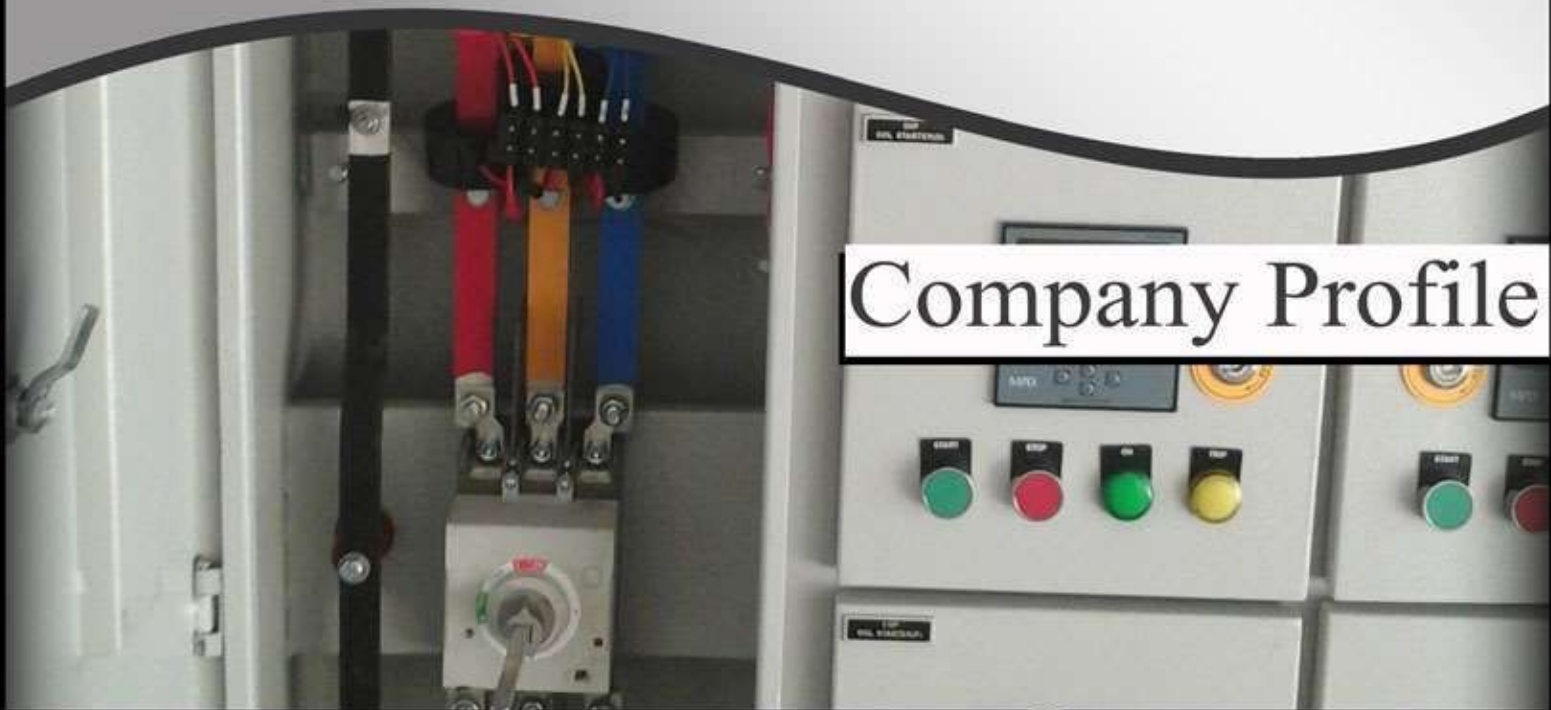


ALNICO CONTROL PANEL



Company Profile



Power



Control



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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		8150
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		
258...414 A	E300...E400	LRE487		
321...513 A	E500	LRE488		
394...630 A	E630	LRE489		

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"/>	
LC1E25...E300 LC1E2500*...LC1E9500*			LAEN40 <input checked="" type="checkbox"/>	420
			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	Thermal Protection Adjustment Range hP	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
	NO+NO	GZ1AN20
		730
		875

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

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

Safety

Protection

Energy efficiency

Reliable

Available

Schneider Electric

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TeSys

Innovative and intuitive solutions to protect, monitor and control

- Suitable for motor and power applications
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- 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

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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 <input checked="" type="checkbox"/>	330	
		2 NO	LADN20 <input checked="" type="checkbox"/>		
		2 NC	LADN02		
	Side Mounted ⁽¹⁾	2 NO+2NC	LADN22 <input checked="" type="checkbox"/>	555	
		4 NC	LADN04		
		4 NO	LADN40 <input checked="" type="checkbox"/>	555	
		1 NO+3NC	LADN13		
		3 NO+1NC	LADN31 <input checked="" type="checkbox"/>		
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 <input checked="" type="checkbox"/>	2170	
	OFF delay	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		
	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 [₹]
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

W.E.F. December 19, 2014

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	645
		50...127 V AC 200 Hz	RC Circuit AC	LAD4RCG	715
		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	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	740
		110...240 V AC 100 Hz	RC Circuit AC	LA4DA2U	1125
		380...415 V AC 150 Hz	RC Circuit AC	LA4DA2N	740
LC1D80...D95, LC2D80...D95, (3P) LC1D80, 4 poles LC2D80 (4P)		24...48 V DC	Varistor AC/DC	LA4DE3E	705
		110...250 V DC	Varistor AC/DC	LA4DE3U	

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	AC3 A	Motor Power (Normal Life) AC3 kW	hP	AC3 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 defectors, 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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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
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"Hot Plug" Distribution

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

Lineryg FT
Device Feeders

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- > 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	0.5	0.63 - 1.0	GV2ME05 ✓	3425
	0.55	0.75	1.0 - 1.6	GV2ME06 ✓	
	0.75	1	1.6 - 2.5	GV2ME07 ✓	3440
	1.1	2	2.5 - 4	GV2ME08 ✓	
15 kA ⁽¹⁾	2.2	3	4 - 6.3	GV2ME10 ✓	3530
	3	5.5	6 - 10	GV2ME14 ✓	
	5.5	7.5	9 - 14	GV2ME16 ✓	4105
	7.5	10	13 - 18	GV2ME20 ✓	
	9	12.5	17 - 23	GV2ME21 ✓	4845
	11	15	20 - 25	GV2ME22 ✓	
	15	20	24 - 32	GV2ME32 ✓	7920
	10 kA ⁽¹⁾				

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	0.5	0.63 - 1.0	GV2P05 ✓	3915
	0.55	0.75	1.0 - 1.6	GV2P06	
	0.75	1.0	1.6 - 2.5	GV2P07	4060
	1.1	2	2.5 - 4	GV2P08 ✓	
50 kA ⁽²⁾	2.2	3	4 - 6.3	GV2P10 ✓	4375
	3	5.5	6 - 10	GV2P14 ✓	
	5.5	7.5	9 - 14	GV2P16 ✓	4960
	7.5	10	13 - 18	GV2P20 ✓	
	9	12.5	17 - 23	GV2P21 ✓	6045
	11	15	20 - 25	GV2P22 ✓	
	15	20	24 - 32	GV2P32 ✓	10245
	35 kA ⁽²⁾				

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	
	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	GVAS115	2080
	220 ... 240V 50Hz	GVAS225	2080
	380 ... 400V 50Hz	GVAS385	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
	2	GV2G254	1030
54 mm	3	GV2G354	1170
	4	GV2G454	1470
	5	GV2G554	1585
72 mm	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

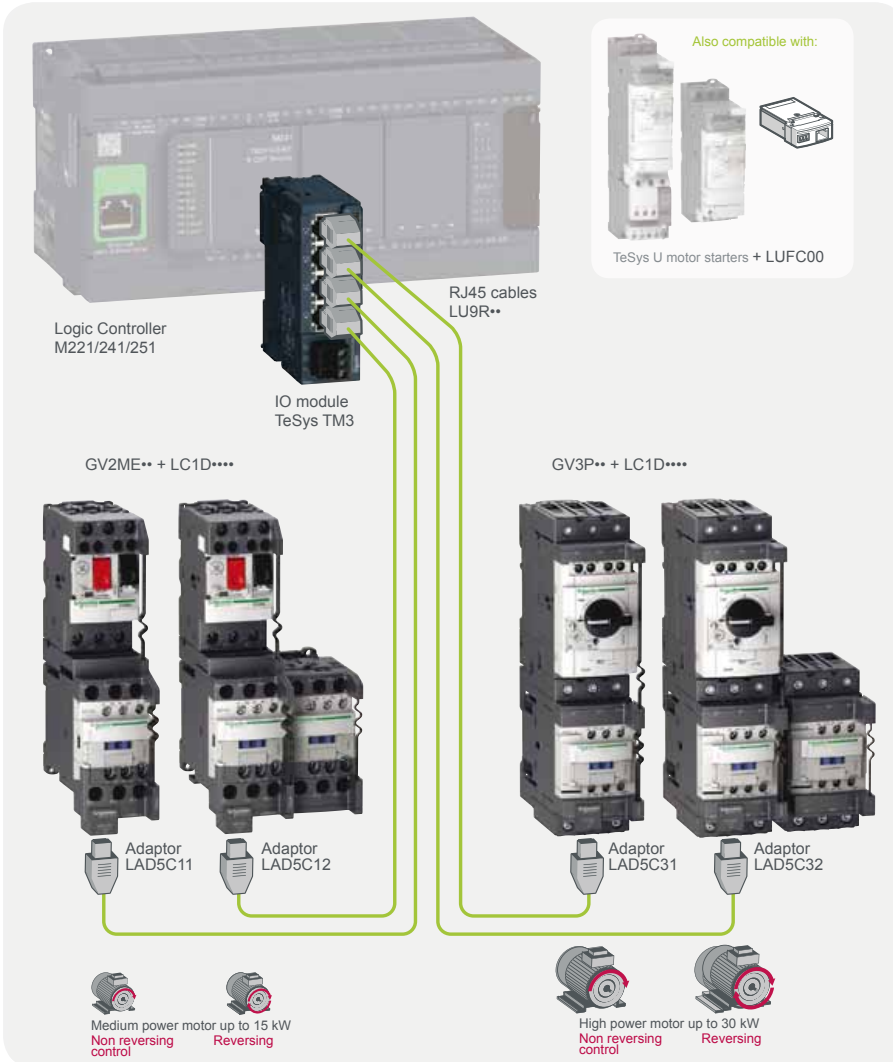
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NORMAL STOCK ITEMS

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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 %.

