

Life Is On

Schneider
Electric



 Price List

Switching and Controlling Products

With effect from December 29, 2016



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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



Designed for the Essential

EasyPact TVS

Power Contactors - ETVS(3 Pole AC Control)



- Conformance to IEC 60947-4-1, CE Marking
- Current Rating: 6A to 630A, AC3 Rating
- Type 2 co-ordination chart available with Fuse, MPCB and MCCB.
- Operating Ambient Temperature upto 60°C.
- Wide Band Coil in 6 -38A for 220 & 415VAC

[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"/>	870
				1	-	LC1E0610* <input checked="" type="checkbox"/>	870
25 A	9 A	5.5	4	-	1	LC1E0901* <input checked="" type="checkbox"/>	900
				1	-	LC1E0910* <input checked="" type="checkbox"/>	900
25 A	12 A	7.5	5.5	-	1	LC1E1201* <input checked="" type="checkbox"/>	1000
				1	-	LC1E1210* <input checked="" type="checkbox"/>	1000
32 A	18 A	12	9	-	1	LC1E1801* <input checked="" type="checkbox"/>	1150
				1	-	LC1E1810* <input checked="" type="checkbox"/>	1150
36A	25 A	15	11	-	1	LC1E2501* <input checked="" type="checkbox"/>	1600
				1	-	LC1E2510* <input checked="" type="checkbox"/>	1600
50 A	32 A	20	15	-	1	LC1E3201* <input checked="" type="checkbox"/>	3300
				1	-	LC1E3210* <input checked="" type="checkbox"/>	3300
50 A	38 A	25	18.5	-	1	LC1E3801* <input checked="" type="checkbox"/>	4050
				1	-	LC1E3810* <input checked="" type="checkbox"/>	4050
60 A	40 A	29	22	1	1	LC1E40* <input checked="" type="checkbox"/>	5250
70 A	50 A	34	25/30	1	1	LC1E50*	6385
80 A	65 A	50	37	1	1	LC1E65* <input checked="" type="checkbox"/>	8650

[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"/>	10850
120 A	95 A	60	45	1	1	LC1E95* <input checked="" type="checkbox"/>	12750
150 A	120 A	75	55	1	1	LC1E120*	16000
200 A	160 A	120	90	1	1	LC1E160*	21000
250 A	200 A	150	110	-	-	LC1E200*	30420
300 A	250A	175	132	-	-	LC1E250*	36040
320 A	300 A	215	160	-	-	LC1E300*	43155
500 A	400	295	220	-	-	LC1E400*	54855
700 A	500	375	280	-	-	LC1E500*	77270
1000 A	630	500	375	-	-	LC1E630*	109705

* Reference to be completed by adding coil voltage code

Coil Voltage Code

* VOLTAGE (V AC)	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 ₹ 120/- while ordering Contactors with Non Standard Voltages .

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

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

EasyPact TVS

Power Contactors - ETVS (4 Pole AC Control)



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

AC-1 Rating @ 60°C	Power Poles	Reference	Unit MRP [₹]	Power Poles	Reference	Unit MRP [₹]
16	4NO	LC1E06004*	1050	2NO + 2NC	LC1E06008*	1295
20	4NO	LC1E09004*	1120	2NO + 2NC	LC1E09008*	1360
25	4NO	LC1E12004*	1230	2NO + 2NC	LC1E12008*	1490
32	4NO	LC1E18004*	1290	2NO + 2NC	LC1E18008*	1645
40	4NO	LC1E25004*	2040	2NO + 2NC	LC1E25008*	2705
45	4NO	LC1E32004*	3400	2NO + 2NC	LC1E32008*	4195
50	4NO	LC1E38004*	4020	2NO + 2NC	LC1E38008*	5295
60	4NO	LC1E40004*	6335	2NO + 2NC	LC1E40008*	8165
80	4NO	LC1E65004*	8605	2NO + 2NC	LC1E65008*	9855

AC-1 Rating @ 60°C	Power Poles	Reference	Unit LP [₹]	Power Poles	Reference	Unit LP [₹]
100	4NO	LC1E80004*	10715	2NO + 2NC	LC1E80008*	14585
125	4NO	LC1E95004*	12415	2NO + 2NC	LC1E95008*	17475

* Reference to be completed by adding coil voltage code

Control Relays - ETVS (AC Control)

Auxiliary Contacts		Reference	Unit MRP [₹]
NO	NC		
4	0	CAE40*	950
3	1	CAE31*	
2	2	CAE22*	

* Reference to be completed by adding coil voltage code

Coil Voltage Code

* Voltage (V AC)	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 ₹120 while ordering non-standard voltages

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

NORMAL STOCK ITEMS

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Thermal Overload Relay - ETVS



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

Thermal Protection Adjustment Range	For Use with Contactor	Reference	Unit MRP [₹]
LRE			
0.1...0.16 A	E06...E38	LRE01	1380
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"/>	
16...24 A	E25...E38	LRE22 <input checked="" type="checkbox"/>	1850
23...32 A	E25...E38	LRE32 <input checked="" type="checkbox"/>	2450
30...38 A	E38	LRE35 <input checked="" type="checkbox"/>	2750
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 <input checked="" type="checkbox"/>	
48...65 A	E65...E95	LRE359	
			4100

Thermal Protection Adjustment Range	For Use with Contactor	Reference	Unit LP [₹]
LRE			
55...70 A	E80...E95	LRE361	4450
63...80 A	E80...E95	LRE363	4400
80...104 A	E95	LRE365	
51...81 A	E120...E300	LRE480	8800
62...99 A	E120...E300	LRE481	
84...135 A	E120...E300	LRE482	
124...198 A	E160...E300	LRE483	
146...234 A	E200...E300	LRE484	
174...279 A	E250...E300	LRE485	
208...333 A	E300	LRE486	9550
258...414 A	E300...E400	LRE487	11660
321...513 A	E500	LRE488	12750
394...630 A	E630	LRE489	13780

Note: For separate mounting block, for LRE

- For LRE01...LRE35 – terminal block for clip-on Mounting LAEB1 Unit LP: ₹520
- For LRE322...LRE365 – terminal block for clip-on Mounting LAEB3 Unit LP: ₹ 1550

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

NORMAL STOCK ITEMS

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Spare Coils

Contactor	Reference	Unit LP [₹]
CAE, LC1E06...E18	LAEX1**	785
LC1E25	LAEX12**	
LC1E32/E38	LAEX2**	965
LC1E40/E65	LAEX3**	1435
LC1E80/E95	LAEX4**	1800
LC1E120/E160	LAEX5**	2005
LC1E200/E250	LAEX6**	2800
LC1E300	LAEX7**	3050
LC1E0600*.... LC1E1800*	LAEX1T**	910
LC1E2500*.... LC1E3800*	LAEX2T**	1095
LC1E4000*....LC1E9500*	LAEX4T**	1935

* Reference to be completed by adding coil voltage code

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

Note:

- Add ₹ 120 while ordering non-standard voltages

Accessories - For ETVS Contactors

Description	For Use with	Mounting	Contacts	Reference	Unit LP [₹]
Auxillary Contact Block	LC1E06..E630 & LC1E0600*..E95*	Front	1NO+1NC	LAEN11 <input checked="" type="checkbox"/>	260
			2NO	LAEN20 <input checked="" type="checkbox"/>	260
			2NC	LAEN02 <input checked="" type="checkbox"/>	275
			2NO+2NC	LAEN22 <input checked="" type="checkbox"/>	450
			4NO	LAEN40 <input checked="" type="checkbox"/>	450
Star Delta Timer	LC1E25..E630			LAETSD <input checked="" type="checkbox"/>	2110

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

Description	For Use with	Reference	Unit LP [₹]
Mechanical Interlock	LC1E06..E65 & LC1E0600*..E3800*	LAEM1	495
	LC1E80..E95 & LC1E4000*..E9500*	LAEM4	1645
	LC1E120..E160	LAEM5	3075
	LC1E200..E250	LAEM6	3135
	LC1E300	LAEM7	3985
	LC1E400	LAEM8	4400

3 Pole Accessories compatibility

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

4 Pole Accessories compatibility

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

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

EasyPact TVS

Motor Protection Circuit Breaker - ETVS



- Conformance to IEC 60947-4-1, CE Marking
- Range : 0.1A to 32A
- Short Circuit and Overload Protection
- Breaking Capacity upto 100KA

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**		Thermal Protection Adjustment Range	Reference	Unit MRP [₹]
	KW	hP			
GZ1-E Thermal Magnetic- With Pushbutton control					
100 kA	-	-	0.1 - 0.16	GZ1E01	2650
	0.06	-	0.16 - 0.25	GZ1E02	
	0.09	-	0.25 - 0.40	GZ1E03	
	0.18	-	0.40 - 0.63	GZ1E04	2950
	0.37	0.5	0.63 - 1.0	GZ1E05	
	0.55	0.75	1.0 - 1.6	GZ1E06	3000
	0.75	1	1.6 - 2.5	GZ1E07	
	1.1	2	2.5 - 4	GZ1E08	3100
	2.2	3	4 - 6.3	GZ1E10	
	3	5.5	6 - 10	GZ1E14	3200
10 kA	5.5	7.5	9 - 14	GZ1E16	3600
	7.5	10	13 - 18	GZ1E20	3850
	9	12.5	17 - 23	GZ1E21	4250
	11	15	20 - 25	GZ1E22	4450
	15	20	24 - 32	GZ1E32	7950

Accessories - ETVS MPCB

Description	Mounting	Contacts	Reference	Unit LP [₹]
Auxillary Contact Block	LH Side Mounted	1NO+1NC	GZ1AN11	825
		2NO	GZ1AN20	1035

Description	Mounting	Range	Reference	Unit LP [₹]	
Electric Trips					
Undervoltage	RH Side Mounted	110...115 V	50 Hz	GZ1 AU115	2255
		220...240 V	50 Hz	GZ1 AU225	2255
		380...400 V	50 Hz	GZ1 AU385	3110
Shunt trip		110...115 V	50 Hz	GZ1 AS115	2395
		220...240 V	50 Hz	GZ1 AS225	2395

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

Let TeSys be your drive

Intuitive solutions to protect, monitor and control your motor

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

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



Boosts your productivity

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

Improves safety

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

Adapts to any situation

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

Simplifies smart installation design

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



Efficient power for your business

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

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



Best-in-class solutions for motors

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

Best-in-class TeSys products include:

