuse Disconnectors



GV7 Circuit Breakers



GV2 Circuit Breakers



GV3 Circuit Breakers



EasyPact TVS

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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



EasyPact TVS Adds the 4th Dimension...



ETVS 4Pole Contactor



Power Continuity

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"/>	840
				1	-	LC1E0610* <input checked="" type="checkbox"/>	840
25 A	9 A	5.5	4	-	1	LC1E0901* <input checked="" type="checkbox"/>	855
				1	-	LC1E0910* <input checked="" type="checkbox"/>	855
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"/>	1100
				1	-	LC1E1810* <input checked="" type="checkbox"/>	1100
36A	25 A	15	11	-	1	LC1E2501* <input checked="" type="checkbox"/>	1515
				1	-	LC1E2510* <input checked="" type="checkbox"/>	1515
50 A	32 A	20	15	-	1	LC1E3201* <input checked="" type="checkbox"/>	3090
				1	-	LC1E3210* <input checked="" type="checkbox"/>	3090
50 A	38 A	25	18.5	-	1	LC1E3801* <input checked="" type="checkbox"/>	3875
				1	-	LC1E3810* <input checked="" type="checkbox"/>	3875
60 A	40 A	29	22	1	1	LC1E40* <input checked="" type="checkbox"/>	4925
70 A	50 A	34	25/30	1	1	LC1E50*	6120
80 A	65 A	50	37	1	1	LC1E65* <input checked="" type="checkbox"/>	8245
110A	80 A	60	45	1	1	LC1E80* <input checked="" type="checkbox"/>	10290
120 A	95 A	60	45	1	1	LC1E95* <input checked="" type="checkbox"/>	11930
150 A	120 A	75	55	1	1	LC1E120*	15080
200 A	160 A	120	90	1	1	LC1E160*	19815
250 A	200 A	150	110	-	-	LC1E200*	27860
300 A	250A	175	132	-	-	LC1E250*	33015
320 A	300 A	215	160	-	-	LC1E300*	39525
500 A	400	295	220	-	-	LC1E400	49285
700 A	500	375	280	-	-	LC1E500	69420
1000 A	630	500	375	-	-	LC1E630	98565

While ordering a contactor, please specify reference and coil voltage

* VOLTAGE	24	110	220	240	415
Standard contactor	B5	F5	M5	U5	N5
Wide band coil contactor	-	-	M5WB	-	N5WB

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

Please add ₹ 100/- while ordering Contactors with Non Standard Voltages.

Please add ₹ 100/- for wide band coil contactor from 9A to 18A (65% Uc 120%) & ₹ 100/- for 25A to 38A (70% Uc 120%)

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

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

Power Contactores LC1E(4 Pole AC Control)

- 4 Pole contactors from 16 to 125AAC-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_c
- 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*	1055	2NO + 2NC	LC1E06008*	1170
20	4NO	LC1E09004*	1080	2NO + 2NC	LC1E09008*	1230
25	4NO	LC1E12004*	1190	2NO + 2NC	LC1E12008*	1350
32	4NO	LC1E18004*	1250	2NO + 2NC	LC1E18008*	1490
40	4NO	LC1E25004*	1980	2NO + 2NC	LC1E25008*	2450
45	4NO	LC1E32004*	3300	2NO + 2NC	LC1E32008*	3800
50	4NO	LC1E38004*	3900	2NO + 2NC	LC1E38008*	4800
60	4NO	LC1E40004*	6150	2NO + 2NC	LC1E40008*	7400
80	4NO	LC1E65004*	8350	2NO + 2NC	LC1E65008*	8850
100	4NO	LC1E80004*	10400	2NO + 2NC	LC1E80008*	13100
125	4NO	LC1E95004*	12050	2NO + 2NC	LC1E95008*	15700

* Reference to be completed by adding coil voltage code

Control Relays CAE

Auxiliary Contacts		Reference	Unit MRP [₹]
NO	NC		
4	0	CAE40*	905
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 ₹100 while ordering non-standard voltages

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

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

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 [₹]	
LRE				
0.1...0.16 A	E06...E38	LRE01	1265	
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 <input checked="" type="checkbox"/>		
1...1.6 A	E06...E38	LRE06 <input checked="" type="checkbox"/>		
1.6...2.5 A	E06...E38	LRE07 <input checked="" type="checkbox"/>		
2.5...4 A	E06...E38	LRE08 <input checked="" type="checkbox"/>		
4...6 A	E06...E38	LRE10 <input checked="" type="checkbox"/>		
5.5...8 A	E09...E38	LRE12 <input checked="" type="checkbox"/>		
7...10 A	E09...E38	LRE14 <input checked="" type="checkbox"/>		
9...13 A	E12...E38	LRE16 <input checked="" type="checkbox"/>		
12...18 A	E18...E38	LRE21 <input checked="" type="checkbox"/>		1490
16...24 A	E25...E38	LRE22 <input checked="" type="checkbox"/>		1715
23...32 A	E25...E38	LRE32 <input checked="" type="checkbox"/>		2260
30...38 A	E38	LRE35 <input checked="" type="checkbox"/>		2720
17...25 A	E40...E95	LRE322	2750	
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		
55...70 A	E80...E95	LRE361		
63...80 A	E80...E95	LRE363		
80...104 A	E95	LRE365		
51...81 A	E120...E300	LRE480		
62...99 A	E120...E300	LRE481		
84...135 A	E120...E300	LRE482	8150	
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		
321...513 A	E500	LRE488		
394...630 A	E630	LRE489		
8895				
10145				
11450				

Note: For separate mounting block, for LRE

- For LRE01...LRE35 – terminal block for clip-on Mounting LAEB1 Unit MRP: ₹ 470
- For LRE322...LRE365 – terminal block for clip-on Mounting LAEB3 Unit MRP: ₹ 1400

Accessories

For Use With Type LC1E	Control Circuit Voltage	Mounting	Reference	Unit MRP [₹]
Add-on Blocks and Star Delta Timer Blocks				
LC1E06...E300 LC1E0600*...LC1E9500*		Front	LAEN11 <input checked="" type="checkbox"/>	240
			LAEN20 <input checked="" type="checkbox"/>	
			LAEN02 <input checked="" type="checkbox"/>	
			LAEN22 <input checked="" type="checkbox"/>	
			LAEN40 <input checked="" type="checkbox"/>	420
LC1E25...E300 LC1E2500*...LC1E9500*			LAETSD <input checked="" type="checkbox"/>	1910

Accessories

For Use with Type LC1E	Control Circuit Voltage	Reference	Unit MRP [₹]
Surge Suppressors (3 and 4 pole)			
LC1E06...E95	24..48 V AC	LAERCE	680
LC1E06...E95	50..127 V AC	LAERCG	
LC1E06...E95	110..240 V AC	LAERCU	
LC1E06...E95	380..415 V AC	LAERCN	
Mechanical Interlock Blocks (3 and 4 pole)			
LC1E06...E65 & LC1E0600*...E3800*		LAEM1	435
LC1E80/E95 & LC1E4000*...LC1E9500*		LAEM4	1460
LC1E120...E160		LAEM5	2735
LC1E200/E250		LAEM6	2785
LC1E300		LAEM7	3540

Spare Coils

Contactor	Reference	Unit MRP [₹]
CAE, LC1E06...E18	LAEX1**	695
LC1E25	LAEX12**	
LC1E32/E38	LAEX2**	855
LC1E40/E65	LAEX3**	1270
LC1E80/E95	LAEX4**	1595
LC1E120/E160	LAEX5**	1780
LC1E200/E250	LAEX6**	2490
LC1E300	LAEX7**	2710

**CODE	F5	M5	N5
VOLTAGE	110	220	415

Note: Please add ₹ 100/- while ordering coil with Non Standard Voltages.