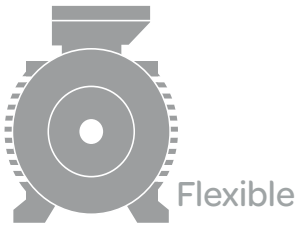
(3) DC: 48...72 V, AC: 48 V.

(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

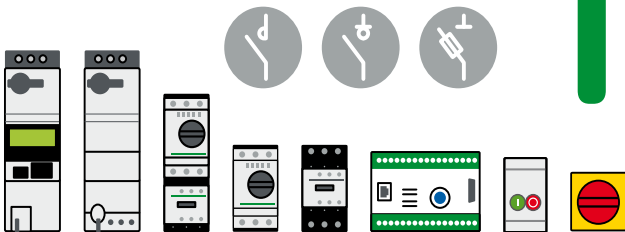


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TeSys®



be your drive

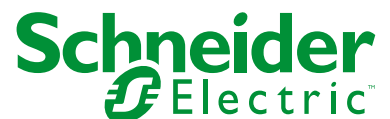
TeSys range: TeSys GV, TeSys GK, TeSys GS, TeSys DF, TeSys K, TeSys D, TeSys F, TeSys B, TeSys LR, TeSys LT, TeSys M, TeSys T, TeSys Vario, TeSys U, TeSys LE, TeSys LG

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*		
50	63...80 A	50TDL	MS13AC26*		
75	84...135 A	75TDL	MS13AC28*		
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	

** 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	
9 Way Terminal Block for 15 TSDA	10	MSMI03	325
9 Way Terminal Block for 30 TSDA	10	MSMI04	
9 Way Terminal Block for 40 - 75 TSDA	10	MSMI05	792
Electronic Timer for 15 - 400 TSDA	10	MSMI06 <input checked="" type="checkbox"/>	1557
Pushbutton Actuator Assembly for 15/20/30 TDL, 10/20 TRS &15/30 TSDA	10	MSMK01	369

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	Contactor
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	Contactor
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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Rajaji Road Cochin- 682035
Tel.: 0484-3048401

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

Customer Care Centre

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

 Price List

Industrial Automation Products

With effect from December 19, 2014



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Zelio Logic



Zelio 2 compact smart relay with display



Zelio 2 compact smart relay without display



Zelio 2 modular smart relay with display

Relays

Description	Reference	Unit MRP [₹]
Voltage 24V DC		
Zelio Logic module - 10 I O, RLY - w/o clock - with display	SR2A101BD <input checked="" type="checkbox"/>	10300
Zelio Logic module - 20 I O, RLY - w/o clock - with display	SR2A201BD <input checked="" type="checkbox"/>	16900
Zelio Logic module - 12 I O, TRN - with clock - with display	SR2B121BD <input checked="" type="checkbox"/>	8800
Zelio Logic module - 12 I O, TRN - with clock - with display	SR2B122BD	14300
Zelio Logic module - 20 I O, RLY - with clock - with display	SR2B201BD <input checked="" type="checkbox"/>	18300
Zelio Logic module - 20 I O, RLY - with clock - with display	SR2B202BD	19500
Zelio Logic module - 10 I O, RLY - w/o clock - w/o display	SR2D101BD <input checked="" type="checkbox"/>	6200
Zelio Logic module - 20 I O, RLY - w/o clock - w/o display	SR2D201BD <input checked="" type="checkbox"/>	15300
Zelio Logic module - 12 I O, RLY - with clock - w/o display	SR2E121BD	9700
Zelio Logic module - 20 I O, RLY - with clock - w/o display	SR2E201BD	17900
Zelio Logic module - 10 I O, RLY - with clock - with display	SR3B101BD	11200
Zelio Logic module - 10 I O, TRN - with clock - with display	SR3B102BD	10500
Zelio Logic module - 26 I O, RLY - with clock - with display	SR3B261BD <input checked="" type="checkbox"/>	23700
Zelio Logic module - 26 I O, TRN - with clock - with display	SR3B262BD	23100
Voltage 100-240V AC		
Zelio Logic module - 10 I O, RLY - w/o clock - with display	SR2A101FU <input checked="" type="checkbox"/>	11700
Zelio Logic module - 20 I O, RLY - w/o clock - with display	SR2A201FU <input checked="" type="checkbox"/>	17500
Zelio Logic module - 12 I O, RLY - with clock - with display	SR2B121FU <input checked="" type="checkbox"/>	11700
Zelio Logic module - 20 I O, RLY - with clock - with display	SR2B201FU <input checked="" type="checkbox"/>	19400
Zelio Logic module - 10 I O, RLY - w/o clock - w/o display	SR2D101FU	8400
Zelio Logic module - 20 I O, RLY - w/o clock - w/o display	SR2D201FU	17600
Zelio Logic module - 12 I O, RLY - with clock - w/o display	SR2E121FU	10500
Zelio Logic module - 20 I O, RLY - with clock - w/o display	SR2E201FU	19800
Zelio Logic module - 10 I O, RLY - with clock - with display	SR3B101FU	12800
Zelio Logic module - 26 I O, RLY - with clock - with display	SR3B261FU <input checked="" type="checkbox"/>	24200
Voltage 12V DC		
Zelio Logic module - 12 I O - with clock - with display	SR2B121JD	12100
Zelio Logic module - 20 I O - with clock - with display	SR2B201JD	15400
Voltage 24V AC		
Zelio Logic module - 12 I O - with clock - with display	SR2B121B	12100
Zelio Logic module - 20 I O - with clock - with display	SR2B201B	22900
Zelio Logic module - 20 I O - with clock - w/o display	SR2E201B	18000
Zelio Logic module - 10 I O - with clock - with display	SR3B101B	12400
Zelio Logic module - 24 I O - with clock - with display	SR3B261B	25500

Note: Zelio Smart Relays are also available in other voltages. Please contact our nearest Sales Office for the same.

Zelio Logic



I/O Extension module

I/O Extension modules

Description	Reference	Unit MRP [₹]
Discrete I/O extension module - 6 I O 4DI, 2DO - 24 V DC	SR3XT61BD	4800
Discrete I/O extension module - 6 I O 4DI, 2DO	SR3XT61FU	5000
Discrete I/O extension module - 10 I O 6DI, 4DO - 24 V DC	SR3XT101BD <input checked="" type="checkbox"/>	5000
Discrete I/O extension module - 10 I O 6DI, 4DO	SR3XT101FU	6300
Discrete I/O extension module - 14 I O 8DI, 6DO - 24 V AC	SR3XT141B	8600
Discrete I/O extension module - 14 I O 8DI, 6DO - 24 V DC	SR3XT141BD <input checked="" type="checkbox"/>	7000
Discrete I/O extension module - 14 I O 8DI, 6DO	SR3XT141FU	7300
Analogue I/O extension module - 2 AI/ 2AO	SR3XT43BD	11300

Accessories

Description	Reference	Unit MRP [₹]
SUB-D 9-pin PC connecting cable - 3 m	SR2CBL01 <input checked="" type="checkbox"/>	3200
SUB-D 9-pin modem connecting cable - 0.5 m	SR2CBL07 <input checked="" type="checkbox"/>	7200
Communication interface	SR2COM01	10400
Documentation - programming on the smart relay - EN	SR2MAN01EN	1700
Memory cartridge firmware - up to v 2.4 - EEPROM	SR2MEM01 <input checked="" type="checkbox"/>	1400
Memory cartridge firmware - for v 3.0 - EEPROM	SR2MEM02 <input checked="" type="checkbox"/>	1700
Modem interface - analog PSTN	SR2MOD01	45400
Modem interface - GSM	SR2MOD02	38500
Programming software "Zelio Soft 2" multilingual - CD-ROM	SR2SFT01	1700
USB PC connecting cable - 3 m	SR2USB01 <input checked="" type="checkbox"/>	8800

ABL2 - With CE Marking only

Input Voltage	Output Voltage	Power Supply Output Current	Rated Power In W	Reference	Unit MRP [₹]
180 - 264 VAC	24 V	1.5 A	35 W	ABL2REM24015H	1650
	24 V	2.2 A	50 W	ABL2REM24020H <input checked="" type="checkbox"/>	1800
	24 V	4.2 A	100 W	ABL2REM24045H <input checked="" type="checkbox"/>	3000
	24 V	6.5 A	150 W	ABL2REM24065H <input checked="" type="checkbox"/>	3800
	24 V	8.3 A	200 W	ABL2REM24085H	4800
	24 V	10.5 A	250 W	ABL2REM24100H <input checked="" type="checkbox"/>	5800
	24 V	14.6 A	350 W	ABL2REM24150H <input checked="" type="checkbox"/>	9600

ABL1 - Dedicated Range

Input Voltage	Output Voltage	Power Supply Output Current	Rated Power In W	Reference	Unit MRP [₹]
Without Anti-Harmonic Filter					
100...240 V AC	12 V DC	5 A	60 W	ABL1REM12050	3200
	24 V DC	2.5 A	60 W	ABL1REM24025 <input checked="" type="checkbox"/>	3000
		4.2 A	100 W	ABL1REM24042 <input checked="" type="checkbox"/>	4066
100...120 V AC	24 V DC	6.2 A	150 W	ABL1REM24062 <input checked="" type="checkbox"/>	4800
		10 A	240 W	ABL1REM24100 <input checked="" type="checkbox"/>	7950
With Anti-Harmonic Filter					
100...240 V AC	12 V DC	8.3 A	100 W	ABL1RPM12083	4708
	24 V DC	4.2 A	100 W	ABL1RPM24042 <input checked="" type="checkbox"/>	4800
100...120 V AC	24 V DC	6.2 A	150 W	ABL1RPM24062 <input checked="" type="checkbox"/>	6200
		10 A	240 W	ABL1RPM24100 <input checked="" type="checkbox"/>	9300

ABL8 Ranges

Input Voltage	Output Voltage	Power Supply Output Current	Rated Power In W	Reference	Unit MRP [₹]
Modular Range (without PFC, Automatic Reset)					
100...240 V AC	5 V DC	4 A	20 W	ABL8MEM05040	6100
	12 V DC	2 A	25 W	ABL8MEM12020	5400
Optimum Range (without PFC, Automatic or Manual Reset)					
100...240 V AC	24 V	3 A	72 W	ABL8REM24030	7000
	24 V	5 A	120 W	ABL8REM24050 <input checked="" type="checkbox"/>	10500
Universal Range (with PFC, Boost function, Diagnosis Contact, Automatic or Manual Reset)					
100...120 V single phase 200...500 V 2 phase	24 V	3 A	72 W	ABL8RPS24030	9202
	24 V	5 A	120 W	ABL8RPS24050	12100
	24 V	10 A	240 W	ABL8RPS24100	15000
100...120 V single phase 200...240 V	24 V	20 A	480 W	ABL8RPM24200 <input checked="" type="checkbox"/>	19500
		20 A	480 W	ABL8WPS24200	21293
380...500 V three phase	24 V	40 A	960 W	ABL8WPS24400	35000