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



Go greener with TeSys

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

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



Control Relays - K model (AC & DC Control)



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

No of Poles	AC Control Reference	Unit LP [₹]	DC Control Reference	Unit LP [₹]	DC low consumption Reference ^{(1) (2) (3)}	Unit LP [₹]
2NO + 2NC	CA2KN22*	1175	CA3KN22**	1600	CA4KN22***	1930
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)



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

[le] Rated Operational Current (A)	Motor Power (kW)	Auxiliary Contacts	AC Control Reference	Unit LP [₹]	DC Control Reference	Unit LP [₹]
6	3	1 NC	LC1K0601*	995	LP1K0601**	1480
		1 NO	LC1K0610*		LP1K0610**	
9	5.5	1 NC	LC1K0901*	1050	LP1K0901**	1700
		1 NO	LC1K0910*		LP1K0910**	
12	7.5	1 NC	LC1K1201*	1180	LP1K1201**	1850
		1 NO	LC1K1210*		LP1K1210**	
16	10	1 NC	LC1K1601*	1380	-	-
		1 NO	LC1K1610*		-	-

Reversing Contactors - K model



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

[le] Rated Operational Current (A)	Motor Power (kW)	Auxiliary Contacts	AC Control Reference	Unit LP [₹]
6	3	1 NC	LC2K0601*	3145
		1 NO	LC2K0610*	
9	5.5	1 NC	LC2K0901*	3315
		1 NO	LC2K0910*	
12	7.5	1 NC	LC2K1201*	3420
		1 NO	LC2K1210*	
16	10	1 NC	LC2K1601*	3830
		1 NO	LC2K1610*	

* Reference to be completed by adding coil voltage code

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

Coil Voltage Code

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

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

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

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Accessories - K Model

Description	Mounting	Contacts	Reference	Unit LP [₹]
Auxiliary contact block	Front	2 NC	LA1KN02	350
		1 NO + 1 NC	LA1KN11 <input checked="" type="checkbox"/>	
		2 NO	LA1KN20	
		4 NC	LA1KN04	
		1 NO + 3 NC	LA1KN13	550
		2 NO + 2 NC	LA1KN22 <input checked="" type="checkbox"/>	
		3 NO + 1 NC	LA1KN31	
		4 NO	LA1KN40	

Description	Control Voltage	Range	Reference	Unit LP [₹]
On Delay Electronic Timer	24..48 V AC/DC	1..30S	LA2KT2E(1)	1840
	110..240 V AC	1..30S	LA2KT2UA(1)	

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

* Lot size 5
 (1) Front mounted with common point changeover contact

Thermal Overload Relays - LR2-K Model



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

Thermal Protection Adjustment Range	For Use With	Reference*	Unit LP [₹]
0.11...0.16 A	LC1K, LP1K, LP4K, LP2K, LC2K	LR2K0301	1585
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 ₹ 600/-

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

Control Relays - D model (AC & DC Control)



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

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*	1250	CAD32**	1900	CAD32***	2220
5NO+0NC	CAD50*		CAD50**		CAD50***	

(1) Compatible with PLC outputs

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

(3) 2 pole auxiliary block can be mounted

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



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

[le] Rated Operational Current AC1	AC3 Duty (Long Life)			AC3 Duty (Normal Life)			Auxiliary Contacts	AC Control Reference	Unit MRP [₹]	DC Control Reference ⁽¹⁾	Unit MRP [₹]
	kW	hP	A	kW	hP	A					
25	4	5.5	9	5.5	7.5	12	1 NO + 1 NC	LC1D09* <input checked="" type="checkbox"/>	1250	LC1D09** <input checked="" type="checkbox"/>	1950
	5.5	7.5	12	9	12.5	18	1 NO + 1 NC	LC1D12* <input checked="" type="checkbox"/>	1400	LC1D12** <input checked="" type="checkbox"/>	2100
32	9	12.5	18	11	15	25	1 NO + 1 NC	LC1D18* <input checked="" type="checkbox"/>	1570	LC1D18** <input checked="" type="checkbox"/>	2700
40	11	15	25	15	20	32	1 NO + 1 NC	LC1D25* <input checked="" type="checkbox"/>	2000	LC1D25** <input checked="" type="checkbox"/>	3400
50	15	20	32	22	30	40	1 NO + 1 NC	LC1D32* <input checked="" type="checkbox"/>	4000	LC1D32** <input checked="" type="checkbox"/>	7200
	18.5	25	38	-	-	-	1 NO + 1 NC	LC1D38* <input checked="" type="checkbox"/>	5750	LC1D38** <input checked="" type="checkbox"/>	8200
60	22	30	40	-	-	-	1 NO + 1 NC	LC1D40A* <input checked="" type="checkbox"/>	6350	LC1D40A**	9250
80	25	35	50	-	-	-	1 NO + 1 NC	LC1D50A* <input checked="" type="checkbox"/>	7550	LC1D50A**	11600
80	37	50	65	-	-	-	1 NO + 1 NC	LC1D65A* <input checked="" type="checkbox"/>	10500	LC1D65A**	13200

[le] Rated Operational Current AC1	AC3 Duty (Long Life)			AC3 Duty (Normal Life)			Auxiliary Contacts	AC Control Reference	Unit LP [₹]	DC Control Reference ⁽¹⁾	Unit LP [₹]
	kW	hP	A	kW	hP	A					
125	45	60	80	55	75	105	1 NO + 1 NC	LC1D80* <input checked="" type="checkbox"/>	13100	LC1D80**	15950
	45	60	95	55	75	110	1 NO + 1 NC	LC1D95*	16050	LC1D95**	19000
250	59	80	115	-	-	-	1 NO + 1 NC	LC1D115*	19400	LC1D115*	20000
	80	110	150	-	-	-	1 NO + 1 NC	LC1D150* <input checked="" type="checkbox"/>	25500	LC1D150*	26500

* Reference to be completed by adding coil voltage code

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

NORMAL STOCK ITEMS

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

[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"/>	2400
	5.5	7.5	12	9	12.5	18	1 NO + 1 NC	LC1D12**** <input checked="" type="checkbox"/>	2500
32	9	12.5	18	11	15	25	1 NO + 1 NC	LC1D18**** <input checked="" type="checkbox"/>	3100
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

* Reference to be completed by adding coil voltage code

Coil Voltage Code

Type	Voltage	24	48	72	110	220	415
AC*	CAD, LC1-D09..to D38, D40A to D150 50/60 Hz	B7	-	-	F7	M7	N7
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 ₹ 190/- to the unit Price of the Standard Contactor for the same rating.

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



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

[Ie] Rated Operational Current AC1	Poles Composition	AC control Reference	Unit MRP [₹]	DC control Reference	Unit MRP [₹]
20	4NO	-	-	LC1DT20**	2040
	2NO+2NC	-	-	LC1D098**	2440
25	4NO	-	-	LC1DT25**	2595
	2NO+2NC	-	-	LC1D128**	3430
32	4NO	-	-	LC1DT32**	3080
	2NO+2NC	-	-	LC1D188**	4095
40	4NO	-	-	LC1DT40**	4840
	2NO+2NC	-	-	LC1D258**	6370
60	4NO	-	-	LC1DT60A**	10170
	2NO+2NC	-	-	LP1D40008**	12010

[Ie] Rated Operational Current AC1	Poles Composition	AC control Reference	Unit LP [₹]	DC control Reference	Unit LP [₹]
80	4NO	-	-	LC1DT80A**	14370
	2NO+2NC	-	-	LP1D65008**	17315
125	4NO	-	-	LP1D80004**	19130
	2NO+2NC	-	-	LP1D80008**	21605
250	4NO	LC1D1150046**	23925	LC1D1150046*	28385

* Reference to be completed by adding coil voltage code

Coil Voltage Code

VOLTAGE	24	110	220	415
LC1D115 50/60Hz	-	F7	M7	N7
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 ₹ 190/- to the unit price of the standard contactor of the same rating.
 (1) For current rating and ref please contact Customer Care

Capacitor Duty Contactors (AC Control)



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

Nominal Reactive Power 440 V	Auxiliary Contacts	Reference	Unit MRP [₹]
LC1-D*K - with Damping Resistors & Block of Early Make poles			
12.5 KVAR	1 NO + 2 NC	LC1DFK*	2700
16.7 KVAR	1 NO + 1 NC	LC1DGK11*C	3800
20 KVAR	1 NO + 2 NC	LC1DLK*	4400
25 KVAR	1 NO + 1 NC	LC1DMK11*C	4900
33.3 KVAR	1 NO + 2 NC	LC1DPK*C	10400
40 KVAR	1 NO + 2 NC	LC1DTK*C	14500
60 KVAR	1 NO + 2 NC	LC1DWK*C	16500

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

* Reference to be completed by adding coil voltage code

* Coil Voltage Code

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

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

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

NORMAL STOCK ITEMS

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Accessories - For D Model Contactors

Description	For use with	Contacts	Reference	Unit LP [₹]	
Add On Blocks					
Additional instantaneous auxiliary contact blocks	LC1D09 ...LC1D150 & LC1F*	Front Mounted	1 NO+1NC	LADN11	360
			2 NO	LADN20	
			2 NC	LADN02	385
			2 NO+2NC	LADN22	590
			4 NC	LADN04	645
			4 NO	LADN40	590
			1 NO+3NC	LADN13	
LC1D80..LC1D95 & LC1F*	Front Mounted	1 NO	LADN10	205	
		1 NC	LADN01		

Description	Contacts	Reference	Unit LP [₹]	
Add On Blocks				
Additional instantaneous auxiliary contact blocks	Side Mounted ⁽¹⁾	1 NO+1NC 2 NO	LAD8N11 LAD8N20	950
Pneumatic timer blocks front mounted	ON delay	1 NO+1NC 0.1..3s	LADT0	2350
		1 NO+1NC 0.1..30s	LADT2	
		1 NO+1NC 10..180s	LADT4	
		1 NO+1NC 1..30s ⁽²⁾	LADS2 <input checked="" type="checkbox"/>	2510
		1 NO+1NC 0.1 ..3s	LADR0	2350
OFF delay	1 NO+1NC 0.1 ..30s 1 NO+1NC 10..180s	LADR2 <input checked="" type="checkbox"/> LADR4		
Set of shins to be used with 4 pole contactors			LA9D511	920