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	Motor Power AC3** KW hP	Thermal Protection Adjustment Range	Reference	Unit MRP [₹]	
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
	0.37	0.5	0.63 - 1.0	GZ1E05	2755
	0.55	0.75	1.0 - 1.6	GZ1E06	
	0.75	1	1.6 - 2.5	GZ1E07	2765
	1.1	2	2.5 - 4	GZ1E08	
	2.2	3	4 - 6.3	GZ1E10	2860
	3	5.5	6 - 10	GZ1E14	2960
5.5	7.5	9 - 14	GZ1E16	3335	
7.5	10	13 - 18	GZ1E20	3585	
10 kA	9	12.5	17 - 23	GZ1E21	3960
	11	15	20 - 25	GZ1E22	4165
	15	20	24 - 32	GZ1E32	7555

Accessories for Motor Protection Circuit Breaker

Description	Reference	Unit MRP [₹]	
Side Contact	NO+NC	GZ1AN11	730
	NO+NO	GZ1AN20	875

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NORMAL STOCK ITEMS

W.E.F. December 19, 2014

Safety

Protection

Energy efficiency

Reliable

Available

Schneider Electric

Let TeSys

be your drive

TeSys

Innovative and intuitive solutions to protect, monitor and control

- Suitable for motor and power applications
- The best in class features you need for protection and safety
- All kind of solutions from the most universal to the most advanced
- Multi-standard products (IEC/UL/CSA/CCC) available worldwide
- Products to make installation easier and increase service continuity



To discover the Tesys range, connect on:
www.schneider-electric.com/tesys.com



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 MRP [₹]	DC Control Reference	Unit MRP [₹]	DC low consumption Reference ^{(1) (2) (3)}	Unit MRP [₹]
2NO + 2NC	CA2KN22*	1115	CA3KN22**	1485	CA4KN22***	1730
3NO + 1NC	CA2KN31*		CA3KN31**		CA4KN31***	
4NO + 0NC	CA2KN40*		CA3KN40**		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 MRP [₹]	DC Control Reference	Unit MRP [₹]
6	3	1 NC	LC1K0601*	935	LP1K0601**	1380
		1 NO	LC1K0610*		LP1K0610**	
9	5.5	1 NC	LC1K0901*	990	LP1K0901**	1470
		1 NO	LC1K0910*		LP1K0910**	
12	7.5	1 NC	LC1K1201*	1100	LP1K1201**	1710
		1 NO	LC1K1210*		LP1K1210**	
16	10	1 NC	LC1K1601*	1280	-	-
		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 MRP [₹]
6	3	1 NC	LC2K0601*	2820
		1 NO	LC2K0610*	
9	5.5	1 NC	LC2K0901*	2975
		1 NO	LC2K0910*	
12	7.5	1 NC	LC2K1201*	3070
		1 NO	LC2K1210*	
16	10	1 NC	LC2K1601*	3435
		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 ₹ 175/- to the unit MRP 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 19, 2014

Accessories - K Model

Description	Contacts	Reference	Unit MRP [₹]
Add On Blocks			
Control Relays/Contactors			
Auxiliary contact block TeSys	0 NO + 2 NC	LA1KN02	300
	1 NO + 1 NC	LA1KN11 <input checked="" type="checkbox"/>	
	2 NO + 0 NC	LA1KN20	
	0 NO + 4 NC	LA1KN04	475
	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 ⁽¹⁾	1590
On Delay Electronic timers - 110...240 V AC, 1...30 s		LA2KT2UA ⁽¹⁾	
Suppressor module - RC circuit - 220..250 V AC		LA4KA1U*	480
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 MRP [₹]
0.11...0.16 A	LC1K, LP1K, LP4K, LP2K, LC2K	LR2K0301	1450
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 MRP ₹ 515/-

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 MRP [₹]	DC Control Reference ⁽²⁾	Unit MRP [₹]	DC low consumption Reference ^{(1) (2) (3)}	Unit MRP [₹]
3NO+2NC	CAD32*	1125	CAD32**	1685	CAD32***	2005
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 mounted additionally

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 ⁽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"/>	1165	LC1D09** <input checked="" type="checkbox"/>	1730
	5.5	7.5	12	9	12.5	18	1 NO + 1 NC	LC1D12* <input checked="" type="checkbox"/>	1290	LC1D12** <input checked="" type="checkbox"/>	1865
32	9	12.5	18	11	15	25	1 NO + 1 NC	LC1D18* <input checked="" type="checkbox"/>	1445	LC1D18** <input checked="" type="checkbox"/>	2430
40	11	15	25	15	20	32	1 NO + 1 NC	LC1D25* <input checked="" type="checkbox"/>	1850	LC1D25** <input checked="" type="checkbox"/>	3030
50	15	20	32	22	30	40	1 NO + 1 NC	LC1D32* <input checked="" type="checkbox"/>	3790	LC1D32** <input checked="" type="checkbox"/>	6500
	18.5	25	38	-	-	-	1 NO + 1 NC	LC1D38* <input checked="" type="checkbox"/>	5545	LC1D38** <input checked="" type="checkbox"/>	7515
60	22	30	40	-	-	-	1 NO + 1 NC	LC1D40A* <input checked="" type="checkbox"/>	5850	LC1D40A**	7805
80	25	35	50	-	-	-	1 NO + 1 NC	LC1D50A* <input checked="" type="checkbox"/>	6880	LC1D50A**	10290
80	37	50	65	-	-	-	1 NO + 1 NC	LC1D65A* <input checked="" type="checkbox"/>	9625	LC1D65A**	12180
125	45	60	80	55	75	105	1 NO + 1 NC	LC1D80* <input checked="" type="checkbox"/>	12230	LC1D80**	14745
	45	60	95	55	75	110	1 NO + 1 NC	LC1D95* <input checked="" type="checkbox"/>	14765	LC1D95**	18150
250	59	80	115	-	-	-	1 NO + 1 NC	LC1D1156* <input checked="" type="checkbox"/>	17800	LC1D1156**	18470
	80	110	150	-	-	-	1 NO + 1 NC	LC1D1506* <input checked="" type="checkbox"/>	23450	LC1D1506**	24260

(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 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"/>	2235
	5.5	7.5	12	9	12.5	18	1 NO + 1 NC	LC1D12**** <input checked="" type="checkbox"/>	2330
32	9	12.5	18	11	15	25	1 NO + 1 NC	LC1D18**** <input checked="" type="checkbox"/>	2700
40	11	15	25	15	20	32	1 NO + 1 NC	LC1D25**** <input checked="" type="checkbox"/>	4595
50	15	20	32	22	30	40	1 NO + 1 NC	LC1D32**** <input checked="" type="checkbox"/>	7645

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 ₹ 175/- to the unit MRP of the Standard Contactor for the same rating.