Accessories

Description	Reference	Unit MRP [₹]
ABL 1		
Reversible mounting bracket - for regulated switch mode	ABL1A01	350
Mounting plate for 35 mm rail - for regulated switch mode	ABL1A02	350
Note: To be ordered in lot of 5.		
ABL 8 - Universal Range Accessories		
Battery Back-up module 20A	ABL8BBU24200	18000
Battery Back-up module 40A	ABL8BBU24400	24120
Battery pack 7 Ah	ABL8BPK24A07	12840
Buffer module 40A	ABL8BUF24400	17160
Protection module with two pole breaking	ABL8PRP24100	15000
Redundancy Module	ABL8RED24400	11400
Protection module with single pole breaking	ABL8PRE24100	10400

ABT7 - Economy Range (Single Winding)

Input Voltage	Output Voltage	Rated Power in VA	Reference	Unit MRP [₹]
Single phase 230V 40VA - 400VA 40° C				
230 V AC single phase ±15 V	24 V AC	40	ABT7ESM004B	5457
230 V AC single phase ±15 V	24 V AC	63	ABT7ESM006B	4173
230 V AC single phase ±15 V	24 V AC	100	ABT7ESM010B	4601
230 V AC single phase ±15 V	24 V AC	160	ABT7ESM016B	5885
230 V AC single phase ±15 V	24 V AC	250	ABT7ESM025B	7597
230 V AC single phase ±15 V	24 V AC	320	ABT7ESM032B	9416
230 V AC single phase ±15 V	24 V AC	400	ABT7ESM040B	9737

ABL6 - Optimum Range (Single Winding)

Input Voltage	Output Voltage	Rated Power in VA	Reference	Unit MRP [₹]
Single phase 230/400V 25VA - 2500VA 50° C				
230/400 V single phase ±15 V	24 V AC	25	ABL6TS02B	5303
230/400 V single phase ±15 V	24 V AC	40	ABL6TS04B	5460
230/400 V single phase ±15 V	24 V AC	63	ABL6TS06B	5565
230/400 V single phase ±15 V	24 V AC	100	ABL6TS10B	6195
230/400 V single phase ±15 V	24 V AC	160	ABL6TS16B	7035
230/400 V single phase ±15 V	24 V AC	250	ABL6TS25B	8505
230/400 V single phase ±15 V	24 V AC	400	ABL6TS40B	13650
230/400 V single phase ±15 V	24 V AC	630	ABL6TS63B	18040
230/400 V single phase ±15 V	24 V AC	1000	ABL6TS100B	24090
230/400 V single phase ±15 V	24 V AC	1600	ABL6TS160B	48930
230/400 V single phase ±15 V	24 V AC	2500	ABL6TS250B	76860
230/400 V single phase ±15 V	115 V AC	25	ABL6TS02G	5303
230/400 V single phase ±15 V	115 V AC	40	ABL6TS04G	5460
230/400 V single phase ±15 V	115 V AC	63	ABL6TS06G	5565
230/400 V single phase ±15 V	115 V AC	100	ABL6TS10G	5880
230/400 V single phase ±15 V	115 V AC	160	ABL6TS16G	7260
230/400 V single phase ±15 V	115 V AC	250	ABL6TS25G	8505
230/400 V single phase ±15 V	115 V AC	400	ABL6TS40G	13650
230/400 V single phase ±15 V	115 V AC	630	ABL6TS63G	18745
230/400 V single phase ±15 V	115 V AC	1000	ABL6TS100G	23000
230/400 V single phase ±15 V	115 V AC	1600	ABL6TS160G	35200
230/400 V single phase ±15 V	115 V AC	2500	ABL6TS250G	59584
230/400 V single phase ±15 V	230 V AC	25	ABL6TS02U	5303
230/400 V single phase ±15 V	230 V AC	40	ABL6TS04U	5460
230/400 V single phase ±15 V	230 V AC	63	ABL6TS06U	5565
230/400 V single phase ±15 V	230 V AC	100	ABL6TS10U	5880
230/400 V single phase ±15 V	230 V AC	160	ABL6TS16U	6930
230/400 V single phase ±15 V	230 V AC	250	ABL6TS25U	8505
230/400 V single phase ±15 V	230 V AC	400	ABL6TS40U	13650
230/400 V single phase ±15 V	230 V AC	630	ABL6TS63U	17115
230/400 V single phase ±15 V	230 V AC	1000	ABL6TS100U <input checked="" type="checkbox"/>	23000
230/400 V single phase ±15 V	230 V AC	1600	ABL6TS160U	34730
230/400 V single phase ±15 V	230 V AC	2500	ABL6TS250U	57270

ABT7 - Universal Range (Double Winding)

Input Voltage	Output Voltage	Rated Power in VA	Reference	Unit MRP [₹]
Single phase 230/400V 25VA - 2500VA 60° C				
230/400 V single phase ±15 V	24/48 V AC	40	ABT7PDU004B	5880
230/400 V single phase ±15 V	24/48 V AC	63	ABT7PDU006B	6195
230/400 V single phase ±15 V	24/48 V AC	250	ABT7PDU025B	11040
230/400 V single phase ±15 V	24/48 V AC	400	ABT7PDU040B	13090
230/400 V single phase ±15 V	24/48 V AC	630	ABT7PDU063B	20160
230/400 V single phase ±15 V	115/230 V AC	25	ABT7PDU002G	5670
230/400 V single phase ±15 V	115/230 V AC	40	ABT7PDU004G	5880
230/400 V single phase ±15 V	115/230 V AC	63	ABT7PDU006G	6195
230/400 V single phase ±15 V	115/230 V AC	100	ABT7PDU010G	6930
230/400 V single phase ±15 V	115/230 V AC	160	ABT7PDU016G	8190
230/400 V single phase ±15 V	115/230 V AC	250	ABT7PDU025G	10560
230/400 V single phase ±15 V	115/230 V AC	400	ABT7PDU040G	12495
230/400 V single phase ±15 V	115/230 V AC	630	ABT7PDU063G	20160
230/400 V single phase ±15 V	115/230 V AC	1000	ABT7PDU100G	24045
230/400 V single phase ±15 V	115/230 V AC	1600	ABT7PDU160G	39795
230/400 V single phase ±15 V	115/230 V AC	2500	ABT7PDU250G	58695
230/400 V single phase ±15 V	115/230 V AC	25	ABT7PDU002B	7140
230/400 V single phase ±15 V	115/230 V AC	100	ABT7PDU010B	6930
230/400 V single phase ±15 V	115/230 V AC	160	ABT7PDU016B	9555
230/400 V single phase ±15 V	115/230 V AC	1000	ABT7PDU100B	26335
230/400 V single phase ±15 V	115/230 V AC	1600	ABT7PDU160B	43585
230/400 V single phase ±15 V	115/230 V AC	2500	ABT7PDU250B	64285

Soft Starters



ATS01 Soft Start - Soft Stop Unit

[Us] Rated Supply Voltage	Network Number of Phases	Motor Power kW	Starting Time	[Ie] Rated Operational Current	Reference	List Price [₹]
380...415 V 50...60 Hz	3	1.5 kW/2.2 kW/3kW	Adjustable from 1 to 10 s	6 A	ATS01N206QN <input checked="" type="checkbox"/>	8900
		4 kW	Adjustable from 1 to 10 s	9 A	ATS01N209QN <input checked="" type="checkbox"/>	10300
		5.5 kW	Adjustable from 1 to 10 s	12 A	ATS01N212QN <input checked="" type="checkbox"/>	13000
		7.5 kW/11 kW	Adjustable from 1 to 10 s	22 A	ATS01N222QN <input checked="" type="checkbox"/>	16500
		15 kW	Adjustable from 1 to 10 s	32 A	ATS01N232QN <input checked="" type="checkbox"/>	23600

Note: Refer technical catalogue for correct selection as per duty cycle of your application or Contact Local sales /Customer Care Centre.



ATS48 High Performance Soft-Starter

Rated Current	Motor Power kW	Reference	List Price [₹]
17 A for standard applications 12 A for severe applications	7.5 kW 400 V for standard applications 5.5 kW 400 V for severe applications	ATS48D17Q	On Request
22 A for standard applications 17 A for severe applications	11 kW 400 V for standard applications 7.5 kW 400 V for severe applications	ATS48D22Q	On Request
32 A for standard applications 22 A for severe applications	15 kW 400 V for standard applications 11 kW 400 V for severe applications	ATS48D32Q <input checked="" type="checkbox"/>	On Request
38 A for standard applications 32 A for severe applications	18.5 kW 400 V for standard applications 15 kW 400 V for severe applications	ATS48D38Q	On Request
47 A for standard applications 38 A for severe applications	22 kW 400 V for standard applications 18.5 kW 400 V for severe applications	ATS48D47Q	On Request
62 A for standard applications 47 A for severe applications	30 kW 400 V for standard applications 22 kW 400 V for severe applications	ATS48D62Q	On Request
75 A for standard applications 62 A for severe applications	37 kW 400 V for standard applications 30 kW 400 V for severe applications	ATS48D75Q	On Request
88 A for standard applications 75 A for severe applications	45 kW 400 V for standard applications 37 kW 400 V for severe applications	ATS48D88Q <input checked="" type="checkbox"/>	On Request
110 A for standard applications 88 A for severe applications	55 kW 400 V for standard applications 45 kW 400 V for severe applications	ATS48C11Q <input checked="" type="checkbox"/>	On Request
140 A for standard applications 110 A for severe applications	75 kW 400 V for standard applications 55 kW 400 V for severe applications	ATS48C14Q <input checked="" type="checkbox"/>	On Request
170 A for standard applications 140 A for severe applications	90 kW 400 V for standard applications 75 kW 400 V for severe applications	ATS48C17Q <input checked="" type="checkbox"/>	On Request
210 A for standard applications 170 A for severe applications	110 kW 400 V for standard applications 90 kW 400 V for severe applications	ATS48C21Q <input checked="" type="checkbox"/>	On Request
250 A for standard applications 210 A for severe applications	132 kW 400 V for standard applications 110 kW 400 V for severe applications	ATS48C25Q <input checked="" type="checkbox"/>	On Request
320 A for standard applications 250 A for severe applications	160 kW 400 V for standard applications 132 kW 400 V for severe applications	ATS48C32Q <input checked="" type="checkbox"/>	On Request
410 A for standard applications 320 A for severe applications	220 kW 400 V for standard applications 160 kW 400 V for severe applications	ATS48C41Q <input checked="" type="checkbox"/>	On Request
480 A for standard applications 410 A for severe applications	250 kW 400 V for standard applications 220 kW 400 V for severe applications	ATS48C48Q <input checked="" type="checkbox"/>	On Request
590 A for standard applications 480 A for severe applications	315 kW 400 V for standard applications 250 kW 400 V for severe applications	ATS48C59Q	On Request
660 A for severe applications 590 A for standard applications	355 kW 400 V for standard applications 315 kW 400 V for severe applications	ATS48C66Q	On Request
790 A for standard applications 660 A for standard applications	400 kW 400 V for standard applications 355 kW 400 V for severe applications	ATS48C79Q <input checked="" type="checkbox"/>	On Request
1000 A for standard applications 790 A for severe applications	500 kW 400 V for standard applications 400 kW 400 V for severe applications	ATS48M10Q	On Request
1200 A for standard applications 1000 A for severe applications	630 kW 400 V for standard applications 500 kW 400 V for severe applications	ATS48M12Q	On Request