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

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

*Suitable for 80A, 95A and Model F Contactors only

Accessories compatibility

Contactors		Instantaneous auxiliary contacts				Time delay Front mounted	
Type	Number of poles and size	Side mounted	Front mounted				
			1 contact	2 contact	4 contacts		
AC	3P	LC1 D09...D38	1 on LH side	and -	1	or 1	or 1
		LC1 D40A...D65A	1 on LH or 1 on RH side	and -	1	or 1	or 1
		LC1 D80 and D95A (50/60 Hz)	1 on each side	or 2	and 1	or 1	or 1
		LC1 D80 and D95A (50 or 60 Hz)	1 on each side	and 2	and 2	or 1	or 1
	4P	LC1 D115 and D150	1 on LH side	and -	1	or 1	or 1
		LC1 DT20...DT40	1 on LH side	and -	1	or 1	or 1
		LC1 DT60A and DT80A	1 on LH or 1 on RH side	and -	1	or 1	or 1
		LC1 D40008, D65008 and D80	1 on each side	or 1	or 1	or 1	or 1
DC	3P	LC1 D115	1 on each side	and 1	or 1	or 1	or 1
		LC1 D09...D38	-	-	1	or 1	or 1
		LC1 D40A...D65A	-	-	1	or 1	or 1
		LC1 D80 and D95	-	1	or 1	or 1	or 1
	4P	LC1 D115 and D150	1 on LH side	and -	1	or 1	or 1
		LC1 DT20...DT40	-	-	1	or 1	or 1
		LC1 DT60A and DT80A	-	-	1	or 1	or 1
		LC1 D40008, D65008 and D80	-	2	and 1	or 1	or 1
LC (3)	3P	LC1 D09...D38	-	-	1	-	-
	4P	LC1 DT20...DT40	-	-	1	-	-

(3) LC : Low consumption

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

NORMAL STOCK ITEMS

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Description	Time Delay Range	Timer Type	Reference	Unit LP [₹]
On delay timer ⁽¹⁾ ⁽²⁾	15...30 s	On delay	LA4DT2U	2830
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	2610

(1) For LC1 D09...38A (3P, AC coils only) add mounting adaptor LAD4BB = ₹ 595/- and for LC1 D40A...65A (3P, AC coils only), add mounting adaptor LAD4BB3 = ₹ 505/-.

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

Mounting Location	For Use With Contactor	Reference	Unit LP [₹]
For D Model Mechanical Latch Blocks			
Front, Clip-on	LC1 D09...D38 (a or c) LC1 DT20...DT40 (a or c) LC1 D40A...D65A (3P a or c) LC1DT60A AND DT80A (4P a or c)	LAD6K10*	3405
	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*	3560

* Reference to be completed by adding coil voltage code

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

***Coil Voltage Code**

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

Spare coils D model

Product Compatibility	Reference	Unit LP [₹]
AC Coils		
CAD, LC1-D09...D38, DT20..40	LXD1*	870
LC1D40A, D50A, D65A & LC1DT60A, DT80A	LXD3*	2360
D80 & D95 (3P & 4P)	LX1D6*	2500
LC1-D115,D150	LX1D8*	4825
DC Coils		
LC1-D80-D95	LX4D7**	7435
LC1-D115, D150	LX4D8**	8175

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

* Reference to be completed by adding coil voltage code

Coil Voltage Code

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

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

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Description	For use with	Reference	Unit LP [₹]
Power connection accessories			
Terminal block	For supply to one or more GV2 G busbar sets	GV1G09	1365
Set of 63 A busbars for parallelling of contactors	2 contactors LC1 D09...D18 or D25...D38	GV2G245	1020
	4 contactors LC1 D09...D18 or D25...D38	GV2G445	1610
Set of 115 A busbars for parallelling of contactors	2 contactors LC1 D40A...D65A	GV3G264	1830
	3 contactors LC1 D40A...D65A	GV3G364 (1)	970
Set of S-shape busbars	For circuit breakers GV3P** & GV3L** and contactors LC1 D40A...D65A	GV3S	730



GV2G245

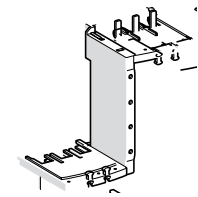


GV1G09

Description	For use with	Reference	Unit LP [₹]
Mechanical interlock	LC1 D09 to D38	LAD9V2	485
	LC1 D40A to D65A	LAD4CM	980
	LC1 D80 and D95 (for AC control voltage) (2)	LA9D4002	2145
	LC1 D80 and D95 (for DC control voltage) (2)	LA9D8002	3235
	LC1 D115 and D150 (2)	LA9D11502	3275

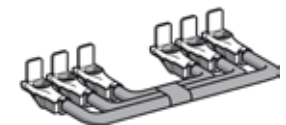
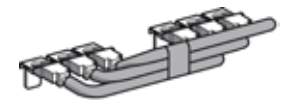
(1) With this set of busbars, any one contactor can be supplied directly by its EverLink® double cage power terminal block. The other two contactors are supplied by the busbar set. The 115 A limitation is therefore applied to these two contactors.

(2) With electrical interlock



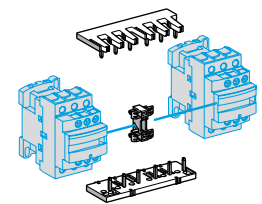
GV3S

Description	For use with	Reference	Unit LP [₹]
Power Connection for Reversing			
Kit Comprising : 1. a set of parallel bars 2. a set of reverser bars.	LC1 D09 to D38	LAD9V5 + LAD9V6	400+500
	LC1 D40A to D65A	LA9D65A69	2100
	LC1 D80 and D95 (for AC control voltage)	LA9D8069	4500
	LC1 D80 and D95 (for DC control voltage)	LA9D8069	4500
	LC1 D115 and D150	LA9D11569	7500



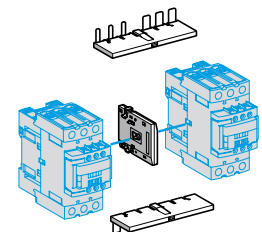
LA9 D8069

Description	For use with	Reference	Unit LP [₹]
Reversing Kit			
Kit Comprising : 1. A mechanical interlock LAD 9V2 with electrical interlocking LAD 9V1 2. A set of power connections LAD 9V5 (parallel) and LAD 9V6 (reversing).	LC1 D09 to D38	LAD9R1V	1000
	LC1 D09 TO D38	LAD9R1	760
Kit Comprising : 1. a mechanical interlock LAD 4CM 2. a set of power connections LA9 D65A69.	LC1 D40A TO D65A	LAD9R3	2400



LAD9R1

Description	For use with	Reference	Unit LP [₹]
Star Delta Kit			
Time delay contact block LAD S2 (LC1 D09...D80),	LC1 D09 and D12	LAD91217	3800
Power circuit connections (LC1 D09...D80),	LC1 D18 to D32	LAD93217	4900
Hardware required for fixing the contactors onto the mounting plate (LC1D80)	LC1 D40A AND D50A	LAD9SD3	9900
	LC1 D80	LA9D8017	11000



LAD9R3



LAD91217



LAD9SD3



LA9D8017

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

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Description	For Use With	Reference	Unit LP [₹]
For Contactor D115/150			
Arc chamber - 3P	LC1D115	LA5D11550	4235
Arc chamber - 3P	LC1D150	LA5D15050	4235
Contacts set - 3P	LC1D115	LA5D1158031	11190
Contacts set - 3P	LC1D150	LA5D150803	11600
Contacts set - 4P	LC1D1150046	LA5D115804	15435

Product Compatibility	Fixing	Control Circuit Voltage	Suppressor Type	Reference	Unit LP [₹]
Coil Suppressor Modules					
LC1-D12...D25 (4P)	Clip-on	24...48 V AC	RC Circuit AC	LA4DA1E	860
LC1-D12...D25 (4P)		110...240 V AC	RC Circuit AC	LA4DA1U	
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	835
		24...48 V AC 400 Hz	RC Circuit AC	LAD4RCE	750
		50...127 V AC 200 Hz	RC Circuit AC	LAD4RCG	835
		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	860
LC1D80...D115, LC2D80...D115 (3P) LC1D80...D115, LC2D80...D115 (4P)		24...48 V AC	Varistor AC/DC	LA4DE2E	820
		110...250 V AC	Varistor AC/DC	LA4DE2U	
		24...48 V AC 400 Hz	RC Circuit AC	LA4DA2E	1305
		50...127 V AC 200 Hz	RC Circuit AC	LA4DA2G	860
		110...240 V AC 100 Hz	RC Circuit AC	LA4DA2U	1305
		380...415 V AC 150 Hz	RC Circuit AC	LA4DA2N	860
		24...48 V DC	Varistor AC/DC	LA4DE3E	820
		110...250 V DC	Varistor AC/DC	LA4DE3U	


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


Simple, customisable modular marking system

Standard TeSys D contactors

Easy-to-attach covers:




Auxiliary blocks for more contact points:



Standard TeSys U motor starters

Translucent labels to identify safety-chain devices:




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



Simpler and faster maintenance with 100% visibility



Safety covers and auxiliary blocks prevent screwdriver contact with poles

Complete safety-chain identification system

TeSys D range				TeSys U range
Retrofit contactor safety covers				Auxiliary contact block
				Retrofit identification label
LAD9ET1S 9A up to 65 A	LAD9ET3S 80A to 95A	LAD9ET4S 110A to 150A	LADN22S 2NO + 2NC	
Also available for CAD32/CAD50				LU9ET1S

Built in Safety

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

Description	For Use with	Reference	Unit LP [₹]
Red cover (for safety chain indication)	LC1 D09...D65A and DT20...DT80A	LAD9ET1S	450
	LC1 D80 and D95	LAD9ET3S	
	LC1 D115 AND D150	LAD9ET4S	
Auxiliary Contact Block With red front face - for safety chain indication	2NO+2NC	LADN22S	650

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

Advanced motor protection for a wide range of applications

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



Thermal Overload Relays - D Model



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

Thermal Protection Adjustment Range	For Use With	Reference*	Unit MRP [₹]	
LRD Model (Direct Mounting)				
0.1...0.16 A		LRD01	1750	
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"/>		1850
23...32 A	LC1D25...LC1D38, LC1D32	LRD32 <input checked="" type="checkbox"/>	3150	
30...38 A	LC1D32, LC1D38	LRD35	3500	
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"/>		4500
48...65 A	LC1D80...LC1D95	LRD3357		5300
48...65 A	LC1D40A...D65A	LRD365		5650
48...65 A	LC1D80...LC1D95	LRD3359	5650	

Thermal Protection Adjustment Range	For Use With	Reference*	Unit LP [₹]
LRD Model (Direct Mounting)			
63...80 A	LC1D65...LC1D95	LRD3363	6090
80...104 A	LC1D80, LC1D95	LRD3365	7740

Note:

- *For LRD01...LRD35 - Terminal Block for clip-on Mounting LAD7B106 Unit LP: ₹ 560/-
- *For LRD33** - Terminal Block for clip-on Mounting LA7D3064 Unit LP: ₹ 1670/-
- For LRD332, LRD340, LRD350 & LRD365 - Connection block for separate mounting LAD96560 Unit LP: ₹ 1385/-
- 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.