For additional auxiliary block, timers & other accessories, please see page 9 and page 10

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

NORMAL STOCK ITEMS

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



- Conformity to International Standards – IEC, UL, CSA, CE
- 20A to 250AAC1 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**	1880
	2NO+2NC	-	-	LC1D098**	2210
25	4NO	-	-	LC1DT25**	2395
	2NO+2NC	-	-	LC1D128**	3165
32	4NO	-	-	LC1DT32**	2845
	2NO+2NC	-	-	LC1D188**	3710
40	4NO	-	-	LC1DT40**	4470
	2NO+2NC	-	-	LC1D258**	5885
60	4NO	-	-	LC1DT60A**	9395
	2NO+2NC	-	-	LP1D40008**	11100
80	4NO	-	-	LC1DT80A**	13155
	2NO+2NC	-	-	LP1D65008**	15850
125	4NO	-	-	LP1D80004**	17510
	2NO+2NC	-	-	LP1D80008**	19780
250	4NO	LC1D1150046**	23750	LC1D1150046**	24605

Coil Voltage Code

	VOLTAGE			
	24	110	220	415
LC1D115 50Hz	-	F5	M5	N5
DC** 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 ₹ 175/- to the unit MRP 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 [₹]
LC1-D•K - with Damping Resistors & Block of Early Make poles			
12.5 kVar	1 NO + 1 NC	LC1DFK11*	2475
16.7 kVar	1 NO + 1 NC	LC1DGK11*C	3505
20 kVar	1 NO + 1 NC	LC1DLK11*	4080
25 kVar	1 NO + 1 NC	LC1DMK11*C	4540
33.3 kVar	1 NO + 2 NC	LC1DPK*C	9670
40 kVar	1 NO + 2 NC	LC1DTK*C	13430
60 kVar	1 NO + 2 NC	LC1DWK*C	15425

* Coil Voltage Code

VOLTAGE	110	220
LC1DPK ...DWK 50HZ	F7	M7

Note: For ordering contactors with other coil voltages & frequencies, please add ₹ 175/- to the unit MRP 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 19, 2014

Accessories - For D Model Contactors

Description		Contacts	Reference	Unit MRP [₹]	
Add On Blocks					
Additional instantaneous auxiliary contact blocks	Front Mounted	1 NO	LADN10*	175	
		1 NC	LADN01*		
		1 NO+1NC	LADN11 ✓	330	
		2 NO	LADN20 ✓		
		2 NC	LADN02		
	Side Mounted ⁽¹⁾	2 NO+2NC	LADN22 ✓	555	
		4 NC	LADN04		
		4 NO	LADN40 ✓	555	
		1 NO+3NC	LADN13		
		3 NO+1NC	LADN31 ✓		
Pneumatic timer blocks front mounted	ON delay	1 NO+1NC 0.1..3s	LADT0	2030	
		1 NO+1NC 0.1..30s	LADT2		
		1 NO+1NC 10..180s	LADT4		
		1 NO+1NC 1..30s ⁽²⁾	LADS2 ✓	2170	
	OFF delay	1 NO+1NC 0.1 ..3s	LADR0		2030
		1 NO+1NC 0.1 ..30s	LADR2 ✓		
		1 NO+1NC 10..180s	LADR4		
	Set of shins to be used with 4 pole contactors			LA9D511	795

(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 MRP [₹]
On delay timer ⁽¹⁾⁽²⁾	15...30 s	On delay	LA4DT2U	2445
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	2255

(1) For LC1 D09...38A (3P, AC coils only) add mounting adaptor LAD4BB - MRP ₹ 460/- and for LC1 D40A...65A (3P, AC coils only), add mounting adaptor LAD4BB3 - MRP ₹ 430/-.

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

Mounting Location	For Use With Contactor	Reference	Unit MRP [₹]
For D Model Mechanical Latch Blocks			
Front, Clip-on	LC1 D09...D38 (~ or ---) LC1 DT20...DT40 (~ or ---) LC1 D40A...D65A (3P ~ or ---) LC1DT60A AND DT80A (4P ~ or ---)	LAD6K10*	2945
	LC1 D80...D150 (3P ~) LC1 D80 AND D115 (3 P ---) LC1 D80 (4 P ~) LC1 D80 AND D115 (4 P ~) LP1 D80 AND LC1 D115 (4 P ---)	LA6DK20*	3080

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

Note: For ordering Mechanical Latch Block with other coil voltages, please add Rs. 175/- to the unit MRP 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

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Accessories - D Model

For use with contactor	Reference	Unit MRP [₹]
Mechanical interlock		
LC1D09..D38 , LC1DT20..DT40	LAD9V2 ⁽¹⁾	460
LP1D 40..65, LC1D80..95	LA9D4002	2040
LP1D 80	LA9D8002	3080
LC1D115.. 150	LA9D11502	3115
Ready made reversing kit		
LC1D09..D38	LAD9R1 ⁽²⁾	655
	LAD9R1V ⁽³⁾	910

(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 MRP [₹]
For Contactors (D40A, 50A, 65A , DT60A & DT80A)			
Mechanical Interlock	Clip - On	LAD4CM	930
Varistor (24...48 V)		LAD4V3E	790
Varistor (110...240 V)		LAD4V3U	
RDOL kit		LAD9R3	2120
RC circuit (110...240 V)	Clip - On	LAD4RC3U	460

Spare coils D model

Product Compatibility	Reference	Unit MRP [₹]
AC Coils		
CAD, LC1-D09...D38, DT20..40	LXD1*	750
LC1D40A, D50A, D65A & LC1DT60A, DT80A	LXD3*	2040
D80 & D95 (3P & 4P)	LX1D6*	2160
LC1 - D115	LX1D8*	3345
LC1-D150	LX1D8*	4175
DC Coils		
LC1-D80-D95	LX4D7**	6430
LC1-D115, D150	LX4D8**	7075

Note: For ordering coils with other voltages and frequencies, please add ₹ 175/- to the unit MRP 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	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 MRP [₹]
For Contactor D115/150			
Arc chamber - 3P	LC1D1156	LA5D11550	3665
Arc chamber - 3P	LC1D1506	LA5D15050	3665
Contacts set - 3P	LC1D1156	LA5D1158031	9685
Contacts set - 3P	LC1D1506	LA5D150803	10040
Contacts set - 4P	LC1D1150046	LA5D115804	13360