Note: Refer technical catalogue for correct selection as per duty cycle of your application or Contact Local sales /Customer Care Centre.

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

Variable Speed Drives



ATV12 Drive: Single Phase 230 Volts Input & 3 Phase 230 Volts Output Drive

KW Rating	HP Rating	Rated output Current @40°C	Reference	List Price [₹]
0.18	0.25	1.4	ATV12H018M2	8654
0.37	0.55	2.4	ATV12H037M2	10477
0.55	0.75	3.5	ATV12H055M2	11000
0.75	1	4.2	ATV12H075M2	12100
1.5	2	7.5	ATV12HU15M2	15400
2.2	3	10	ATV12HU22M2	21160



ATV303 Drive: Three Phase 440 Volts Input & 3 Phase 440 Volts Output Drive

KW Rating	HP Rating	Rated output Current @55°C	Reference	List Price [₹]
0.37	0.55	1.5	ATV303H037N4E	21466
0.75	1	2.3	ATV303H075N4E	23929
1.5	2	4.1	ATV303HU15N4E	26273
2.2	3	5.5	ATV303HU22N4E	31473
3	4	7.1	ATV303HU30N4E	38226
4	5	9.5	ATV303HU40N4E	38245
5.5	7.5	12.6	ATV303HU55N4E	48088
7.5	10	17	ATV303HU75N4E	57338
11	15	24	ATV303HD11N4E	78719

RSL Slim Interface Relays

Control Circuit Voltage	Reference	Unit MRP [₹]
Pre-assembled - 1C/O - 6 AMPS		
12 V DC	RSL1PVJU	1259
24 V DC	RSL1PVBU	1075
48 V DC	RSL1PVEU	1214
60 V DC	RSL1PVFU	1259
60 V DC	RSL1PVPU	1259
12 V DC	RSL1PRJU	1363
24 V DC	RSL1PRBU	1051
48 V DC	RSL1PREU	1389
60 V DC	RSL1PRFU	1389
60 V DC	RSL1PRPU	1389
For Customer Assembly		
Relay - 1C/O - 6 AMPS		
12 V DC	RSL1GB4JD	495
12 V DC	RSL1AB4JD	408
24 V DC	RSL1GB4BD	476
24 V DC	RSL1AB4BD	378
48 V DC	RSL1GB4ED	495
48 V DC	RSL1AB4ED	411
60 V DC	RSL1GB4ND	516
60 V DC	RSL1AB4ND	408

Accessories

Description	Reference	Unit MRP [₹]
Screw Connector		
For use with RSL1*B4JD/RSL1*B4BD 12V AC/DC & 24V AC/DC	RSLZVA1	806
For use with RSL1*B4ED/RSL1*B4ND 48V AC/DC & 60V AC/DC	RSLZVA2	660
For use with RSL1*B4ND - 110V AC/DC	RSLZVA3	660
For use with RSL1*B4ND - 230V AC/DC	RSLZVA4	660
Spring Terminal		
For use with RSL1*B4JD/RSL1*B4BD 12V AC/DC & 24V AC/DC	RSLZRA1	644
For use with RSL1*B4ED/RSL1*B4ND 48V AC/DC & 60V AC/DC	RSLZRA2	749
For use with RSL1*B4ND - 110V AC/DC	RSLZRA3	749
For use with RSL1*B4ND - 230V AC/DC	RSLZRA4	749
Clips And Legends		
Clip-in legends for sockets	RSLZ5	572
Bus Jumper for sockets	RSLZ2	199
Partition plate for sockets	RSLZ3	601

Note: Prices for RSB interface relays are available on request.

RXM Miniature Relays

Control Circuit Voltage	Reference	Unit MRP [₹]
Without Lockable Test Button without LED		
2 C/O - 5 AMPS		
12 V DC	RXM2LB1JD	342
24 V DC	RXM2LB1BD	330
48 V DC	RXM2LB1ED	362
24 V AC	RXM2LB1B7	342
120 V AC	RXM2LB1F7	342
230 V AC	RXM2LB1P7	330
4 C/O - 3 AMPS		
12 V DC	RXM4LB1JD	416
24 V DC	RXM4LB1BD	380
48 V DC	RXM4LB1ED	416
24 V AC	RXM4LB1B7	416
120 V AC	RXM4LB1F7	416
230 V AC	RXM4LB1P7	380
Without Lockable Test Button with LED		
2 C/O - 5 AMPS		
12 V DC	RXM2LB2JD	380
24 V DC	RXM2LB2BD <input checked="" type="checkbox"/>	345
48 V DC	RXM2LB2ED	380
24 V AC	RXM2LB2B7	380
120 V AC	RXM2LB2F7	380
230 V AC	RXM2LB2P7 <input checked="" type="checkbox"/>	345
36 V DC	RXM2LB2CD	380
110 V DC	RXM2LB2FD	380
4 C/O - 3 AMPS		
12 V DC	RXM4LB2JD	428
24 V DC	RXM4LB2BD <input checked="" type="checkbox"/>	399
48 V DC	RXM4LB2ED	428
24 V AC	RXM4LB2B7	428
120 V AC	RXM4LB2F7	428
230 V AC	RXM4LB2P7 <input checked="" type="checkbox"/>	399
12 V DC	RXM4LB2CD	428
36 V DC	RXM4LB2FD	428

Accessories

Description	Reference	Unit MRP [₹]
Sockets		
Sockets - mixed-screw clamp - relay type RXM2 (without lockable test button)	RXZE1M2C <input checked="" type="checkbox"/>	160
Sockets - mixed-screw clamp - relay type RXM2/RXM4 (without lockable test button)	RXZE1M4C <input checked="" type="checkbox"/>	205

RXM Miniature Relays

Control Circuit Voltage	Reference	Unit MRP [₹]
Without LED		
2 Change Over - 12 AMPS Contact Rating		
12 V DC	RXM2AB1JD	483
24 V AC	RXM2AB1B7	483
24 V DC	RXM2AB1BD <input checked="" type="checkbox"/>	465
48 V AC	RXM2AB1E7	483
48 V DC	RXM2AB1ED	483
110 V DC	RXM2AB1FD	483
120 V AC	RXM2AB1F7 <input checked="" type="checkbox"/>	483
230 V AC	RXM2AB1P7 <input checked="" type="checkbox"/>	465
3 Change Over - 10 AMPS Contact Rating		
12 V DC	RXM3AB1JD	658
24 V AC	RXM3AB1B7	712
24 V DC	RXM3AB1BD	657
48 V AC	RXM3AB1E7	803
48 V DC	RXM3AB1ED	813
110 V DC	RXM3AB1FD	813
120 V AC	RXM3AB1F7	678
230 V AC	RXM3AB1P7	678
4 Change Over - 6 AMPS Contact Rating		
12 V DC	RXM4AB1JD	590
24 V AC	RXM4AB1B7	590
24 V DC	RXM4AB1BD <input checked="" type="checkbox"/>	590
48 V AC	RXM4AB1E7	590
48 V DC	RXM4AB1ED	656
110 V DC	RXM4AB1FD	656
120 V AC	RXM4AB1F7 <input checked="" type="checkbox"/>	590
220 V DC	RXM4AB1MD	625
230 V AC	RXM4AB1P7 <input checked="" type="checkbox"/>	590
240 V AC	RXM4AB1U7	590
With LED		
2 Change Over - 12 AMPS Contact Rating		
12 V DC	RXM2AB2JD	504
24 V AC	RXM2AB2B7	504
24 V DC	RXM2AB2BD <input checked="" type="checkbox"/>	480
48 V AC	RXM2AB2E7	504
48 V DC	RXM2AB2ED	504
110 V DC	RXM2AB2FD	504
120 V AC	RXM2AB2F7 <input checked="" type="checkbox"/>	504
230 V AC	RXM2AB2P7 <input checked="" type="checkbox"/>	480
3 Change Over - 10 AMPS Contact Rating		
12 V DC	RXM3AB2JD	630
24 V AC	RXM3AB2B7	674
24 V DC	RXM3AB2BD	630
48 V AC	RXM3AB2E7	770
48 V DC	RXM3AB2ED	753
110 V DC	RXM3AB2FD	658
120 V AC	RXM3AB2F7	647
230 V AC	RXM3AB2P7	647
4 Change Over - 6 AMPS Contact Rating		
12 V DC	RXM4AB2JD	688
24 V AC	RXM4AB2B7	688
24 V DC	RXM4AB2BD <input checked="" type="checkbox"/>	650
48 V AC	RXM4AB2E7	688
48 V DC	RXM4AB2ED	688
110 V DC	RXM4AB2FD	688
120 V AC	RXM4AB2F7 <input checked="" type="checkbox"/>	688
125 V DC	RXM4AB2GD	688
230 V AC	RXM4AB2P7 <input checked="" type="checkbox"/>	650