Electronic Thermal Overload Relay - D Model



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

Current Range	For Use With	Reference*	Unit MRP [₹]
0.1...0.5A		LR9D01	7595
0.4...2.0A	LC1D09 - 38A Direct Mounting	LR9D02	7940
1.6...8.0A		LR9D08	7940
6.4...32A		LR9D32	9115
22...110A	Separate Mounting	LR9D110S	13930

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

Electronic Over Current Relay



Features :

- Over current, Under current,
- Phase loss, Phase reversal, Stall, Jam, Current imbalance
- Earth fault, Short circuit
- Definite & Inverse time characteristics
- Range : 0.5 A to 800A (1)
- Operating Voltage : 100-240VAC/DC 7 24VAC/DC
- Voltage & Power protection (Optional)

(1) For higher rating please contact Customer Care Centre

Please contact Customer Care Centre for more details on EOOR

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

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

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

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

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

☑ NORMAL STOCK ITEMS

W.E.F. December 29, 2016

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



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

[le] 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	16000
250	80	110	150	100	135	185	LC1F150	22000
275	100	135	185	110	150	205	LC1F185	26000
315	110	150	225	140	190	265	LC1F225	29000
350	140	190	265	160	220	300	LC1F265	33500
400	180	245	330	220	300	400	LC1F330	40500
500	220	300	400	250	340	450	LC1F400	46000
700	280	380	500	375	500	630	LC1F500	63000
1000	375	500	630	450	610	800	LC1F630	112750
1000	450	610	800				LC1F800	175000
1250	630	840	1000				LC1F1000	On Request

Note:

- Contactor reference does not include coil. Contactor coil & aux. contacts to be ordered separately.(Coil includes 1 NO contact)
- Please select coils from below table separately.
- For additional auxiliary block and other accessories please see page 27

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 LP [₹]
200 A	4 NO	LC1F1154	27140
250 A	4 NO	LC1F1504	33010
275 A	4 NO	LC1F1854	41160
315 A	4 NO	LC1F2254	48570
350 A	4 NO	LC1F2654	54260
400 A	4 NO	LC1F3304	64490
500 A	2 NO	LC1F4002	45715
500 A	4 NO	LC1F4004	76070
700 A	2 NO	LC1F5002	67275
700 A	4 NO	LC1F5004	111075
1000 A	2 NO	LC1F6302	109240
1000 A	4 NO	LC1F6304	161445
1600 A	4 NO	LC1F7804	344530

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 21
- Power terminals may be protected by the addition of shrouds, to be ordered separately.

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

Coils F Model

Product compatibility	AC Coil Reference	Unit LP [₹]	DC Coil Reference ⁽²⁾	Unit LP [₹]
LC1F115, LC1F150	LX1FF*	3300	LX4FF**	7400
LC1F185, LC1F225	LX1FG*	4600	LX4FG**	9800
LC1F265, LC1F330	LX1FH*	5750	LX4FH**	12000
LC1F400	LX1FJ*	12200	LX4FJ**	19000
LC1F500	LX1FK*	14500	LX4FK**	19700
LC1F630/LC1F1250	LX1FL*	16200	LX4FL**	20400
LC1F800	¹	-	LX4F8**	27500
LC1F1000, LC1F1700, LC1F2100	LX1FK*(3)	On Request	-	-
LC1F2600	LX1FL*(3)	On Request	-	-

Please replace (*) with the Corresponding Control Voltage.

(1) Use rectifier with required DC coil (Ref: DR5TE4U) LP ₹ 9045/-

(2) Coil with suppressor fitted as standard.

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

Coil Voltage Code

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

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

Vacuum Contactors (3 Pole AC Control)

[Ie] Rated Operational Current		Motor Power		Auxiliary Contacts	Reference	Unit LP [₹]
AC1	AC3	kW	hP			
160 A	160 A	75	100	2 NO + 1 NC	LC1V160*	98285
320 A	320 A	160	213	1 NO + 1 NC	LC1V320*	131980
630 A	610 A	300	400	1 NO + 1 NC	LC1V610*	236730

* 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	For use with	Contacts	Reference	Unit LP [₹]	
Add On Blocks					
Additional instantaneous auxiliary contact blocks	LC1D09 ...LC1D150 & LC1F*	1 NO+1NC	LADN11	360	
		2 NO	LADN20		
		2 NC	LADN02	385	
		2 NO+2NC	LADN22	590	
		4 NC	LADN04	645	
		4 NO	LADN40	590	
		1 NO+3NC	LADN13		
		3 NO+1NC	LADN31		
		LC1D80..LC1D95 & LC1F*	1 NO	LADN10	205
			1 NC	LADN01	

Description	Contacts	Reference	Unit LP [₹]	
Add On Blocks				
Additional instantaneous auxiliary contact blocks	Side Mounted (1)	1 NO+1NC	LAD8N11	
		2 NO	LAD8N20	
Pneumatic timer blocks front mounted	ON delay	1 NO+1NC 0.1..3s	LADT0	
		1 NO+1NC 0.1..30s	LADT2	
		1 NO+1NC 10..180s	LADT4	
	OFF delay	1 NO+1NC 1..30s (2)	LADS2 <input checked="" type="checkbox"/>	2510
		1 NO+1NC 0.1 ..3s	LADR0	2350
		1 NO+1NC 0.1 ..30s	LADR2 <input checked="" type="checkbox"/>	
	1 NO+1NC 10..180s	LADR4		

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

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

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

For Use With Contactor	Reference	Unit LP [₹]
Mechanical Interlocks (1) - Horizontally Mounted		
LC1F115, LC1F150, LC1F1154, LC1F1504	LA9FF970	3110
LC1F185, LC1F1854, LC1F225, LC1F2254	LA9FG970	3605
LC1F265, LC1F330, LC1F400, LC1F500, LC1F2654, LC1F3304, LC1F4004, LC1F5004	LA9FJ970	4040
LC1F630, LC1F6304, LC1F800	LA9FL970	4485

(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"/>	16545
LC1F185, LC1F225	LA5FG431	23920
LC1F265	LA5FH431	31505
LC1F330, LC1F400	LA5F400803	38200
LC1F500	LA5F500803	49145
LC1F630	LA5F630803	78165
LC1F800	LA5F800803	98155

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

Description	For use with	110 V Reference	220 V Reference	Unit LP [₹]
Suppressor Blocks				
suppressor module clip on	All AC ratings	LA4FRCF	LA4FRCP	4195
suppressor bracket	For all LA4F	LA9D09981		430

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

Coils F Model

Product compatibility	AC Coil Reference	Unit MRP [₹]	DC Coil Reference (2)	Unit LP [₹]
LC1F115, LC1F150	LX1FF*	3300	LX4FF**	7400
LC1F185, LC1F225	LX1FG*	4600	LX4FG**	9800
LC1F265, LC1F330	LX1FH*	5750	LX4FH**	12000
LC1F400	LX1FJ*	12200	LX4FJ**	19000
LC1F500	LX1FK*	14500	LX4FK**	19700
LC1F630	LX1FL*	16200	LX4FL**	20400
LC1F780	LX1FX* (3)	38400	LX4FX** (3)	40335
LC1F800	(1)	-	LX4F8**	27500

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 ₹ 9045/-

(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 ₹ 190/- to the unit price of the respective standard coil.

Product compatibility	110V Reference	220/230V Reference	415/440V Reference	Unit LP [₹]
Hoisting Applications - AC Coils				
LC1F265, LC1F330	LX9FH1102	LX9FH2202	-	16430
LC1F400	LX9FJ925	LX9FJ931	LX9FJ937	20290
LC1F500	LX9FK925	LX9FK931	LX9FK937	On request
LC1F630	LX9FL924	LX9FL931	LX9FL936	24930

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 [₹]
Hoisting Applications - DC Coils					
LC1F400	LX9FJ918	LX9FJ926	LX9FJ932	LX9FJ938	24285
LC1F500	LX9FK918	LX9FK926	LX9FK932	LX9FK938	25975
LC1F630	LX9FL918	LX9FL926	LX9FL931	LX9FL937	24930

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 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	3120
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	10100
132...220 A	LR9F5371	12350
200...330 A	LR9F7375	12450
300...500 A	LR9F7379	16100
380...630 A	LR9F7381	17300

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	2930
		LR9-F7375, LR9-F7379, LR9-F7381	LA7F902	3945

Connection Accessories

LA7F busbar	LC1F115	LR9-F5369	LA7F401	1975
	LC1F225/265	LR9-F5371	LA7F403	2850
	LC1F225-400	LR9-F7375, LR9-F7379, LR9-F7381	LA7F404	3045
	LC1F500	LR9F7381	LA7F405	3605
	LC1F630/800	LR9-F7381	LA7F406	3850

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

☑ NORMAL STOCK ITEMS

W.E.F. December 29, 2016

Lineryg

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

Because Lineryg is:

Flexible



Safer



Reliable



Lineryg BZ
Power Busbars

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

Lineryg HK
"Hot Plug" Distribution

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

Lineryg FT
Device Feeders

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

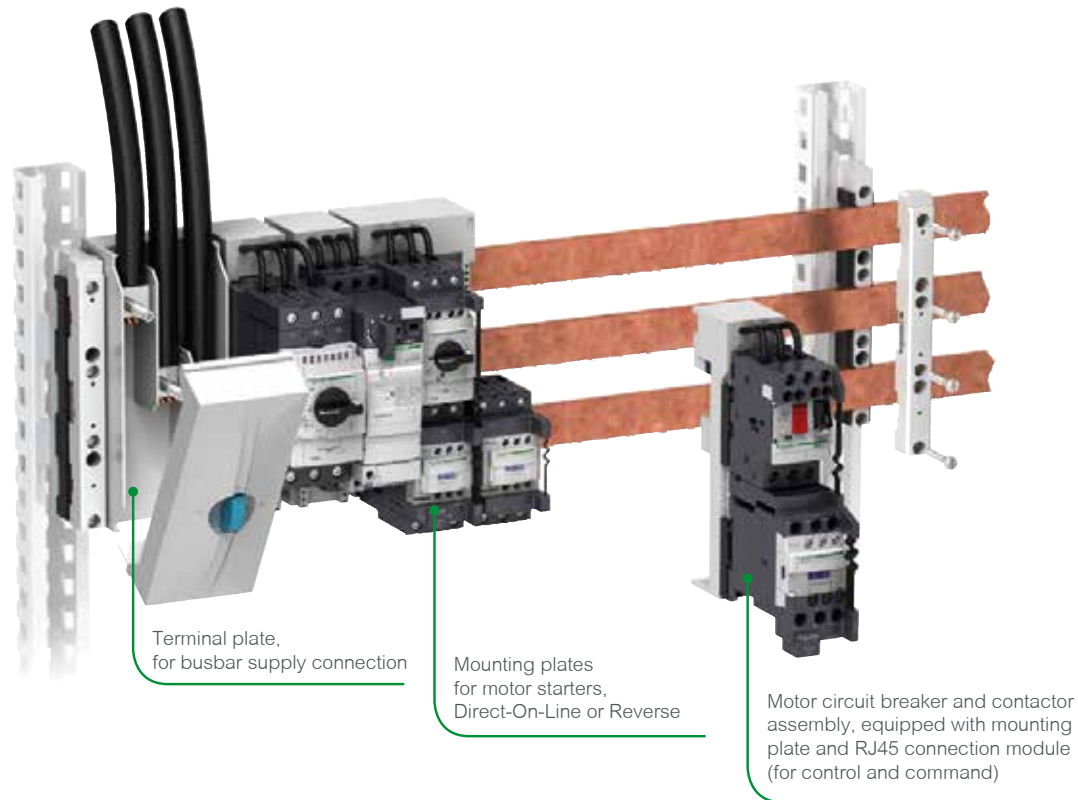
- > Quick Installation
- > Multi Standard Offer
- > Intuitive Solution

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

Linery BZ

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

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



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

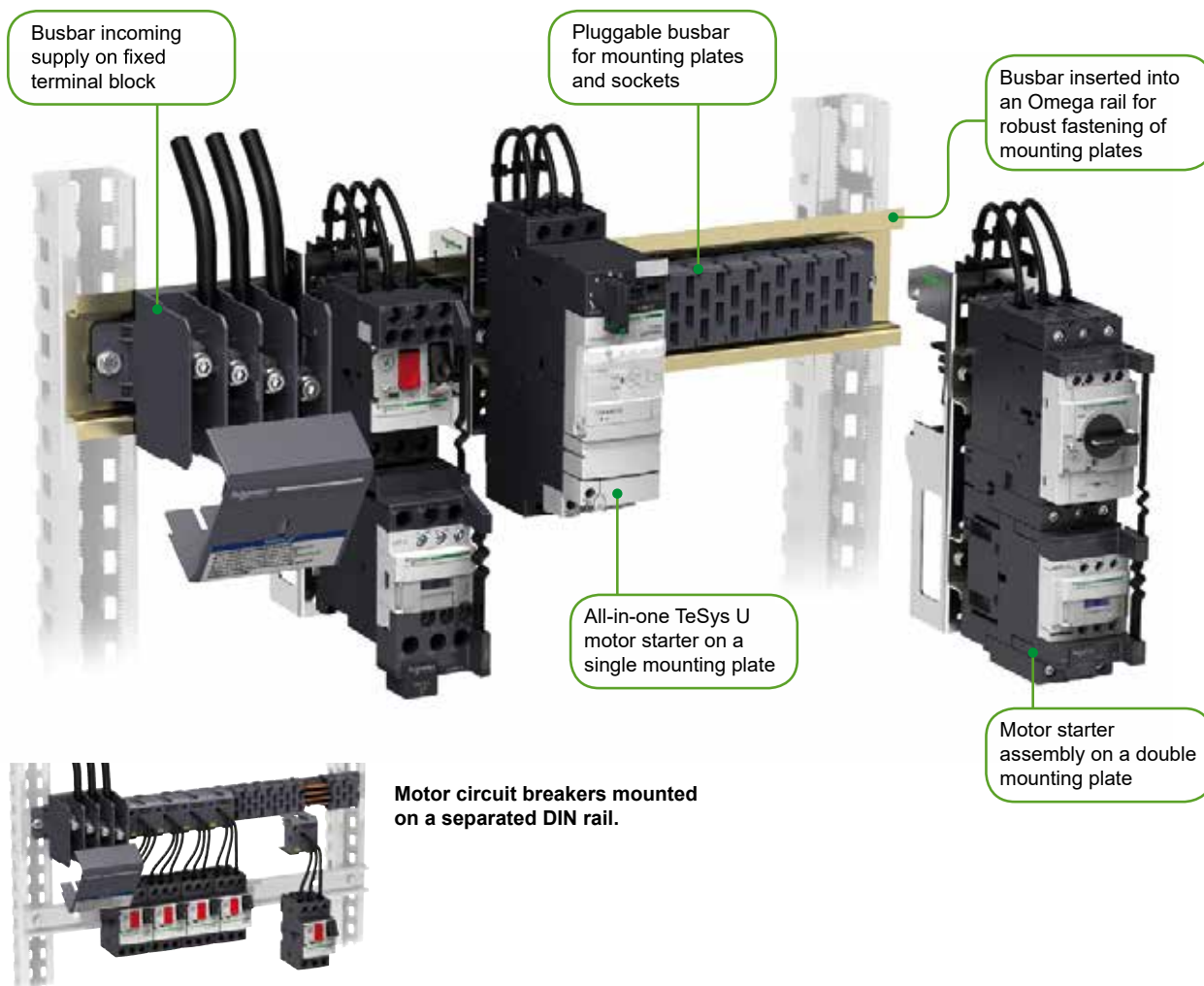
- ### Detailed view: back face of a motor starter mounting plate
- A reliable electrical contact is ensured by copper blades
 - The blue part locks the mounting plate on the busbar, compatibility is provided with standard profiles:
 - v Height 12, 15, 20, 25 or 30 mm,
 - v Width 5 or 10 mm



Lineryg HK

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

When compactness and continuity of service are required

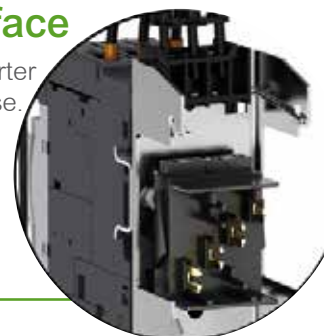


Advantages

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

Detailed view: mounting plate back face

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



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

Motor Circuit Breakers



- Conformance to IEC 60947 -1,-2,-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)

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**		Thermal Protection Adjustment Range	Reference	Unit LP [₹]	
	kW	hP				
100 kA	-	-	0.1 - 0.16	GV2ME01	3200	
	0.06	-	0.16 - 0.25	GV2ME02		
	0.09	-	0.25 - 0.40	GV2ME03		
	0.18	-	0.40 - 0.63	GV2ME04 ✓		
	3700	0.37	0.5	0.63 - 1.0	GV2ME05 ✓	
		0.55	0.75	1.0 - 1.6	GV2ME06 ✓	3750
		0.75	1	1.6 - 2.5	GV2ME07 ✓	
		1.1	2	2.5 - 4	GV2ME08 ✓	
3850	2.2	3	4 - 6.3	GV2ME10 ✓		
	3	5.5	6 - 10	GV2ME14 ✓		
	5.5	7.5	9 - 14	GV2ME16 ✓	4400	
	7.5	10	13 - 18	GV2ME20 ✓		
	9	12.5	17 - 23	GV2ME21 ✓	5000	
15 kA (1)	11	15	20 - 25	GV2ME22 ✓	5100	
	15	20	24 - 32	GV2ME32 ✓	8200	

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

GV2-P Model Thermal Magnetic - With Rotary Handle Control

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**		Thermal Protection Adjustment Range	Reference	Unit LP [₹]	
	kW	hP				
100 kA	-	-	0.1 - 0.16	GV2P01	3700	
	0.06	-	0.16 - 0.25	GV2P02		
	0.09	-	0.25 - 0.40	GV2P03		
	0.18	-	0.40 - 0.63	GV2P04		
	4050	0.37	0.5	0.63 - 1.0	GV2P05 ✓	
		0.55	0.75	1.0 - 1.6	GV2P06	
		0.75	1.0	1.6 - 2.5	GV2P07	
		1.1	2	2.5 - 4	GV2P08 ✓	4200
		2.2	3	4 - 6.3	GV2P10 ✓	
		3	5.5	6 - 10	GV2P14 ✓	4500
50 kA (2)	5.5	7.5	9 - 14	GV2P16 ✓	5250	
	7.5	10	13 - 18	GV2P20 ✓		
	9	12.5	17 - 23	GV2P21 ✓	6250	
	11	15	20 - 25	GV2P22 ✓		
35 kA (2)	15	20	24 - 32	GV2P32 ✓	10600	

GV3-P Range Thermal Magnetic - With Rotary Handle Control

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**	Thermal Protection Adjustment Range	Reference	Unit LP [₹]
50 kA	18.5	30...40 A	GV3P40 ✓	12500
	22	37...50 A	GV3P50 ✓	15000
	30	48...65 A	GV3P65 ✓	16000

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 ✓	14660
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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.