Product Compatibility	Fixing	Control Circuit Voltage	Suppressor Type	Reference	Unit MRP [₹]
Coil Suppressor Modules					
LC1-D12...D25 (4P)	Clip-on	24...48 V AC	RC Circuit AC	LA4DA1E	740
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	715
LC1D09...D38, LC2D09...D38, LC1DT20...DT40, LC2DT20...DT40 (3P)		24...48 V AC	Varistor AC/DC	LAD4VE	
		24...48 V AC 400 Hz	RC Circuit AC	LAD4RCE	
		50...127 V AC 200 Hz	RC Circuit AC	LAD4RCG	645
		110...240 V AC 100 Hz	RC Circuit AC	LAD4RCU <input checked="" type="checkbox"/>	715
		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	740
LC1D80...D115, LC2D80...D115 (3P) LC1D80...D115, LC2D80...D115 (4P)		24...48 V AC	Varistor AC/DC	LA4DE2E	705
		110...250 V AC	Varistor AC/DC	LA4DE2U	
		24...48 V AC 400 Hz	RC Circuit AC	LA4DA2E	
LC1D80...D150, LC2D80...D150 (3P) LC1D4008, LC1D65008, LC1D115, LC2D40...D115 (4P)		50...127 V AC 200 Hz	RC Circuit AC	LA4DA2G	1125
		110...240 V AC 100 Hz	RC Circuit AC	LA4DA2U	740
		380...415 V AC 150 Hz	RC Circuit AC	LA4DA2N	1125
		24...48 V DC	Varistor AC/DC	LA4DE3E	740
LC1D80...D95, LC2D80...D95, (3P) LC1D80, 4 poles LC2D80 (4P)		110...250 V DC	Varistor AC/DC	LA4DE3U	705

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

NORMAL STOCK ITEMS

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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
- Higher operating temperature up to 55°C
- Tripping class selectable on product
- Manual & auto reset is possible

Thermal Protection Adjustment Range	For Use With	Reference*	Unit MRP [₹]
LR-D Model (Direct Mounting)			
0.1...0.16 A	GV2L03, LE03, LC1D09...LC1D38	LRD01	1575
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		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	
23...32 A	LC1D25...LC1D38, LC1D32	LRD32 <input checked="" type="checkbox"/>	2855
30...38 A	LC1D32, LC1D38	LRD35	3155
23...32 A	LC1D40A...D65A	LRD332	
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"/>	3880
48...65 A	LC1D80...LC1D95	LRD3357	4085
48...65 A	LC1D40A...D65A	LRD365	5010
48...65 A	LC1D80...LC1D95	LRD3359	
63...80 A	LC1D65...LC1D95	LRD3363	5470
80...104 A	LC1D80, LC1D95	LRD3365	6845

Note:

- *For LRD01...LRD35 - Terminal Block for clip-on Mounting LAD7B106 Unit MRP: ₹ 480/-
- *For LRD33** - Terminal Block for clip-on Mounting LA7D3064 Unit MRP: ₹ 1440/-
- For LRD332, LRD340, LRD350 & LRD365 - Connection block for separate mounting LAD96560 Unit MRP: ₹ 1315/-
- 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.

Thermal Protection Adjustment Range	For Use With	Reference	Unit MRP [₹]
LR97D Electronic Motor Protection Relay			
0.3...1.5 A	LC1D09...D38	LR97D015**	5530
1.2...7 A	LC1D09...D38	LR97D07**	
5...25 A	LC1D09...D38	LR97D25**	
20...38 A	LC1D09...D38	LR97D38**	8445
LT47 Electronic Motor Protection Relay			
0.5...6 A		LT4706**#	5910
3...30 A		LT4730**#	
5...60 A		LT4760**#	

** Coil Voltage Code

VOLTAGE	24 V AC/DC	48 V AC/DC	110 V AC	220 V AC
Code	B	E	F7	M7

- # S - Manual/Electric Reset
- # A - Automatic Reset

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

NORMAL STOCK ITEMS

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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

[le] Rated Operational Current AC1	Motor Power (Long Life) AC3 kW	hP	A	Motor Power (Normal Life) AC3 kW	hP	A	Reference	Unit MRP [₹]
200	59	80	115	80	110	150	LC1F115 ✓	14895
250	80	110	150	100	135	185	LC1F150 ✓	20820
275	100	135	185	110	150	205	LC1F185 ✓	23965
315	110	150	225	140	190	265	LC1F225 ✓	26635
350	140	190	265	160	220	300	LC1F265 ✓	31610
400	180	245	330	220	300	400	LC1F330 ✓	37595
500	220	300	400	250	340	450	LC1F400 ✓	43415
700	280	380	500	375	500	630	LC1F500 ✓	60275
1000	375	500	630	450	610	800	LC1F630	108415
1000	450	610	800	-	-	-	LC1F800	167400

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 13
- 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

[le] Rated Operational Current AC1	Power Pole Composition	Reference	Unit MRP [₹]
200 A	4 NO	LC1F1154	24380
250 A	4 NO	LC1F1504	29655
275 A	4 NO	LC1F1854	36980
315 A	4 NO	LC1F2254	43635
350 A	4 NO	LC1F2654	48745
400 A	4 NO	LC1F3304	57935
500 A	2 NO	LC1F4002	41070
500 A	4 NO	LC1F4004	68340
700 A	2 NO	LC1F5002	60440
700 A	4 NO	LC1F5004	99795
1000 A	2 NO	LC1F6302	98145
1000 A	4 NO	LC1F6304	148050
1600 A	4 NO	LC1F7804	309545

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 MRP [₹]	DC Coil Reference (2)	Unit MRP [₹]
LC1F115, LC1F150	LX1FF*	2995	LX4FF**	7260
LC1F185, LC1F225	LX1FG*	4270	LX4FG**	9525
LC1F265, LC1F330	LX1FH*	5365	LX4FH**	11875
LC1F400	LX1FJ*	11360	LX4FJ**	18240
LC1F500	LX1FK*	13395	LX4FK**	18940
LC1F630	LX1FL*	15190	LX4FL**	19640
LC1F780	LX1FX* (3)	33240	LX4FX** (3)	34915
LC1F800	(1)	-	LX4F8**	25105

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 ₹ 175/- to the unit MRP of the respective standard coil.

Please replace (*) with the Corresponding Control Voltage.

- (1) Use rectifier with required DC coil (Ref: DR5TE4U) MRP ₹ 7825/-
- (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

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Vacuum Contactors (3 Pole AC Control)

[Ie] Rated Operational Current		Motor Power		Auxiliary Contacts	Reference	Unit MRP [₹]
AC1	AC3	kW	hP			
160 A	160 A	75	100	2 NO + 1 NC	LC1V160*	85095
320 A	320 A	160	213	1 NO + 1 NC	LC1V320*	114265
630 A	610 A	300	400	1 NO + 1 NC	LC1V610*	204955

* 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 [₹]
Add On Blocks			
Additional instantaneous auxiliary contact blocks	1 NO	LADN10*	175
	1 NC	LADN01*	
	1 NO+1NC	LADN11 <input checked="" type="checkbox"/>	330
	2 NO	LADN20 <input checked="" type="checkbox"/>	
	2 NC	LADN02	555
	2 NO+2NC	LADN22 <input checked="" type="checkbox"/>	
	4 NC	LADN04	555
	4 NO	LADN40 <input checked="" type="checkbox"/>	
	1 NO+3NC	LADN13	815
	3 NO+1NC	LADN31 <input checked="" type="checkbox"/>	
Pneumatic timer blocks front mounted	1 NO+1NC	LAD8N11	815
	2 NO	LAD8N20	
	1 NO+1NC 0.1..3s	LADT0	2030
	1 NO+1NC 0.1..30s	LADT2	
	1 NO+1NC 10..180s	LADT4	2170
	1 NO+1NC 1..30s ⁽²⁾	LADS2 <input checked="" type="checkbox"/>	
	1 NO+1NC 0.1 ..3s	LADR0	2030
	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 MRP [₹]
Mechanical Interlocks ⁽¹⁾ - Horizontally Mounted		
LC1F115, LC1F150, LC1F1154, LC1F1504	LA9FF970	2690
LC1F185, LC1F1854, LC1F225, LC1F2254	LA9FG970	3115
LC1F265, LC1F330, LC1F400, LC1F500, LC1F2654, LC1F3304, LC1F4004, LC1F5004	LA9FJ970	3495
LC1F630, LC1F6304, LC1F800	LA9FL970	3880