RXM Miniature Relays

Control Circuit Voltage	Reference	Unit MRP [₹]
With Low Level Contact		
4 Change Over - 3 AMPS Contact Rating		
12 V DC	RXM4GB1JD	676
	RXM4GB2JD	719
24 V AC	RXM4GB1B7	676
	RXM4GB2B7	719
24 V DC	RXM4GB1BD	676
	RXM4GB2BD	719
48 V AC	RXM4GB1E7	676
	RXM4GB2E7	719
48 V DC	RXM4GB1ED	676
	RXM4GB2ED	719
110 V DC	RXM4GB1FD	676
	RXM4GB2FD	719
120 V AC	RXM4GB1F7	676
	RXM4GB2F7	719
230 V AC	RXM4GB2P7	719
	RXM4GB1P7	676
240 V AC	RXM4GB2U7	719

RXZ Miniature Relays

Description	Reference	Unit MRP [₹]
Accessories		
Sockets		
Socket for miniature relay - Zelio RXZ - with mixed contacts - connectors	RXZE2M114M <input checked="" type="checkbox"/>	225
Socket for miniature relay - Zelio RXZ - with mixed contacts - screw clamp	RXZE2M114 <input checked="" type="checkbox"/>	250
Socket for miniature relay - Zelio RXZ - with separate contacts - connectors	RXZE2S104M	272
	RXZE2S111M <input checked="" type="checkbox"/>	287
	RXZE2S114M	307
Protection Modules		
Diode		
Protection module - diode - 6..250V DC - for miniature relay socket RXZ	RXM040W	114
RC Circuit		
Protection module - RC circuit - 110..240 AC - for miniature relay socket RXZ	RXM041FU7	121
Protection module - RC circuit - 24..60 AC - for miniature relay socket RXZ	RXM041BN7	121
Varistor		
Protection module -Varistor - 24..60V AC/DC - for miniature relay socket RXZ	RXM021BN	147
Protection module -Varistor - 6..24V AC/DC - for miniature relay socket RXZ	RXM021RB	147
Protection module -Varistor -110..240 AC/DC - for miniature relay socket RXZ	RXM021FP	139
Clips and Legends		
Clip-in legends-for Sockets having Separate contact	RXZL420	17
Buss Jumper 2 Poles	RXZS2	22
Clip-in legends - for Zelio relay - set of 10	RXZL520	217
Maintaining clamp - For miniature relay socket RXZ - old range	RXZ200	44
Metal maintaining clamp - For miniature relay socket RXZ	RXZ400	40
Mounting adaptor for DIN rail - for miniature relay socket RXZ	RXZE2DA	58
Mounting adaptor with fixing lugs for panel - for miniature relay socket RXZ	RXZE2FA	58
Plastic maintaining clamp - For miniature relay socket RXZ	RXZR335	35

RPM Power Relays

Control Circuit Voltage	Reference	Unit MRP [₹]
Without LED		
1 Change Over - 15 AMPS Contact Rating		
12 V DC	RPM11JD	816
24 V AC	RPM11B7	816
24 V DC	RPM11BD	810
48 V AC	RPM11E7	816
48 V DC	RPM11ED	816
110 V DC	RPM11FD	816
120 V AC	RPM11F7	989
230 V AC	RPM11P7	901
2 Change Over - 15 AMPS Contact Rating		
12 V DC	RPM21JD	843
24 V AC	RPM21B7	843
24 V DC	RPM21BD	819
48 V AC	RPM21E7	843
48 V DC	RPM21ED	843
110 V DC	RPM21FD	843
120 V AC	RPM21F7	989
230 V AC	RPM21P7	843
3 Change Over - 15 AMPS Contact Rating		
12 V DC	RPM31JD	872
24 V AC	RPM31B7	914
24 V DC	RPM31BD	872
48 V AC	RPM31E7	872
48 V DC	RPM31ED	872
110 V DC	RPM31FD	872
120 V AC	RPM31F7	1029
230 V AC	RPM31P7	938
4 Change Over - 15 AMPS Contact Rating		
12 V DC	RPM41JD	914
24 V AC	RPM41B7	914
24 V DC	RPM41BD	910
48 V AC	RPM41E7	914
48 V DC	RPM41ED	887
110 V DC	RPM41FD	914
120 V AC	RPM41F7	1046
230 V AC	RPM41P7	914
With LED		
1 Change Over - 15 AMPS Contact Rating		
12 V DC	RPM12JD	860
24 V AC	RPM12B7	860
24 V DC	RPM12BD	577
48 V AC	RPM12E7	860
48 V DC	RPM12ED	860
110 V DC	RPM12FD	860
120 V AC	RPM12F7	1029
230 V AC	RPM12P7	938
2 Change Over - 15 AMPS Contact Rating		
12 V DC	RPM22JD	872
24 V AC	RPM22B7	872
24 V DC	RPM22BD	786
48 V AC	RPM22E7	872
48 V DC	RPM22ED	872
110 V DC	RPM22FD	872
120 V AC	RPM22F7	1029
230 V AC	RPM22P7	855

RPM Power Relays

Control Circuit Voltage	Reference	Unit MRP [₹]
3 Change Over - 15 AMPS Contact Rating		
12 V DC	RPM32JD	886
24 V AC	RPM32B7	886
24 V DC	RPM32BD	974
48 V AC	RPM32E7	886
48 V DC	RPM32ED	886
110 V DC	RPM32FD	886
120 V AC	RPM32F7	1046
230 V AC	RPM32P7	974
4 Change Over - 15 AMPS Contact Rating		
12 V DC	RPM42JD	944
24 V AC	RPM42B7	926
24 V DC	RPM42BD	946
48 V AC	RPM42E7	917
48 V DC	RPM42ED	944
110 V DC	RPM42FD	944
120 V AC	RPM42F7	1051
230 V AC	RPM42P7	946

RPZ Power Relays

Description	Reference	Unit MRP [₹]
Accessories		
Mixed Contact Socket		
	RPZF2	372
Socket for power relay - Zelio RPZ - with mixed contacts - screw clamp	RPZF1	382
	RPZF4	654
	RPZF3	658
Clips And Legends		
Metal maintaining clamp - for relay socket RPZF1	RPZR235	100
Mounting adaptor for DIN rail - for power relay socket RPZ	RPZ1DA	100
	RPZ3DA	100
	RPZ4DA	137
Mounting adaptor with fixing lugs for panel - for power relay socket RPZ	RPZ1FA	100
	RPZ3FA	100
	RPZ4FA	137

RPF Power Relays

Control Circuit Voltage	Reference	Unit MRP [₹]
N/O - 30 AMPS Contact Rating		
24 V DC	RPF2ABD	1533
120 V AC	RPF2AF7	1533
230 V AC	RPF2AP7	1460
Change Over - 30 AMPS Contact Rating		
12 V DC	RPF2BJD	1286
24 V AC	RPF2BB7	1286
24 V DC	RPF2BBD	1476
110 V DC	RPF2BFD	1286
120 V AC	RPF2BF7	1647
230 V AC	RPF2BP7	1519

Solid State Relays

Rated Current [A]	Input Voltage	Output Voltage	Reference	Unit MRP [₹]
1NO SPST Contact - Panel Mounting				
10 A	90...280 V AC	24...280 V AC	SSRPP8S10A1	2301
25 A	90...280 V AC	24...280 V AC	SSRPP8S25A1	2449
50 A	90...280 V AC	24...280 V AC	SSRPP8S50A1	2898
75 A	90...280 V AC	80...530 V AC	SSRPP8S75A2	4620
90 A	90...280 V AC	48...660 V AC	SSRPP8S90A3	5150
125 A	90...280 V AC	48...660 V AC	SSRPP8S125A3	6234
10 A	3...32 V DC	24...280 V AC	SSRPCDS10A1	2191
25 A	3...32 V DC	24...280 V AC	SSRPCDS25A1	2449
50 A	3...32 V DC	24...280 V AC	SSRPCDS50A1	2898
75 A	4...32 V DC	48...530 V AC	SSRPCDS75A2	4531
90 A	4...32 V DC	48...660 V AC	SSRPCDS90A3	5150
125 A	4...32 V DC	48...660 V AC	SSRPCDS125A3	5825
1NO SPST Contact - Din Rail Mounting				
10 A	90...280 V AC	24...280 V AC	SSRDP8S10A1	4293
20 A	90...280 V AC	24...280 V AC	SSRDP8S20A1	4905
30 A	90...280 V AC	24...280 V AC	SSRDP8S30A1	5825
45 A	90...140 V AC	24...280 V AC	SSRDF8S45A1	7969
10 A	4...32 V DC	24...280 V AC	SSRDCDS10A1	4422
20 A	4...32 V DC	24...280 V AC	SSRDCDS20A1	4905
30 A	4...32 V DC	24...280 V AC	SSRDCDS30A1	5825
45 A	3...32 V DC	24...280 V AC	SSRDCDS45A1	8529

Accessories

Description	Reference	Unit MRP [₹]
Solid State Relays Panel Mounting		
Heat sink - for use with panel mounted relays - SSRPP8S****/SSRPCDS****	SSRAH1	2814
Thermal Interface - for use with panel mounted relays - SSRPP8S****/SSRPCDS****	SSRAT1	1785

RE17 Electronic Timers 

Description	Reference	Unit MRP [₹]
On Delay Timer 24 240 Vac	RE17LAMW	1958
Off Delay Timer 24 240VAC	RE17LCBM	2334
Timer Function H Solid State Output 24 240VAC	RE17LHBM	2901
Flashing Timer	RE17LLBM	2384
Multi Functionion Timer	RE17LMBM	2360
Timer Function A at 1C O 24VAC DC 240VAC	RE17RAMU	1872
Timer Function B 1C O 24VAC DC 240VAC	RE17RBMU	2783
Timer Function C 1C O 24VAC DC 240VAC	RE17RCMU	1958
Timer Function H Ht 1C O 24VAC DC 240VAC	RE17RHMU	1958
Flashing Timer	RE17RLJU	2544
Timer Function L Li 1C O 24VAC DC 240VAC	RE17RLMU	2544
MultiFunction Timer 1C O 24VAC DC 240VAC	RE17RMEMU	2333
10 X MultiFunction Timer 1C O 12VAC DC	RE17RMJU	2408
MultiFunction Timer 1C O 24VAC DC 240VAC	RE17RMMU	2408
MultiFunction Timer 1C O 12 240VAC DC	RE17RMMW	2683
MultiFunction Timer 1C O 12 240VAC DC	RE17RMMWS	2807
MultiFunction Timer 1C O 24VAC DC 240VAC	RE17RMXMU	2943