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

Motor Circuit Breakers



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

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

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

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**		Magnetic Protection Rating (A)	Reference	Unit LP [₹]	
	kW	hP				
100 kA	0.09	-	0.4	GV2LE03	3290	
	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	3770
		7.5	10	18	GV2LE20	
11		15	25	GV2LE22		
10 kA	15	20	32	GV2LE32	6475	

GV2-L Model Magnetic - With Rotary Handle Control *

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**		Magnetic Protection Rating (A)	Reference	Unit LP [₹]	
	kW	hP				
100 kA	0.09	-	0.4	GV2L03	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	6250
		7.5	10	18	GV2L20	
11		15	25	GV2L22		

GV3-L Range Magnetic - With Rotary Handle Control

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**	Thermal Protection Adjustment Range	Reference	Unit LP [₹]
50 kA	18.5	30...40 A	GV3L40	10470
	22	37...50 A	GV3L50	10700
	30	48...65 A	GV3L65	11060

* Conforming to IEC 60947-2-3-4

** 50/60Hz - 415 V

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

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

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

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**		Thermal Protection Adjustment Range	Reference	Unit LP [₹]
	kW	hP			
36 kA	45	60 - 100	GV7RE100	22850	
	75	90 - 150	GV7RE150	31370	
35 kA	110	132 - 220	GV7RE220	38560	
	18.5	25 - 40	GV7RS40	24720	
70 kA	22	30 - 50	GV7RS50	24720	
	37	48 - 80	GV7RS80 ✓	26450	
	45	60 - 100	GV7RS100	26450	
	75	90 - 150	GV7RS150	35545	
	110	132 - 220	GV7RS220	43585	

* Conforming to IEC 60947-2 for Type 2 coordination

** 50/60Hz - 415 V.

Accessories for Motor Circuit Breakers

Description	Reference	Unit LP [₹]	
For GV2			
Front contact NO or NC ⁽¹⁾	GVAE1	680	
Front contact NO + NC	GVAE11 <input checked="" type="checkbox"/>	835	
	GVAE20	915	
Side contact NO + NC	GVAN11 <input checked="" type="checkbox"/>	1010	
	GVAN20		
Fault signalling contact +1 NO contact ⁽²⁾	GVAE11010 <input checked="" type="checkbox"/>	1305	
Fault signalling contact +1 NC contact ⁽²⁾	GVAD1001		
Short circuit signalling contact block 1 C/O	GVAM11	1250	
Undervoltage trip :	110 ... 115V 50Hz	GVAU115	2320
	220 ... 240V 50Hz	GVAU225	
	380 ... 400V 50Hz	GVAU385	
Shunt trip :	110 ... 115V 50Hz	GVAS115	2405
	220 ... 240V 50Hz	GVAS225	
	380 ... 400V 50Hz	GVAS385	
Additive limiter for increasing breaking capacity to 100kA for GV2ME and GV2P.	GV1L3	3880	
Connection block - GV2 with contactor LC1-D09..D38	GV2AF3	465	
Connection block - LS1 D32 or GV2 with contactor LC1-K or LP1-K	GV2AF01	495	
Empty enclosure for GV2ME - plastic	GV2MP02	1735	
	GV2MC02	1905	

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

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

Busbars

Connection Pitch	No. of Tapoff Points	Reference	Unit LP [₹]
For GV2 Breakers			
45 mm	2	GV2G245	1020
	4	GV2G445	1610
	2	GV2G254	1195
54 mm	3	GV2G354	1355
	4	GV2G454	1700
	5	GV2G554	1835
72 mm	2	GV2G272	1440
	4	GV2G472	2065

Description	Reference	Unit LP [₹]
Accessories for Busbars		
Terminal block - to supply one or more 3-pole busbar GV2	GV2G05	2595
Protective end covers for unused busbar outlets	GV1G10	450
Terminal block for connection from top	GV1G09	1365

Accessories for Motor Circuit Breakers

Description	Reference	Unit LP [₹]
For GV3-M		
Auxiliary contact - 1 NO + 1 NC early-break	GV3A01	1100
Auxiliary contact - 2 NO early-break	GV3A02	
Under voltage release - 110 V AC 50Hz	GV3B11	3630
Under voltage release - 220 V AC 50Hz	GV3B22	
Under voltage release - 380 V AC 50Hz	GV3B38	
Shunt release - 110 V AC 50Hz	GV3D11	
Shunt release - 220 V AC 50Hz	GV3D22	
Shunt release - 380 V AC 50Hz	GV3D38	

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

Accessories for Motor Circuit Breakers

Description	Reference	Unit LP [₹]
For GV2-P/GV2-L		
External operator - IP54, Black	GV2APN01 <input checked="" type="checkbox"/>	2410
External operator - IP54, Yellow/Red	GV2APN02	4450
Visible isolation block - for motor circuit breaker GV2	GV2AK00	2020
For GV3P/GV3L		
Auxiliary Contacts		
Front contact: 1 NO (fault) + 1 NC (Auxiliary)	GVAED011	865
Front contact: 1 NO (fault) + 1 NO (Auxiliary)	GVAED101	955
Busbar		
3-pole, 3 tap, 64 mm pitch	GV3G364	970
S-shape bus bar	GV3S	730
External Operator		
IP54, Black	GV3APN01	2875
IP54, Yellow/Red	GV3APN02	2770

Note: All other accessories are same as of GV2

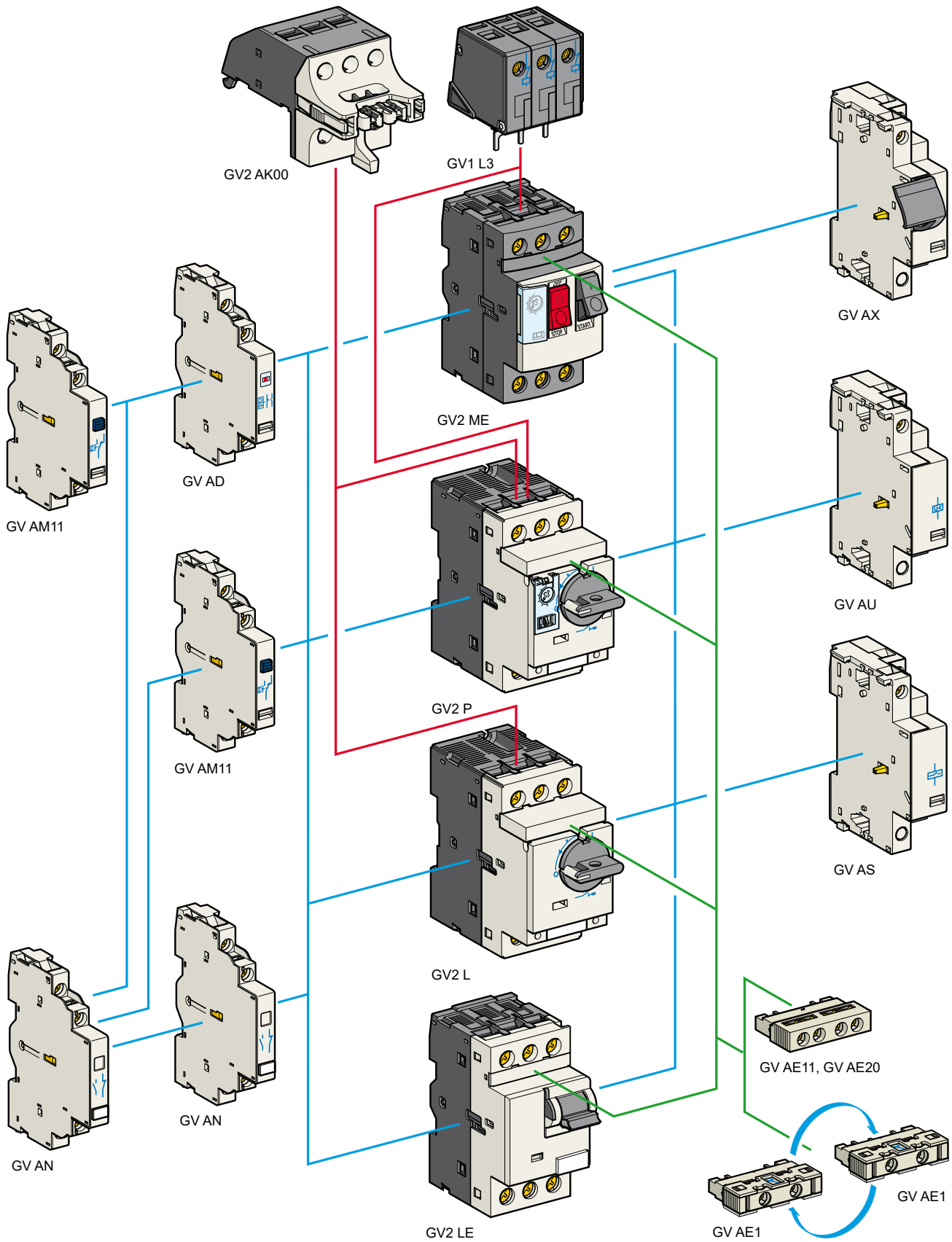
Description	Operating Voltage	Reference	Unit LP [₹]
For GV7			
Accessory for direct rotary handle mount on door ⁽²⁾	-	GV7AP05	1590
Auxiliary contact - 1 OC	-	GV7AE11 <input checked="" type="checkbox"/>	1550
Clip-on connector - upto 150 A - 1.5..95 mm ²	-	GV7AC021	630
Clip-on connector- upto 220 A - 1.5..185 mm ²	-	GV7AC022	600
Fault discrimination Device	24...72V DC/ 24...48V AC	GV7AD111	4575
	110 ... 240V AC/ DC	GV7AD112	4575
Front rotary handle		GV7AP03	2685
GV7AP GV7R - black handle ⁽²⁾	-	GV7AP01	4685
Padlocking device - 1..3 padlocks Ø 5.8mm shank ⁽³⁾	-	GV7V01	735
Phase barriers	-	GV7AC04	810
Terminal shields IP405 ⁽¹⁾	-	GV7AC01	1650

For GV7			
Shunt release	110...130 V AC 50/60 Hz	GV7AS107	3555
	200...240 V AC 50/60 Hz	GV7AS207	
	380...440 V AC 50/60 Hz	GV7AS387	3425
Under Voltage release	110...130 V AC 50/60 Hz	GV7AU107	3670
	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	1060