(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"/>	14320
LC1F185, LC1F225	LA5FG431	20705
LC1F265	LA5FH431	27275
LC1F330, LC1F400	LA5F400803	33070
LC1F500	LA5F500803	42545
LC1F630	LA5F630803	67670
LC1F800	LA5F800803	84980

* 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 MRP [₹]
Suppressor Blocks				
suppressor module clip on	All AC ratings	LA4FRCF	LA4FRCP	3460
suppressor bracket	For all LA4F	LA9D09981		370

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 ⁽²⁾	Unit MRP [₹]
LC1F115, LC1F150	LX1FF*	2995	LX4FF**	7260
LC1F185, LC1F225	LX1FG*	4270	LX4FG**	9525
LC1F265, LC1F330	LX1FH*	5365	LX4FH**	11875
LC1F400	LX1FJ*	11360	LX4FJ**	18240
LC1F500	LX1FK*	13395	LX4FK**	18940
LC1F630	LX1FL*	15190	LX4FL**	19640
LC1F780	LX1FX* ⁽³⁾	33240	LX4FX** ⁽³⁾	34915
LC1F800	⁽¹⁾	-	LX4F8**	25105

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) MRP ₹ 7825/-

(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 ₹ 175/- to the unit MRP of the respective standard coil.

Product compatibility	110V Reference	220/230V Reference	415/440V Reference	Unit MRP [₹]
Hoisting Applications - AC Coils				
LC1F265, LC1F330	LX9FH1102	LX9FH2202	-	14220
LC1F400	LX9FJ925	LX9FJ931	LX9FJ937	17565
LC1F500	LX9FK925	LX9FK931	LX9FK937	20485
LC1F630	LX9FL924	LX9FL931	LX9FL936	21580

Note: Rectifier is a must with the coil. Ref no. DR5TE4U for 110..230V & DR5TE4S* for 415..440V , MRP ₹ 7825/- needs to be added extra with coil.

Product compatibility	48V Reference	110V Reference	220V Reference	440/460 V Reference	Unit MRP [₹]
Hoisting Applications - DC Coils					
LC1F400	LX9FJ918	LX9FJ926	LX9FJ932	LX9FJ938	20065
LC1F500	LX9FK918	LX9FK926	LX9FK932	LX9FK938	21460
LC1F630	LX9FL918	LX9FL926	LX9FL931	LX9FL937	21580

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**

Contactor	110 V Reference	220 V Reference	440/460 V Reference	Unit MRP [₹]
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Economy Resistor

- To be used with hoisting application DC coil

LC1F400	1 x DR2SC0047	1 x DR2SC1200	1 x DR2SC4700	2700
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 MRP [₹]
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LR9-F Electronic Protection Relays

90...150 A	LR9F5369 <input checked="" type="checkbox"/>	9050
132...220 A	LR9F5371	10990
200...330 A	LR9F7375	11160
300...500 A	LR9F7379	14460
380...630 A	LR9F7381	15510

Accessories

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

Mounting plate LA7F		LR9-F5369, LR9-F5371	LA7F901	2530
		LR9-F7375, LR9-F7379, LR9-F7381	LA7F902	3410

Connection Accessories

	LC1F115	LR9-F5369	LA7F401	1705
	LC1F225/265	LR9-F5371	LA7F403	2465
LA7F busbar	LC1F225-400	LR9-F7375, LR9-F7379, LR9-F7381	LA7F404	2630
	LC1F500	LR9F7381	LA7F405	3115
	LC1F630/800	LR9-F7381	LA7F406	3330

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

NORMAL STOCK ITEMS

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Now, think Linergy !



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

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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

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** kW hP	Thermal Protection Adjustment Range	Reference	Unit MRP [₹]
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GV2-M Model Thermal Magnetic - With Pushbutton Control (Economy)

100 kA	-	0.1 - 0.16	GV2ME01	2950
	0.06	0.16 - 0.25	GV2ME02	
	0.09	0.25 - 0.40	GV2ME03	
	0.18	0.40 - 0.63	GV2ME04	
	0.37	0.63 - 1.0	GV2ME05	3425
	0.55	1.0 - 1.6	GV2ME06	3440
	0.75	1.6 - 2.5	GV2ME07	
	1.1	2.5 - 4	GV2ME08	
2.2	4 - 6.3	GV2ME10		
15 kA ⁽¹⁾	3	6 - 10	GV2ME14	3560
	5.5	9 - 14	GV2ME16	4105
	7.5	13 - 18	GV2ME20	4485
	9	17 - 23	GV2ME21	4845
	11	20 - 25	GV2ME22	4865
	15	24 - 32	GV2ME32	7920

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	
	0.37	0.63 - 1.0	GV2P05	3915
	0.55	1.0 - 1.6	GV2P06	4060
	0.75	1.6 - 2.5	GV2P07	
	1.1	2.5 - 4	GV2P08	
2.2	4 - 6.3	GV2P10		
50 kA ⁽²⁾	3	6 - 10	GV2P14	4375
	5.5	9 - 14	GV2P16	4960
	7.5	13 - 18	GV2P20	6045
	9	17 - 23	GV2P21	
	11	20 - 25	GV2P22	
	15	24 - 32	GV2P32	

GV3-P Range Thermal Magnetic - With Rotary Handle Control

50 kA	18.5	30...40 A	GV3P40	11505
	22	37...50 A	GV3P50	13900
	30	48...65 A	GV3P65	14710

GV3-M Range Thermal Magnetic - Pushbutton Control

15 kA	37	56...80 A	GV3ME80	13170
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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** kW hP	Magnetic Protection Rating (A)	Reference	Unit MRP [₹]
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GV2-LE Model Magnetic - With Rocker Lever Control (Economy) *

100 kA	0.09	-	0.4	GV2LE03	2980
	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	3415
	7.5	10	18	GV2LE20	
	11	15	25	GV2LE22	
10 kA	15	20	32	GV2LE32	5870

GV2-L Model Magnetic - With Rotary Handle Control *

100 kA	0.09	-	0.4	GV2L03	3935
	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	10025
	7.5	10	18	GV2L20	
	11	15	25	GV2L22	

GV3-L Range Magnetic - With Rotary Handle Control

50 kA	18.5	40	GV3L40	9495
	22	50	GV3L50	9700
	30	65	GV3L65	10025

GK3 Range Optimal Magnetic - With Rotary Handle Control *

35 kA	37	80	GK3EF80	10130
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* 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 MRP [₹]
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GV7-R Range Thermal Magnetic (220A, AC3)