RTC48 Temperature controller NEW

Description	Reference	Unit MRP [₹]
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Without Modbus, 1 Relay Output, 110/240 VAC	RTC48PUN1RNHU	6731
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Without Modbus, 1 Relay Output, 24 V AC/DC	RTC48PUN1RNLU	6794
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Without Modbus, 1 SSR Output, 110/240 VAC	RTC48PUN1SNHU	6644
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Without Modbus, 1 SSR Output, 24 V AC/DC	RTC48PUN1SNLU	6707
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Modbus, 1 Relay Output, 110/240 VAC	RTC48PUNCRNHU	8792
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Modbus, 1 Relay Output, 24 V AC/DC	RTC48PUNCRNLU	8792
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Modbus, 1 SSR Output, 110/240 VAC	RTC48PUNCSNHU	8768
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Modbus, 1 SSR Output, 24 V AC/DC	RTC48PUNCSNLU	8768
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Without Modbus, 2 Relay Output, 110/240 VAC	RTC48PUN1RRHU	6854
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Without Modbus, 2 Relay Output, 24 V AC/DC	RTC48PUN1RRLU	6917
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Without Modbus, 1 Relay Output, 1 SSR Output, 110/240 VAC	RTC48PUN1SRHU	6767
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Without Modbus, 1 Relay Output, 1 SSR Output, 24 V AC/DC	RTC48PUN1SRLU	6830
RTC Temperature controller, 48 x 48, Universal input, 2 Alarms, Without Modbus, 1 Relay Output, 110/240 VAC	RTC48PUN2RNHU	6854
RTC Temperature controller, 48 x 48, Universal input, 2 Alarms, Without Modbus, 1 Relay Output, 24 V AC/DC	RTC48PUN2RNLU	6917
RTC Temperature controller, 48 x 48, Universal input, 2 Alarms, Without Modbus, 1 SSR Output, 110/240 VAC	RTC48PUN2SNHU	6767
RTC Temperature controller, 48 x 48, Universal input, 2 Alarms, Without Modbus, 1 SSR Output, 24 V AC/DC	RTC48PUN2SNLU	6830
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Modbus, 2 Relay Output, 110/240 VAC	RTC48PUNCRRHU	9041
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Modbus, 2 Relay Output, 24 V AC/DC	RTC48PUNCRRLU	9041
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Modbus, 1 Relay Output, 1 SSR Output, 110/240 VAC	RTC48PUNCSRHU	9014
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Modbus, 1 Relay Output, 1 SSR Output, 24 V AC/DC	RTC48PUNCSRSLU	9014
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Without Modbus, 1 Relay Output, 1 SSR Output, 110/240 VAC	RTC48PUN1RSHU	7671
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Without Modbus, 1 Relay Output, 1 SSR Output, 24 V AC/DC	RTC48PUN1RSLU	7671
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Without Modbus, 2 SSR Output, 110/240 VAC	RTC48PUN1SSHU	7647
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Without Modbus, 2 SSR Output, 24 V AC/DC	RTC48PUN1SSLU	7647
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Modbus, 1 SSR Output, 1 Relay Output, 110/240 VAC	RTC48PUNCRSHU	9467
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Modbus, 1 SSR Output, 1 Relay Output, 24 V AC/DC	RTC48PUNCRSLU	9467
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Modbus, 2 SSR Output, 110/240 VAC	RTC48PUNCSSHU	9443
RTC Temperature controller, 48 x 48, Universal input, 1 Alarm, Modbus, 2 SSR Output, 24 V AC/DC	RTC48PUNCSSLU	9443
USB Cable	RTCCBL	9912
Terminal cover	RTCCOV	841
Spare parts pack with gasket, shunt resistor and mounting frame	RTCACC	3094

RM series Relay

Reference	Description	Unit MRP [₹]	
	Dual function Relay Phase sequence and Single Phase Preventer Relay 2 C/O relays 5 A	RM17TG20	2671
	Multi function relay with Single Phase Preventer ,Phase sequence, Phase unbalance and Over/undervoltage 1 C/O relay 5 A	RM17TE00	17131
	Multi function relay with Single Phase Preventer	RM17TA00	6563
	Over voltage and Under voltage Monitoring Relay	RM35UB330	9210
	Multi function relay with Motor temperature measurement, Single Phase Preventer and Phase sequence relay	RM35TM50MW	9162
	Multi function relay with Absence of neutral, Single Phase Preventer, Over voltage and Under voltage Monitoring. (120–277 V)	RM35UB3N30	7207
	Dual function Relay with Single Phase Preventer and Phase Reversal .	RM4TG20	4061
	Dual function Relay with Phase Reversal and Single Phase Preventer + Undervoltage 380–440 V 50/60 Hz	RM4TU02	5224
	Multi function relay with Phase Reversal , Single Phase Preventer ,Over voltage and Under voltage Monitoring Relay. (Rated Mains Supply Voltage, 400 V, (50/60 Hz)	RM4TR34	12566
	Star-delta timer , Function Qg (1 NO + 1 NC), 24 V AC/DC, 110...240 V AC, 42...48 V AC/DC	RE7YR12BU	4406
	Overvoltage or Undervoltage Detection 30–300 V and 50–500 V (Vac or Vdc), 2 C/O	RM4UA33MW	8708
	Overvoltage or Undervoltage Detection 1-100 V (Vac or Vdc) ,2 C/O	RM4UA32MW	8673
	Dual function Relay ,Single Phase Preventer (regeneration 70% Un) and sequence 1 C/O relay 5 A	RM17TT00	2691
	Dual function Single Phase Preventer ,Phae sequence and undervoltage 1 C/O relay 5 A	RM17TU00	5370
	Over/undervoltage between phases 1 C/O relay 5 A	RM17UB310	7518
	Multi function relay with Phase rotation , Single Phase Preventer and undervoltage 160...220 V, 2 C/O	RM4TU01	6995
	Multi function relay with Phase rotation ,Single Phase Preventer and overvoltage 160...220 V & undervoltage 220...300V, 2 C/O	RM4TR31	10709
	Multi function relay Phase rotation, Single Phase Preventer and overvoltage 300...430 V & undervoltage 420...480V, 2 C/O	RM4TR32	16583
	Multi function relay with Phase rotation, Single Phase Preventer and overvoltage 198 V & undervoltage 242V, 2 C/O	RM4TR33	8158
	Multi function relay with Phase rotation , Single Phase Preventer and overvoltage 360 V & undervoltage 440V, 2 C/O	RM4TR34	12566

Biometric Switch

Description	Reference	Unit MRP [₹]
Bistable biometric switch, 24 V DC - PNP - by 2m cable	XB5S1B2L2	28955
Bistable biometric switch, 24 V DC - PNP - by M12 connector	XB5S1B2M12	31312
Monostable biometric switch, 24 V DC - PNP - by 2m cable	XB5S2B2L2	29333
Monostable biometric switch, 24 V DC - PNP - by M12 connector	XB5S2B2M12	30455

Accessories

Description	Reference	Unit MRP [₹]
Protective cover, translucent & self adhesive	ZB5SZ70	721
Diameter 22 mm nut	ZB5SZ71	286
Legend plate 28X7 mm	ZBY0101T	135

Pushbuttons

Description	Type of Contact	Colour	Reference	Unit MRP [₹]	
Spring return					
Flush	NO	White	XB5AA11N <input checked="" type="checkbox"/>	136	
	NO	Black	XB5AA21N <input checked="" type="checkbox"/>	136	
	NO	Green	XB5AA31N <input checked="" type="checkbox"/>	136	
	NO	Yellow	XB5AA51N <input checked="" type="checkbox"/>	136	
	NO	Blue	XB5AA61N <input checked="" type="checkbox"/>	136	
	NC	Red	XB5AA42N <input checked="" type="checkbox"/>	136	
	NO	Red	XB5AA41N <input checked="" type="checkbox"/>	136	
	NO	Blank	XB5AA01N* <input checked="" type="checkbox"/>	136	
	Projecting	NO	White	XB5AL11N	165
		NO	Black	XB5AL21N	165
NO		Green	XB5AL31N <input checked="" type="checkbox"/>	165	
NO		Yellow	XB5AL51N	165	
NO		Blue	XB5AL61N	165	
NC		Red	XB5AL42N <input checked="" type="checkbox"/>	165	
NO		Red	XB5AL41N	165	
Flush with silicon transparent boot		NO	Black	XB5AP21N <input checked="" type="checkbox"/>	194
	NO	Green	XB5AP31N <input checked="" type="checkbox"/>	194	
	NO	Yellow	XB5AP51N <input checked="" type="checkbox"/>	194	
	NO	Blue	XB5AP61N	194	
Flush, marked (double molding /injection marking)	NC	Red	XB5AP42N <input checked="" type="checkbox"/>	194	
	NO	Green	XB5AA3311N	192	
	NC	Red	XB5AA4322N	192	
	NO	Green	XB5AA3331N <input checked="" type="checkbox"/>	192	
	NC	Red	XB5AA4342N <input checked="" type="checkbox"/>	192	
	NO	Green	XB5AA3411N	192	
Projecting, marked (double molding /injection marking)	NC	Red	XB5AL4342N	195	
	NC	Red	XB5AL4352N	195	
Flush, marked "I/O"	NO+NC	Green	XB5AL845N <input checked="" type="checkbox"/>	953	

*For flush and projecting pushbutton caps, see page <?>

Pilot lights

Description	Supply Voltage	Colour	Reference	Unit MRP [₹]
With smooth lens (except clear colour)				
Direct Integral LED	~ 24V	White	XB7EV01BPN <input checked="" type="checkbox"/>	220
		Green	XB7EV03BPN <input checked="" type="checkbox"/>	200
		Red	XB7EV04BPN <input checked="" type="checkbox"/>	200
		Yellow	XB7EV05BPN <input checked="" type="checkbox"/>	200
		Amber	XB7EV08BPN <input checked="" type="checkbox"/>	200
		Blue	XB7EV06BPN <input checked="" type="checkbox"/>	415
		Clear	XB7EV07BPN* <input checked="" type="checkbox"/>	200
	~ 120V	White	XB7EV01GPN <input checked="" type="checkbox"/>	220
		Green	XB7EV03GPN <input checked="" type="checkbox"/>	200
		Red	XB7EV04GPN <input checked="" type="checkbox"/>	200
		Yellow	XB7EV05GPN <input checked="" type="checkbox"/>	200
		Amber	XB7EV08GPN <input checked="" type="checkbox"/>	200
		Blue	XB7EV06GPN <input checked="" type="checkbox"/>	415
		Clear	XB7EV07GPN*	200
~ 230V	White	XB7EV01MPN <input checked="" type="checkbox"/>	220	
	Green	XB7EV03MPN <input checked="" type="checkbox"/>	200	
	Red	XB7EV04MPN <input checked="" type="checkbox"/>	200	
	Yellow	XB7EV05MPN <input checked="" type="checkbox"/>	200	
	Amber	XB7EV08MPN <input checked="" type="checkbox"/>	200	
	Blue	XB7EV06MPN <input checked="" type="checkbox"/>	415	
	Clear	XB7EV07MPN*	200	

* Clear type pilot lights are provided with striated lens.