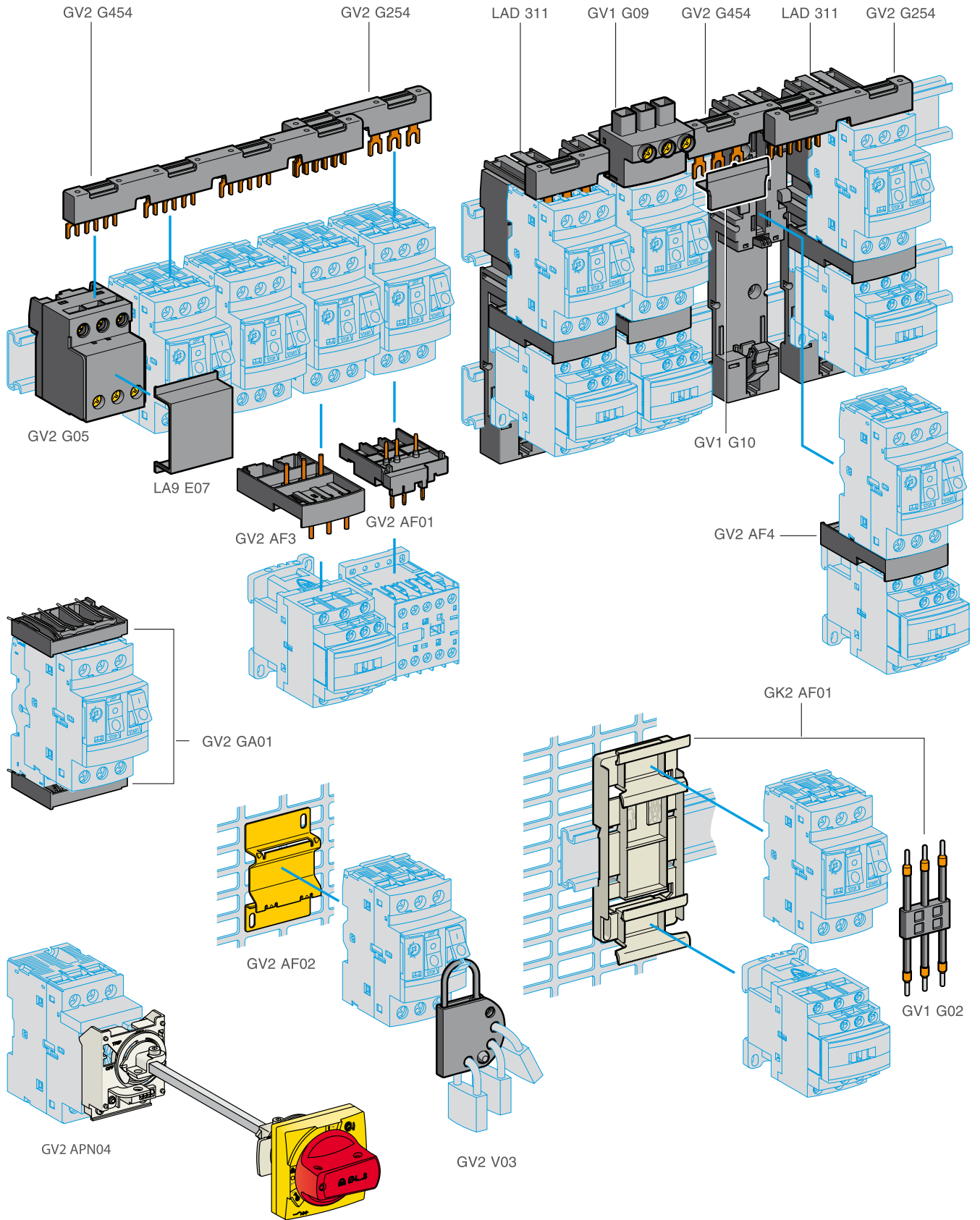
(1) Terminal shields cannot be used together with spreaders.

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

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



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



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

Vario Switch Disconnectors

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

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

10 A	3P	4 kW	VCF02GE	2365
16 A	3P	5.5 kW	VCF01GE	2575
20 A	3P	7.5 kW	VCF0GE	3130
25 A	3P	11 kW	VCF1GE	3365
32 A	3P	15 kW	VCF2GE	3940
50 A	3P	22 kW	VCF3GE	6100
63 A	3P	30 kW	VCF4GE	7140

* Rated Power at 415 V

** Ith in enclosure

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

12 - 40 A	4 Screw Fixing	IP65	KCF1PZ	510
63 - 80 A	4 Screw Fixing	IP65	KCF2PZ	540
125 - 175 A	4 Screw Fixing	IP40	KCF3PZ	2235

Vario Switch Disconnectors

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

• Suitable for Front Mounting or Base Mounting

12 A	3P	VCF02	1485
20 A	3P	VCF01	1615
25 A	3P	VCF0	1890
32 A	3P	VCF1	1975
40 A	3P	VCF2	2455
63 A	3P	VCF3	3850
80 A	3P	VCF4	4160
125 A	3P	VCF5	9555
175 A	3P	VCF6	11590

Switch Bodies

12 A	V02	960
20 A	V01	1115
25 A	V0	1335
32 A	V1	1610
40 A	V2	1975
63 A	V3	2765
80 A	V4	3630
125 A	V5	7370
175 A	V6	9400

Accessories

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

Main Pole Module	V02/VCF02	12 A	1P	-	-	VZ02	685
	V01/VCF01	20 A	1P	-	-	VZ01	705
	V0/VCF0	25 A	1P	-	-	VZ0	740
	V1/VCF1	32 A	1P	-	-	VZ1	730
	V2/VCF2	40 A	1P	-	-	VZ2	785
	V3/VCF3	63 A	1P	-	-	VZ3	1015
	V4/VCF4	80 A	1P	-	-	VZ4	1015
Neutral Pole Module ⁽²⁾	V02 / VCF02 to V2 / VCF2	-	1N	-	-	VZ11	840
	V3 / VCF3 to V4 / VCF4	-	1N	-	-	VZ12	1125
	V5 / VCZ5 to V6 / VCZ6	-	1N	-	-	VZ13	2330
Earthing Module	V02 / VCF02 to V2 / VCF20	-	-	-	-	VZ14	820
	V3 / VCF3 to V4 / VCF4	-	-	1	-	VZ15	970
	V5 / VCZ5 to V6 / VCZ6	-	-	1	-	VZ16	1525
Auxiliary Contact Block Module	V02/ VCF02 to V6 / VCZ6	-	-	-	1 NO + 1 NC	VZ7	860
	V2/ VCF02 to V6 / VCZ6	-	-	-	2 NO	VZ20	860

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

(2) With early make and late break contacts

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

Shaft extension - for Mini-VARIO and VARIO - V02..V2	V02...V2	VZ17	820
		VZ30	970
Shaft extension - for Mini-VARIO and VARIO - V3 V4 V5 V6	V3, V4, V5, V6	VZ18	970
		VZ31	1120
Door interlock plate	VZ17 / VZ30	KZ32	205
		VZ18/31	KZ74

Input Terminal Protection Shrouds

Terminal Shrouds	V02 - V2	VZ8	270
		VZ26	230
Terminal Shrouds	V3 - V4	VZ9	290
		VZ27	230
	V5 - V6	VZ10	370
		VZ28	410
Terminal Shrouds	V02 - V6	VZ29	270

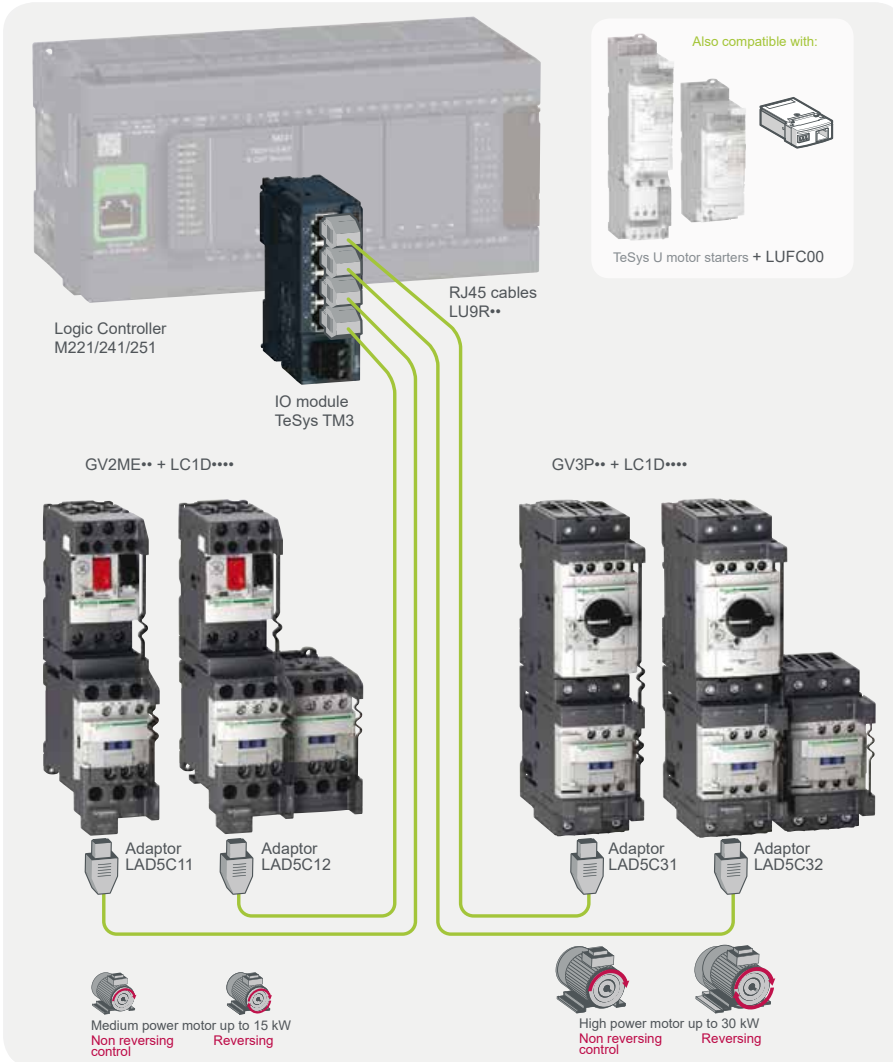
For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

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 1	Motor Circuit Breaker	GV2ME** OR GV2P**
2 2	Contactor 24V DC	LC1D**B* or LC2D**B*
3 3	Combination Block	GV2AF3
4 4	Auxiliary Contact	GVAE20
5 5	Connection Module	LAD5C11(DOL), LAD5C12(RDOL) LAD5C31(DOL), LAD5C32(RDOL)
Connection Cable		
6 6	Connection Cable**	LU9R**
IO Module		
7 7	IO Module	TM3XTYS4

Note:

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

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

Switching and Controlling is now SMART with TeSys Intelligence



Tesys U



Tesys T



Ethernet
Ready
Intelligent
Motor
Control



Your requirements



TeSys Intelligence

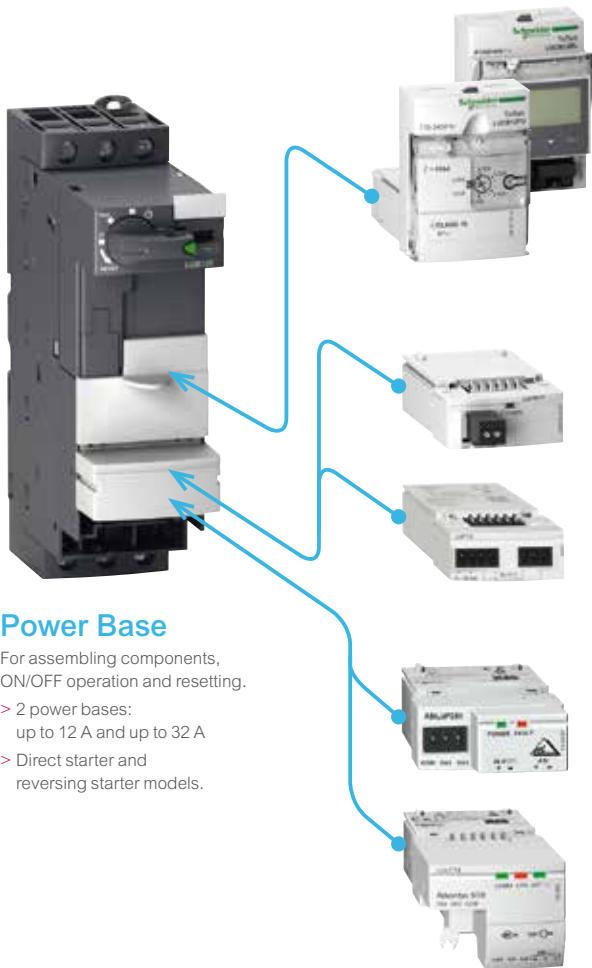


100% reliable

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.

If you look for more advanced functions

Let the TeSys U build the solution for you!



Power Base

For assembling components, ON/OFF operation and resetting.

- > 2 power bases: up to 12 A and up to 32 A
- > Direct starter and reversing starter models.

Control Unit

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

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

4 simple function modules

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

6 communication modules

- AS-Interface
- Profibus DP
- CANopen
- DeviceNet
- Advantys STB
- Modbus.

40 %

“TeSys solutions allow us to reduce the size of our enclosures by up to 40%”

says a panel builder from the water treatment sector

60 %

“Late customization means that we can build 60% of the panels, even though the project design has not yet been completed”

says an engineer in a food processing industry

Introducing Modbus TCP and EtherNet/IP for reliable control

TeSys T now combines industry-standard Modbus TCP and EtherNet/IP protocols into one package.



90+ years

TeSys T solutions are built on decades of proven leadership in motor management technology.

TeSys T with Modbus/TCP and EtherNet/IP brings responsive control and improved data integrity to any environment

New connectivity options bring new advantages

Ethernet is the perfect choice for fast and failure-resistant connectivity in industrial control networks. EtherNet/IP enables easier integration of a motor management system with PLCs and controllers, supporting your energy efficiency and production optimisation strategy.

TeSys T with Modbus TCP and EtherNet/IP gives you:

- > **Fast integration:** Significantly reduced configuration and testing time due to standard device profiles, preconfigured connections, and more
- > **Real-time exchange:** Enhanced bandwidth, Quality-of-Service message priority, and built-in web pages support data access, control, and other functions
- > **Superior reliability:** Rapid Spanning Tree Protocol (RSTP) for fast failure recovery, broadcast storm protection to prevent oversaturation of available network bandwidth
- > **Dual Ethernet ports:** Fast 100 Mbps peer-to-peer communication, simple daisy-chain connections, and support for redundant architectures
- > **Other Ethernet services:** Webpage (Java-free), Broadcast Storm Protection, Discovery, FDR, other

TeSys T Motor Management System - Controllers



- 0.4-810 Amps with inbuilt CTs up to 100 A
- 24V DC and 110 VAC Control Voltages available
- Base Module includes current measurement, ground fault, with 6 DI and 4 DO
- Expansion module includes voltage measurement and 4 DI
- Integrated Protection and Measurement functions
- Communication : Ethernet IP/Modbus TCP IP, Modbus/Profibus/CanOpen/DeviceNet
- Self Powered HMI with Fast Device Replacement

Description	Ethernet IP / Modbus TCP IP	Modbus	Profibus	CanOpen	DeviceNet	Unit LP [₹]
0.4 to 8A	LTMR08E*	LTMR08M*	LTMR08P*	LTMR08C*	LTMR08D*	On Request
1.35 to 27A	LTMR27E*	LTMR27M*	LTMR27P*	LTMR27C*	LTMR27D*	On Request
5 to 100A	LTMR100E*	LTMR100M*	LTMR100P*	LTMR100C*	LTMR100D*	On Request

Note: Above 100 Amps external CT required.

Voltage Expansion Module (4 DI)	LTMEV40*	On Request
HMI Display Module	LTMCUF	On Request

* Reference to be completed by adding coil voltage code

** 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
- 50kA Breaking capacity, can be increased upto 130kA with current limiter

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

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

Note: To make the complete unit you need to order base and any of the control units

* Reference to be completed by adding coil voltage code

** Coil Voltage Code

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

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

(2) DC voltage with maximum ripple of $\pm 10\%$.

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

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

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

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



Up to 75 % of space reduction

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

Long electrical durability

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

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

Easy Design

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

Easy to integrate

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

Standard version

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



Safety version

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

Standard Starter TeSys H

Motor Power @ 415VAC	Current range	Screw terminals	Unit LP [₹]	Spring terminals	Unit LP [₹]
KW			1 way (DOL)		
0.75	0,18...2,4A	LZ1H2X4**	On Request	LZ1H2X43**	On Request
3	1,5...6,5A	LZ1H6X5**	On Request	LZ1H6X53**	On Request
			2 ways (RDOL)		
0.75	0,18...2,4A	LZ2H2X4**	On Request	LZ2H2X43**	On Request
3	1,5...6,5A	LZ2H6X5**	On Request	LZ2H6X53**	On Request

Standard Starter TeSys H

Motor Power @ 415VAC	Current range	Screw terminals	Unit LP	Spring terminals	Unit LP [₹]
KW			1 way (DOL)		
0.75	0,18...2,4A	LZ7H2X4**	On Request	LZ7H2X43**	On Request
3	1,5...6,5A	LZ7H6X5**	On Request	LZ7H6X53**	On Request
			2 ways (RDOL)		
0.75	0,18...2,4A	LZ8H2X4**	On Request	LZ8H2X43**	On Request
3	1,5...6,5A	LZ8H6X5**	On Request	LZ8H6X53**	On Request

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

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*	2570
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*	2875
2		10TDL	MS11AC11*	
3		10TDL	MS11AC13*	

TDL, Automatic 3 Phase (0.05 - 125 HP)

0.05	0.16...0.25 A	5TDL	MS13AC01*	2455	
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		5TDL	MS13AC07*		
0.75	1...1.7 A	5TDL	MS13AC08*	2545	
1	1.6...2.5 A	5TDL	MS13AC09* ✓		
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* ✓		
10	12...18 A	10TDL	MS13AC16* ✓		2845
12.5	16...24 A	15TDL	MS13AC17*		4815
15		15TDL	MS13AC18* ✓		
17.5	23...32 A	20TDL	MS13AC19*	7845	
20		20TDL	MS13AC20*		
25	30...40 A	30TDL	MS13AC21*	12360	
30	37...50 A	30TDL	MS13AC22*		
40	48...65 A	40TDL	MS13AC24*		
50	63...80 A	50TDL	MS13AC26*		
75	84...135 A	75TDL	MS13AC28*		
100	124...198 A	100TDL	MS13AC29*		
125		125TDL	MS13AC30*		
					44475

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

3	4...6 A	10TRS	MS13RJ12*	7000
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*	11465
15		20TRS	MS13RJ18*	
17.5	23...32 A	20TRS	MS13RJ19*	12090
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*	8350
10	7...10 A	15TSDA	MS23AI16* ✓	8350
12.5	9...13 A	15TSDA	MS23AI17*	8470
15		15TSDA	MS23AI18* ✓	8470
20	12...18 A	30TSDA	MS23AI20* ✓	9625
25	16...24 A	30TSDA	MS23AI21* ✓	10930
30	23...32 A	30TSDA	MS23AI22* ✓	12640
35		40TSDA	MS23AI23*	20280
40	30...38 A	40TSDA	MS23AI24*	22335
50	37...50 A	50TSDA	MS23AI26*	27115
60		75TSDA	MS23AI27*	47050
75	45...65 A	75TSDA	MS23AI28*	50235
100	62...99 A	100TSDA	MS23AI29*	65380
125	84...135 A	125TSDA	MS23AI30*	67895
150		150TSDA	MS23AI31*	84500
200		124...198 A	200TSDA	MS23AI32*
250	174...279 A	250TSDA	MS23AI33*	129510
400	259...414 A	400TSDA	MS23AI34*	153800

*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	3680
0.8...1.2 A	0.37	LE1M35**06	4040
1.2...1.8 A	0.55	LE1M35**07	4090
1.8...2.6 A	0.75	LE1M35**08	4245
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	4090
8...11.5 A	4	LE1M35**16	
10...14 A	5.50	LE1M35**21	4505
12...16 A	7.50	LE1M35**22	4345

** Coil Voltage Code

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

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

✓ NORMAL STOCK ITEMS

W.E.F. December 29, 2016

Starters Spares

Spare Parts

Description	Lot Order Quantity	Reference	Unit MRP [₹]
For TDL, TRS & TSD/A Starters			
Pushbutton Actuator Assembly for 10/40/50/75/100/125 TDL	10	MSMC02	200
Pushbutton Switch Assembly for 10 TDL	10	MSMC03	410
Start Pushbutton Assembly for 40 - 400 TSDA	10	MSMI01	265
Stop Pushbutton Assembly for 40 - 400 TSDA	10	MSMI02	
9 Way Terminal Block for 15 TSDA	10	MSMI03	390
9 Way Terminal Block for 30 TSDA	10	MSMI04	
9 Way Terminal Block for 40 - 75 TSDA	10	MSMI05	940
Electronic Timer for 15 - 400 TSDA	10	MSMI06 <input checked="" type="checkbox"/>	1840
Pushbutton Actuator Assembly for 15/20/30 TDL, 10/20 TRS & 15/30 TSDA	10	MSMK01	440

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

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

Selection Chart:

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

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

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

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

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

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

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

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..



TeSys selection tools

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

Motor Starter Selection Guide App

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

App for iPad



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- Motor rated power up to 75 kW

App for iPad and iPhone



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