36 kA	45	60 - 100	GV7RE100	18660
	75	90 - 150	GV7RE150	25615
35 kA	110	132 - 220	GV7RE220	31485
	18.5	25 - 40	GV7RS40	20185
70 kA	22	30 - 50	GV7RS50	20185
	37	48 - 80	GV7RS80	21600
	45	60 - 100	GV7RS100	21600
	75	90 - 150	GV7RS150	29025
	110	132 - 220	GV7RS220	35595

* Conforming to IEC 947-2 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 MRP [₹]	
For GV2			
Front contact NO or NC ⁽¹⁾	GVAE1	585	
Front contact NO + NC	GVAE11 <input checked="" type="checkbox"/>	790	
	GVAE20		
Side contact NO + NC	GVAE11 <input checked="" type="checkbox"/>	870	
	GVAE20	870	
Fault signalling contact +1 NO contact ⁽²⁾	GVAD1010 <input checked="" type="checkbox"/>	1125	
Fault signalling contact +1 NC contact ⁽²⁾	GVAD1001	1125	
Short circuit signalling contact block 1 C/O	GVAM11	1080	
Undervoltage trip :	110 ... 115V 50Hz	GVAU115	2080
	220 ... 240V 50Hz	GVAU225	2080
	380 ... 400V 50Hz	GVAU385	2080
Shunt trip :	110 ... 115V 50Hz	GVAU115	2080
	220 ... 240V 50Hz	GVAU225	2080
	380 ... 400V 50Hz	GVAU385	2080
Additive limiter for increasing breaking capacity to 100kA for GV2ME and GV2P.	GV1L3	3355	
Connection block - GV2 with contactor LC1-D09..D38	GV2AF3	400	
Connection block - LS1 D32 or GV2 with contactor LC1-K or LP1-K	GV2AF01	425	
Empty enclosure for GV2ME - plastic	GV2MP02	1500	
	GV2MC02	1645	

(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 MRP [₹]
For GV2 Breakers			
45 mm	2	GV2G245	880
	4	GV2G445	1390
54 mm	2	GV2G254	1030
	3	GV2G354	1170
	4	GV2G454	1470
72 mm	5	GV2G554	1585
	2	GV2G272	1290
	4	GV2G472	1785

Description	Reference	Unit MRP [₹]
Accessories for Busbars		
Terminal block - to supply one or more 3-pole busbar GV2	GV2G05	2240
Protective end covers for unused busbar outlets	GV1G10	385
Terminal block for connection from top	GV1G09	1180

Accessories for Motor Circuit Breakers

Description	Reference	Unit MRP [₹]
For GV3-M		
Auxiliary contact - 1 NO + 1 NC early-break	GV3A01	950
Auxiliary contact - 2 NO early-break	GV3A02	
Under voltage release - 110 V AC 50Hz	GV3B11	3255
Under voltage release - 220 V AC 50Hz	GV3B22	
Under voltage release - 380 V AC 50Hz	GV3B38	
Shunt release - 110 V AC 50Hz	GV3D11	3255
Shunt release - 220 V AC 50Hz	GV3D22	
Shunt release - 380 V AC 50Hz	GV3D38	

Accessories for Motor Circuit Breakers

Description	Reference	Unit MRP [₹]
For GV2-P/GV2-L		
External operator - IP54, Black	GV2APN01 <input checked="" type="checkbox"/>	2085
External operator - IP54, Yellow/Red	GV2APN02	3850
Visible isolation block - for motor circuit breaker GV2	GV2AK00	1745
For GV3P/GV3L		
Auxiliary Contacts		
Front contact: 1 NO (fault) + 1 NC (Auxiliary)	GVAED011	745
Front contact: 1 NO (fault) + 1 NO (Auxiliary)	GVAED101	820
Busbar		
3-pole, 3 tap, 64 mm pitch	GV3G364	860
S-shape bus bar	GV3S	625
External Operator		
IP54, Black	GV3APN01	2485
IP54, Yellow/Red	GV3APN02	
For GK3		
Padlockable external operator	GK3AP03	3990
Instantaneous Aux. Contacts NC + NO for GK3	GK2AX50	920
Instantaneous Aux. Contacts NO + NO for GK3	GK2AX20	990

Note: All other accessories are same as of GV2

Description	Operating Voltage	Reference	Unit MRP [₹]
For GV7			
Accessory for direct rotary handle mount on door ⁽²⁾	-	GV7AP05	1375
Auxiliary contact - 1 OC	-	GV7AE11 <input checked="" type="checkbox"/>	1335
Clip-on connector - upto 150 A - 1.5..95 mm ²	-	GV7AC021	515
Clip-on connector- upto 220 A - 1.5..185 mm ²	-	GV7AC022	515
Fault discrimination Device	24...72V DC/ 24...48V AC	GV7AD111	3955
	110 ... 240V AC/ DC	GV7AD112	3955
Front rotary handle GV7AP GV7R - black handle ⁽²⁾	-	GV7AP03	2320
	-	GV7AP01	4050
Padlocking device - 1..3 padlocks Ø 5.8mm shank ⁽³⁾	-	GV7V01	630
Phase barriers	-	GV7AC04	700
Terminal shields IP405 ⁽¹⁾	-	GV7AC01	1425

For GV7			
Shunt release	110...130 V AC 50/60 Hz	GV7AS107	3075
	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	3295
	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	910

(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

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

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

Vario Switch Disconnectors

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

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

10 A	3P	4 kW	VCF02GE	2045
16 A	3P	5.5 kW	VCF01GE	2225
20 A	3P	7.5 kW	VCF0GE	2705
25 A	3P	11 kW	VCF1GE	2905
32 A	3P	15 kW	VCF2GE	3405
50 A	3P	22 kW	VCF3GE	5280
63 A	3P	30 kW	VCF4GE	6180

* Rated Power at 415 V

** lth in enclosure

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

12 - 40 A	4 Screw Fixing	IP65	KCF1PZ	435
63 - 80 A	4 Screw Fixing	IP65	KCF2PZ	465
125 - 175 A	4 Screw Fixing	IP40	KCF3PZ	1930

Vario Switch Disconnectors

[lth] Conventional Thermal Current	Poles Description	Reference	Unit MRP [₹]
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Complete Switch with Padlockable Operator

- Suitable for Front Mounting or Base Mounting

12 A	3P	VCF02	1285
20 A	3P	VCF01	1395
25 A	3P	VCF0	1630
32 A	3P	VCF1	1705
40 A	3P	VCF2	2120
63 A	3P	VCF3	3180
80 A	3P	VCF4	3600
125 A	3P	VCF5	8270
175 A	3P	VCF6	10030