Illuminated Pushbutton

Description	Type of Contact	Colour	Reference	Unit MRP [₹]
With smooth lens (except clear colour)				
Flush Integral LED ~ 24V	NO	White	XB5AW31B1N <input checked="" type="checkbox"/>	395
	NO	Green	XB5AW33B1N <input checked="" type="checkbox"/>	395
	NC	Red	XB5AW34B2N <input checked="" type="checkbox"/>	395
	NO	Yellow	XB5AW35B1N <input checked="" type="checkbox"/>	395
	NO	Amber	XB5AW38B1N <input checked="" type="checkbox"/>	440
	NO	Blue	XB5AW36B1N <input checked="" type="checkbox"/>	765
	NO	Clear	XB5AW37B1N*	765
Projecting Integral LED ~ 24V	NO	White	XB5AW11B1N	395
	NO	Green	XB5AW13B1N <input checked="" type="checkbox"/>	395
	NC	Red	XB5AW14B2N <input checked="" type="checkbox"/>	395
	NO	Yellow	XB5AW15B1N	390
	NO	Amber	XB5AW18B1N	395
	NO	Blue	XB5AW16B1N	750
	NO	Clear	XB5AW17B1N*	376
Push Integral LED ~ 24V	NO	White	XB5AH31B1N	529
	NO	Green	XB5AH33B1N	529
	NC	Red	XB5AH34B2N	529
	NO	Yellow	XB5AH35B1N	529
	NO	Amber	XB5AH38B1N	529
	NO	Blue	XB5AH36B1N	792
	NO	Clear	XB5AH37B1N*	529
Flush Integral LED ~ 110V	NO	White	XB5AW31G1N	490
	NO	Green	XB5AW33G1N <input checked="" type="checkbox"/>	490
	NC	Red	XB5AW34G2N <input checked="" type="checkbox"/>	490
	NO	Yellow	XB5AW35G1N	765
	NO	Amber	XB5AW38G1N	490
	NO	Blue	XB5AW36G1N	765
	NO	Clear	XB5AW37G1N*	850
Flush Integral LED ~ 230V	NO	White	XB5AW31M1N <input checked="" type="checkbox"/>	456
	NO	Green	XB5AW33M1N <input checked="" type="checkbox"/>	395
	NC	Red	XB5AW34M2N <input checked="" type="checkbox"/>	395
	NO	Yellow	XB5AW35M1N <input checked="" type="checkbox"/>	395
	NO	Amber	XB5AW38M1N <input checked="" type="checkbox"/>	440
	NO	Blue	XB5AW36M1N <input checked="" type="checkbox"/>	765
	NO	Clear	XB5AW37M1N*	850
Projecting Integral LED ~ 230V	NO	White	XB5AW11M1N	498
	NO	Green	XB5AW13M1N	395
	NC	Red	XB5AW14M2N	395
	NO	Yellow	XB5AW15M1N	395
	NO	Amber	XB5AW18M1N	395
	NO	Blue	XB5AW16M1N	750
	NO	Clear	XB5AW17M1N*	395
Push Integral LED ~ 230V	NO	White	XB5AH11M1N	579
	NO	Green	XB5AH13M1N <input checked="" type="checkbox"/>	529
	NC	Red	XB5AH14M2N <input checked="" type="checkbox"/>	529
	NO	Yellow	XB5AH15M1N	529
	NO	Amber	XB5AH18M1N	529
	NO	Blue	XB5AH16M1N	792
	NO	Clear	XB5AH17M1N*	529

* Clear type illuminated Push buttons are provided with striated lens.

Non-Illuminated Pushbutton

Description	Dia of Head	Type of Contact	Colour	Reference	Unit MRP [₹]
Mushroom Head					
40		NO	Black	XB5AC21N <input checked="" type="checkbox"/>	262
		NO	Green	XB5AC31N <input checked="" type="checkbox"/>	262
		NC	Red	XB5AC42N <input checked="" type="checkbox"/>	262
		NO	Red	XB5AC41N <input checked="" type="checkbox"/>	262
		NO	Yellow	XB5AC51N	262
		NO	Blue	XB5AC61N	262
Spring return		NO	Black	XB5AR21N	340
		NO	Green	XB5AR31N <input checked="" type="checkbox"/>	
		NC	Red	XB5AR42N	
		NO	Red	XB5AR41N	
		NO	Yellow	XB5AR51N	
		NO	Blue	XB5AR61N	
Turn to release	30	NC	Black	XB5AS422N	257
		NC	Red	XB5AS442N <input checked="" type="checkbox"/>	257
	40	NC	Black	XB5AS522N <input checked="" type="checkbox"/>	257
		NC	Red	XB5AS542N <input checked="" type="checkbox"/>	257
Key release (n°155)	40	NC	Red	XB5AS142N <input checked="" type="checkbox"/>	473
		NC	Red	XB5AS122N <input checked="" type="checkbox"/>	
Trigger action turn to release	40	NC+NO	Red	XB5AS8445N	560
Trigger action key to release	40	NO+NC	Red	XB5AS9445N	597
Trigger action key to release	40	NC	Red	XB5AS9442N	Price on Request

Illuminated Pushbutton with yellow LED

Description	Supply Voltage	Type of Contact	Reference	Unit MRP [₹]	
Double Headed Pushbuttons (Spring return)					
1 flush push (marked "I")	~ 24V	NO+NC	XB5AW84B5N <input checked="" type="checkbox"/>	965	
1 pilot light	~ 110V	NO+NC	XB5AW84G5N		
1 projecting push (marked "0")	~ 230V	NO+NC	XB5AW84M5N <input checked="" type="checkbox"/>		
Mushroom Head Pushbuttons (Illuminated)					
Turn to release	~ 24V	NC	Red	XB5AW74B2N <input checked="" type="checkbox"/>	495
	~ 230V-240V	NC	Red	XB5AW74M2N <input checked="" type="checkbox"/>	

Illuminated - Selector switch

Description	Type of Contact	Colour	Reference	Unit MRP [₹]
2 stay put ~ 24V	NO	White	XB5AK121B1N <input checked="" type="checkbox"/>	700
	NO	Green	XB5AK123B1N <input checked="" type="checkbox"/>	570
	NC	Red	XB5AK124B2N <input checked="" type="checkbox"/>	570
	NO	Yellow	XB5AK125B1N <input checked="" type="checkbox"/>	570
	NO	Blue	XB5AK126B1N	925
	2 spring return from right to left ~ 24V	NO	White	XB5AK141B1N
NO		Green	XB5AK143B1N	996
NC		Red	XB5AK144B2N	996
NO		Yellow	XB5AK145B1N	996
NO		Blue	XB5AK146B1N	1216
3 stay put ~ 24V		2NO	White	XB5AK131B3N
	2NO	Green	XB5AK133B3N <input checked="" type="checkbox"/>	598
	1NO+1NC	Red	XB5AK134B5N <input checked="" type="checkbox"/>	598
	2NO	Yellow	XB5AK135B3N	598
	2NO	Blue	XB5AK136B3N	1122
	3 spring return to centre ~ 24V	2NO	White	XB5AK151B3N
2NO		Green	XB5AK153B3N <input checked="" type="checkbox"/>	599
1NO+1NC		Red	XB5AK154B5N	882
2NO		Yellow	XB5AK155B3N	882
2NO		Blue	XB5AK156B3N	1320
2 stay put ~ 230V		NO	White	XB5AK121M1N <input checked="" type="checkbox"/>
	NO	Green	XB5AK123M1N <input checked="" type="checkbox"/>	570
	NC	Red	XB5AK124M2N <input checked="" type="checkbox"/>	570
	NO	Yellow	XB5AK125M1N <input checked="" type="checkbox"/>	570
	NO	Blue	XB5AK126M1N	925
	NO	White	XB5AK141M1N	996
2 spring return right to left ~ 230V	NO	Green	XB5AK143M1N	996
	NC	Red	XB5AK144M2N	996
	NO	Yellow	XB5AK145M1N	996
	NO	Blue	XB5AK146M1N	1216
	2NO	White	XB5AK131M3N	865
	2NO	Green	XB5AK133M3N <input checked="" type="checkbox"/>	598
3 stay put ~ 230V	1NO+1NC	Red	XB5AK134M5N <input checked="" type="checkbox"/>	598
	2NO	Yellow	XB5AK135M3N	598
	2NO	Blue	XB5AK136M3N	1122
	2NO	White	XB5AK151M3N	649
	2NO	Green	XB5AK153M3N <input checked="" type="checkbox"/>	599
	3 spring return to center ~ 230V	1NO+1NC	Red	XB5AK154M5N
2NO		Yellow	XB5AK155M3N <input checked="" type="checkbox"/>	882
2NO		Blue	XB5AK156M3N <input checked="" type="checkbox"/>	1320

Non Illuminated Selector switches & Key switches

Description	Type of Contact	Reference	Unit MRP [₹]
Standard handle black	2 stay put	1NO XB5AD21N <input checked="" type="checkbox"/>	332
	2 spring return, right to left	1NO XB5AD41N <input checked="" type="checkbox"/>	538
	3 stay put	2NO XB5AD33N <input checked="" type="checkbox"/>	362
	3 spring return to center	2NO XB5AD53N <input checked="" type="checkbox"/>	392
	3 spring return, left to center	2NO XB5AD73N <input checked="" type="checkbox"/>	402
	3 spring return, right to center	2NO XB5AD83N <input checked="" type="checkbox"/>	402
Long handle black	2 stay put	1NO XB5AJ21N <input checked="" type="checkbox"/>	333
	3 stay put	2NO XB5AJ33N <input checked="" type="checkbox"/>	373
	3 Spring return to center	2NO XB5AJ53N <input checked="" type="checkbox"/>	393
Key switch	2 stay put*	1NO XB5AG21N <input checked="" type="checkbox"/>	509
	2 stay put*	1NO XB5AG021N	581
	2 stay put*	1NO XB5AG41N	509
	2 spring return, right to left	1NO XB5AG61N	887
	3 stay put*	2NO XB5AG53N <input checked="" type="checkbox"/>	535
	3 stay put*	2NO XB5AG03N <input checked="" type="checkbox"/>	545
	3 stay put*	2NO XB5AG33N <input checked="" type="checkbox"/>	572
	3 spring return to center	2NO XB5AG73N <input checked="" type="checkbox"/>	835
	3 spring return, left to center	2NO XB5AG13N	572
	3 spring return, right to center	2NO XB5AG083N	735