Switch Bodies

12 A	V02	825
20 A	V01	960
25 A	V0	1150
32 A	V1	1390
40 A	V2	1705
63 A	V3	2390
80 A	V4	3140
125 A	V5	6380
175 A	V6	8135

Accessories

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

Main Pole Module	V02/VCF02	12 A	1P	-	-	VZ02	590
	V01/VCF01	20 A	1P	-	-	VZ01	605
	V0/VCF0	25 A	1P	-	-	VZ0	635
	V1/VCF1	32 A	1P	-	-	VZ1	625
	V2/VCF2	40 A	1P	-	-	VZ2	675
	V3/VCF3	63 A	1P	-	-	VZ3	875
	V4/VCF4	80 A	1P	-	-	VZ4	875
Neutral Pole Module ⁽²⁾	V02 / VCF02 to V2 / VCF2	-	1N	-	-	VZ11	720
	V3 / VCF3 to V4 / VCF4	-	1N	-	-	VZ12	970
	V5 / VCZ5 to V6 / VCZ6	-	1N	-	-	VZ13	2010
Earthing Module	V02 / VCF02 to V2 / VCF20	-	-	-	-	VZ14	705
	V3 / VCF3 to V4 / VCF4	-	-	1	-	VZ15	835
	V5 / VCZ5 to V6 / VCZ6	-	-	1	-	VZ16	1315
Auxiliary Contact Block Module	V02/ VCF02 to V6 / VCZ6	-	-	-	1 NO + 1 NC	VZ7	740
	V2/ VCF02 to V6 / VCZ6	-	-	-	2 NO	VZ20	740

(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 MRP [₹]
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Components for Door Interlocking

Shaft extension - for Mini-VARIO and VARIO - V02..V2	V02...V2	VZ17	705
		VZ30	835
Shaft extension - for Mini-VARIO and VARIO - V3 V4 V5 V6	V3, V4, V5, V6	VZ18	835
		VZ31	965
Door interlock plate	VZ17 / VZ30	KZ32	175
		VZ18/31	KZ74

Input Terminal Protection Shrouds

Terminal Shrouds	V02 - V2	VZ8	230
		VZ26	195
	V3 - V4	VZ9	245
		VZ27	195
	V5 - V6	VZ10	315
		V02 - V6	VZ28
		VZ29	230

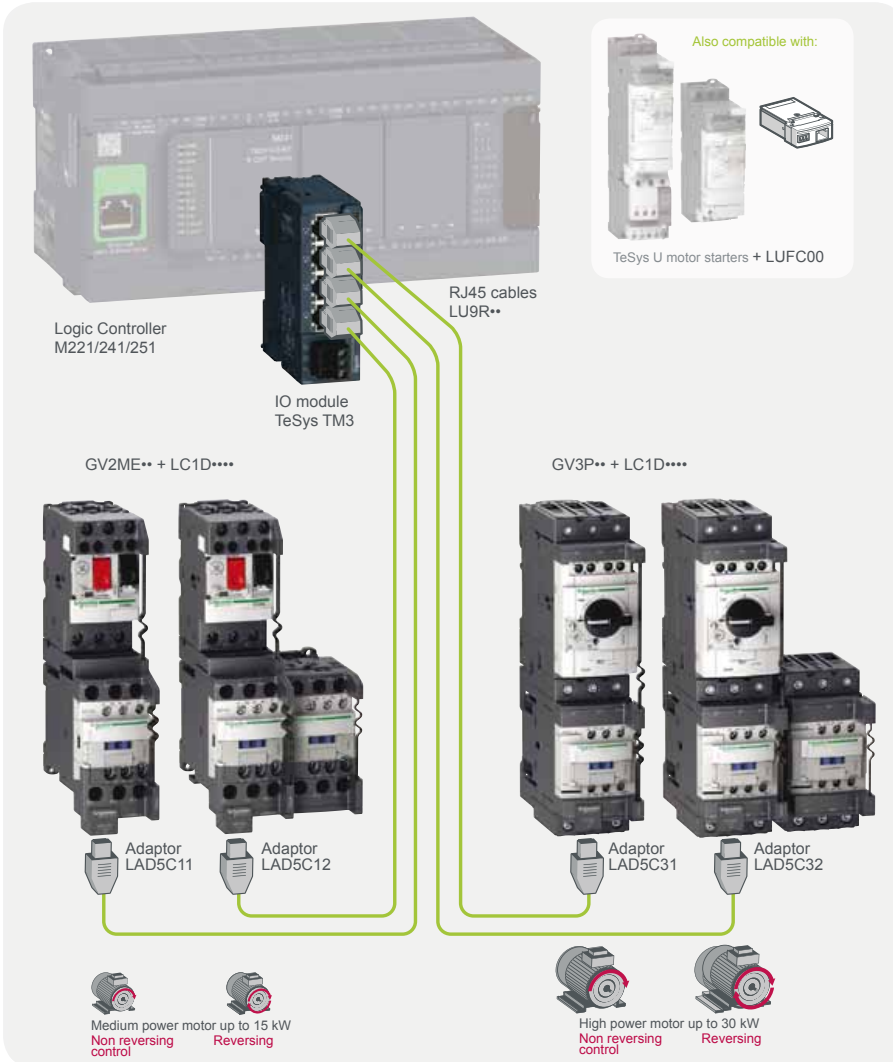
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NORMAL STOCK ITEMS

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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.

Switching and Control 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 Connectivity to choose
- 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 MRP [₹]
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 MRP [₹]
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 MRP [₹]
Control Units					
0.15...0.6 A	0.09	LUCAX6**	LUCBX6**	LUCMX6BL	On Request
0.35...1.4 A	0.25	LUCA1X**	LUCB1X**	LUCM1XBBL	On Request
1.25...5 A	1.5	LUCA05**	LUCB05**	LUCM05BBL	On Request
3...12 A	5.5	LUCA12**	LUCB12**	LUCM12BBL	On Request
4.5...18 A	7.5	LUCA18**	LUCB18**	LUCM18BBL	On Request
8...32 A	15	LUCA32**	LUCB32**	LUCM32BBL	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 ⁽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 %.

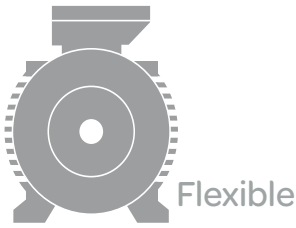
(3) DC: 48...72 V, AC: 48 V.

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

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

NORMAL STOCK ITEMS

W.E.F. December 19, 2014



Safety M



Smart Connected



Protection

Compliant

Energy efficiency

Reliable

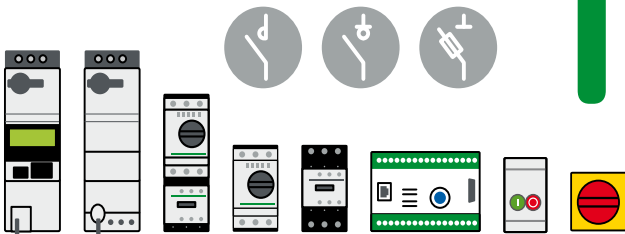


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TeSys®



be your drive

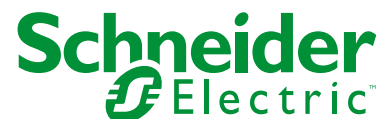
TeSys range: TeSys GV, TeSys GK, TeSys GS, TeSys DF, TeSys K, TeSys D, TeSys F, TeSys B, TeSys LR, TeSys LT, TeSys M, TeSys T, TeSys Vario, TeSys U, TeSys LE, TeSys LG

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



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*	2200
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*	2460
2		10TDL	MS11AC11*	
3		10TDL	MS11AC13*	

TDL, Automatic 3 Phase (0.05 - 125 HP)

0.05	0.16...0.25 A	5TDL	MS13AC01*	2225	
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*		
0.75		5TDL	MS13AC08*		
1	1.6...2.5 A	5TDL	MS13AC09* ✓		2305
1.5		5TDL	MS13AC10*		
2	2.5...4 A	5TDL	MS13AC11* ✓		
3	4...6 A	5TDL	MS13AC12* ✓		
5	5.5...8 A	5TDL	MS13AC14* ✓		
7.5	9...13 A	10TDL	MS13AC15* ✓	2575	
10	12...18 A	10TDL	MS13AC16* ✓		
12.5	16...24 A	15TDL	MS13AC17*		
15		15TDL	MS13AC18* ✓		
17.5	23...32 A	20TDL	MS13AC19*		7115
20		20TDL	MS13AC20*		
25	30...40 A	30TDL	MS13AC21*		11210
30	37...50 A	30TDL	MS13AC22*		
40	48...65 A	40TDL	MS13AC24*		14710
50	63...80 A	50TDL	MS13AC26*		16700
75	84...135 A	75TDL	MS13AC28*	26035	
100	124...198 A	100TDL	MS13AC29*	33540	
125		125TDL	MS13AC30*	36751	

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

3	4...6 A	10TRS	MS13RJ12*	6345
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*	10395
15		20TRS	MS13RJ18*	
17.5	23...32 A	20TRS	MS13RJ19*	10965
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*	7570
10	7...10 A	15TSDA	MS23AI16* ✓	7570
12.5	9...13 A	15TSDA	MS23AI17*	7680
15		15TSDA	MS23AI18* ✓	7680
20	12...18 A	30TSDA	MS23AI20* ✓	8730
25	16...24 A	30TSDA	MS23AI21* ✓	9910
30	23...32 A	30TSDA	MS23AI22* ✓	11460
35		40TSDA	MS23AI23*	18390
40	30...38 A	40TSDA	MS23AI24*	20065
50	37...50 A	50TSDA	MS23AI26*	24360
60		75TSDA	MS23AI27*	42270
75	45...65 A	75TSDA	MS23AI28*	45130
100	62...99 A	100TSDA	MS23AI29*	58735
125	84...135 A	125TSDA	MS23AI30*	61585
150		150TSDA	MS23AI31*	75915
200	124...198 A	200TSDA	MS23AI32*	91230
250	174...279 A	250TSDA	MS23AI33*	115135
400	259...414 A	400TSDA	MS23AI34*	138180

*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	3335
0.8...1.2 A	0.37	LE1M35**06	3495
1.2...1.8 A	0.55	LE1M35**07	3670
1.8...2.6 A	0.75	LE1M35**08	3670
2.6...3.7 A	1.50	LE1M35**10	
3.7...5.5 A	2.20	LE1M35**12	3670
5.5...8 A	3	LE1M35**14	
8...11.5 A	4	LE1M35**16	3900
10...14 A	5.50	LE1M35**21	
12...16 A	7.50	LE1M35**22	3900

** 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 [₹]
For TDL, TRS & TSD/A Starters			
Pushbutton Actuator Assembly for 10/40/50/75/100/125 TDL	10	MSMC02	165
Pushbutton Switch Assembly for 10 TDL	10	MSMC03	341
Start Pushbutton Assembly for 40 - 400 TSDA	10	MSMI01	220
Stop Pushbutton Assembly for 40 - 400 TSDA	10	MSMI02	325
9 Way Terminal Block for 15 TSDA	10	MSMI03	792
9 Way Terminal Block for 30 TSDA	10	MSMI04	1557
9 Way Terminal Block for 40 - 75 TSDA	10	MSMI05	369
Electronic Timer for 15 - 400 TSDA	10	MSMI06 <input checked="" type="checkbox"/>	
Pushbutton Actuator Assembly for 15/20/30 TDL, 10/20 TRS &15/30 TSDA	10	MSMK01	

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 19, 2014

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	NX63	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	Contactor
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

* 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	GV2ME20	13-18	LC1D25
9.0	18.1	50	GV2ME21	17-23	LC1D25
11.0	21	50	GV2ME22	20-25	LC1D25
15.0	28.5	35	GV2ME32	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.

Selection Chart:

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

- 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
1.5	3.5	50	GV2ME08	2.5-4	3XLC1K06
2.2	5	50	GV2ME10	4-6.3	3XLC1K06
3.0	6.5	50	GV2ME14	6-10	3XLC1K06
4.0	8.4	50	GV2ME14	6-10	3XLC1K06
5.5	11	15	GV2ME16	9-14	3XLC1K06
7.5	14.8	15	GV2ME20	13-18	3XLC1K09
9.0	18.1	15	GV2ME21	17-23	3XLC1D12
11.0	21	15	GV2ME22	20-25	3XLC1D12
15.0	28.5	10	GV2ME32	24-32	3XLC1D18
18.5	35	50	GV3P40	30-40	3XLC1D18
22.0	42	50	GV3P50	37-50	3XLC1D32
30.0	57	50	GV3P65	48-65	3XLC1D32
37.0	69	50	GV3P65	48-65	3XLC1D40A
45.0	81	25	GV7RE100	60-100	3XLC1D50A
55.0	100	25	GV7RE100	60-100	3XLC1D50A
75.0	135	35	GV7RE150	90-150	3XLC1D80
90.0	165	35	GV7RE220	132-220	3XLC1D115
110.0	200	35	GV7RE220	132-220	3XLC1D115

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

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

- No down time
- Fault indication features possible
- No replacement of hrc fuses
- More reliability
- No running cost

Motor Rating kW	Operational Current in A	Iq* Motor kA	Circuit Breaker	Thermal Range	Contactors
1.5	3.5	130	GV2P08	2.5-4.0	3XLC1D09
2.2	5	130	GV2P10	4-6.3	3XLC1D18
3.0	6.5	130	GV2P14	6-10	3XLC1D18
4.0	8.4	130	GV2P14	6-10	3XLC1D18
5.5	11	130	GV2P16	9-14	3XLC1D25
7.5	14.8	50	GV2P20	13-18	3XLC1D25
9.0	18.1	50	GV2P21	17-23	3XLC1D25
11.0	21	50	GV2P22	20-25	3XLC1D25
15.0	28.5	50	GV3P32	23-32	3XLC1D40A
18.5	35	50	GV3P40	30-40	3XLC1D50A
22.0	42	50	GV3P50	37-50	3XLC1D50A
30.0	57	50	GV3P65	48-65	3XLC1D65A
37.0	69	70	GV7RS80	48-80	3XLC1D80
45.0	81	70	GV7RS100	60-100	3XLC1D115
55.0	100	70	GV7RS100	60-100	3XLC1D115
75.0	135	70	GV7RS150	90-150	3XLC1D150
90.0	165	70	GV7RS220	132-220	3XLC1F185
110.0	200	70	GV7RS220	132-220	3XLC1F225

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.

Make the most of your energySM

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

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Monday-Saturday, 9 a.m. to 8 p.m.

Toll-free numbers: 1800 425 4272, 1800 103 0011

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

- 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.

Distributor