* Please refer catalogue for Key withdrawal position

Accessories

Description	Legend Colour	Marking	Reference	Unit MRP [₹]
With blank legend (for engraving)	Black/Red bkgd.	Blank	ZBY2101N <input checked="" type="checkbox"/>	92
	White/Yellow bkgd.	Blank	ZBY4101N	
With 8 x 27 mm English language marked legend	Black or Red bkgd.	Inch	ZBY2321N	
		OFF	ZBY2312N	
		ON	ZBY2326N	
		Reset	ZBY2323N	
		Reverse	ZBY2306N	
Start	ZBY2303N			
Legends for emergency stop	Emergency stop	ON	ZBY9330N <input checked="" type="checkbox"/>	
Mushroom head pushbuttons	Yellow bkgd.		ZBY8330N	

Pushbutton caps (unmarked)

• For use with ZB5-AAON circular pushbutton heads supplied without caps

Type of Pushbutton caps	Colour	Reference	Unit MRP [₹]
Flush	White	ZBA1N	30
	Black	ZBA2N	30
	Red	ZBA4N	30
	Yellow	ZBA5N	30
	Blue	ZBA6N	30
	Set of 6 colours*	ZBA9N	55
Projecting	White	ZBL1N	57
	Black	ZBL2N	57
	Green	ZBL3N	57
	Red	ZBL4N	57
	Yellow	ZBL5N	57
	Blue	ZBL6N	57
	Set of 6 colors*	ZBL9N	57

Pushbutton caps (marked)

Type of Pushbutton caps	Text	Colour	Colour of Cap	Reference	Price [₹]
Projecting	STOP	White	Red	ZBL434N	92
	I	White	Green	ZBA331N	92
Flush (Double injection moulded marking)	START	White	Green	ZBA333N	92
	ON	White	Green	ZBA341N**	133
	STOP	White	Red	ZBA434N	92
	UP	Black	White	ZBA343N	133
	DOWN	White	Black	ZBA344N	133
	OFF	White	Red	ZBA434N	92

* Set of 6 colours white + black + green + red + yellow + blue

** Excluding ZBA-341N of double injection moulded marking

Accessories

Description	Application	Reference	Unit MRP [₹]
Plastic blanking plug, round black,	For Ø 22 control and signalling units with circular head	ZB5SZ3N <input checked="" type="checkbox"/>	92
Anti rotation plate,	Prevents head from rotation	ZB5AZ902N <input checked="" type="checkbox"/>	24
Fixing collar	To fix contacts or lights	ZB5AZ009N <input checked="" type="checkbox"/>	92
Fixing nut		ZB5AZ901N	24

Contact blocks with screw clamp terminal connections

Description	Type of Contact	Reference	Unit MRP [₹]
Standard single	1NO	ZBE101N <input checked="" type="checkbox"/>	76
Contact blocks	1NC	ZBE102N <input checked="" type="checkbox"/>	

Clear silicon boots

Description	Reference	Unit MRP [₹]
Boot for cylindrical flush PB	ZBPAN <input checked="" type="checkbox"/>	50
Boot for cylindrical projecting PB	ZBPON	50
Boot for double head illuminated PB and non-illuminated PB	ZBW008N	92

Light block with screw clamp terminal connections

Description	Supply Voltage	Colour of Light source	Reference	Unit MRP [₹]
Integral LED	~ 24V	White	ZBVB1N	245
		Green	ZBVB3N <input checked="" type="checkbox"/>	245
		Red	ZBVB4N	245
		Yellow	ZBVB5SN	245
		Amber	ZBVB8N	245
		Blue	ZBVB6N	650
	~ 110V	White	ZBVG1N	315
		Green	ZBVG3N	315
		Red	ZBVG4N	315
		Yellow	ZBVG5SN	835
		Amber	ZBVG8N	315
		Blue	ZBVG6N	656
	~ 220V	White	ZBVM1N	385
		Green	ZBVM3N <input checked="" type="checkbox"/>	245
		Red	ZBVM4N <input checked="" type="checkbox"/>	245
		Yellow	ZBVM5SN	245
		Amber	ZBVM8N	245
		Blue	ZBVM6N	656
Direct bulb holder without resistance	≈ 130V	-	ZBV6N	150

ZAL Bodies for LED Pilot light (for mounting on metal plate at back of enclosure)

Description	Colour	Reference	Unit MRP [₹]
≈ 24V	White	ZALVB1	488
	Green	ZALVB3	488
	Red	ZALVB4	488
	Yellow	ZALVB5	488
	Blue	ZALVB6	531
~ 120V	White	ZALVG1	688
	Green	ZALVG3	709
	Red	ZALVG4	554
	Yellow	ZALVG5	615
	Blue	ZALVG6	615
~ 220V	White	ZALVM1	655
	Green	ZALVM3	879
	Red	ZALVM4	744
	Yellow	ZALVM5	676
	Blue	ZALVM6	697
≈ 24V	White	ZBVB1	435
	Green	ZBVB3	335
	Red	ZBVB4	335
	Yellow	ZBVB5	326
	Blue	ZBVB6	423
~ 120V	White	ZBVG1	972
	Green	ZBVG3	443
	Red	ZBVG4	540
	Yellow	ZBVG5	523
	Blue	ZBVG6	989
~ 220V	White	ZBVM1	995
	Green	ZBVM3	423
	Red	ZBVM4	423
	Yellow	ZBVM5	430
	Blue	ZBVM6	517

XAL - Empty enclosures for XB5 and XB4 Push button and Pilot light

Description	No. of ways	Color of Enclosure	Reference	Unit MRP [₹]
For normal environment Light grey base IP65	1	Dark grey	XALD01 <input checked="" type="checkbox"/>	551
	2	Dark grey	XALD02 <input checked="" type="checkbox"/>	682
	3	Dark grey	XALD03	830
	4	Dark grey	XALD04 <input checked="" type="checkbox"/>	1135
	5	Dark grey	XALD05	1482
	1	Yellow	XALK01 <input checked="" type="checkbox"/>	602

ZEN - Contact block for mounting on Metal plate at back of enclosure

Description	Contacts Type and Composition	Reference	Unit MRP [₹]
Standard single	1 NO	ZENL1111 <input checked="" type="checkbox"/>	291
Contact block	1 NC	ZENL1121 <input checked="" type="checkbox"/>	

XVB-C Illuminated Lens Units

Description	Light Block Colour	Reference	Unit MRP [₹]
Lens unit - steady light - 250 V 10 W	Green	XVBC33	2101
	Red	XVBC34	2142
	Orange	XVBC35 <input checked="" type="checkbox"/>	2142
	Blue	XVBC36	2101
	Clear	XVBC37	2142
	Yellow	XVBC38	2101
Lens unit - flashing light - 24..48 V DC 24 V AC	Green	XVBC4B3	5812
	Red	XVBC4B4	5812
	Orange	XVBC4B5	5812
	Blue	XVBC4B6	5812
	Clear	XVBC4B7	5812
	Yellow	XVBC4B8	5709
Lens unit - flashing light - 48..230 V AC	Green	XVBC4M3	5643
	Red	XVBC4M4	5937
	Orange	XVBC4M5	5812
	Blue	XVBC4M6	5925
	Clear	XVBC4M7	5643
	Yellow	XVBC4M8	5643
Lens unit - steady light - 24 V AC DC	Green	XVBC2B3	4712
	Red	XVBC2B4	4712
	Orange	XVBC2B5	4712
	Blue	XVBC2B6	6080
	Clear	XVBC2B7	6080
	Yellow	XVBC2B8	4623
Lens unit - steady light - 120 V AC	Green	XVBC2G3	4488
	Red	XVBC2G4	4623
	Orange	XVBC2G5	4668
	Blue	XVBC2G6	5790
	Clear	XVBC2G7	5790
	Yellow	XVBC2G8	4690
Lens unit - steady light - 230 V AC	Green	XVBC2M3	4623
	Red	XVBC2M4	4623
	Orange	XVBC2M5	4623
	Blue	XVBC2M6	6228
	Clear	XVBC2M7	5931
	Yellow	XVBC2M8	4890
Lens unit - flashing light - 24 V AC DC	Green	XVBC5B3	8067
	Red	XVBC5B4	7823
	Orange	XVBC5B5	8135
	Blue	XVBC5B6	9860
	Clear	XVBC5B7	6493
	Yellow	XVBC5B8	7777
Lens unit - flashing light - 120 V AC	Green	XVBC5G3	8066
	Red	XVBC5G4	8058
	Orange	XVBC5G5	7912
	Blue	XVBC5G6	9822
	Clear	XVBC5G7	9354
	Yellow	XVBC5G8	8027
Lens unit - flashing light - 230 V AC	Red	XVBC5M4	7980
	Orange	XVBC5M5	8058
	Blue	XVBC5M6	10052
	Clear	XVBC5M7	9354
	Yellow	XVBC5M8	8058
	Flashing unit - integral LED - 230..240 V AC	Green	XVBC5M3

XVB Units

Description	Reference	Unit MRP [₹]
XVB Audible Signalling Unit		
Sound unit - continuous or intermittent buzzer - 75..90 dB - 12..48 V AC DC	XVBC9B <input checked="" type="checkbox"/>	6570
Sound unit - continuous or intermittent buzzer - 75..90 dB - 120..230 V AC	XVBC9M	11044
XVB Base Unit + Cover		
Base unit + cover for bank XVB - without flash discharge tube - black - IP 65	XVBC21 <input checked="" type="checkbox"/>	2971
XVB Accessories		
Fixing base on vertical surface - zamak black - XVB	XVBC12	1800
Lateral cable entry kit with Pg 13.5 cable gland - XVB	XVBC14	391
Set of coloured indicator pins - 6 colors - XVB	XVBC22	324
Support tube + fixing base l=400 mm - aluminium black - XVB	XVBZ03	2473
Support tube + fixing base l=80 mm - aluminium black - XVB	XVBZ02	1868
Support tube + fixing base l=800 mm - aluminium black - XVB	XVBZ04	3682
Support tube with fixing base l=100 mm - plastic black - XVD	XVDC02	737
XVB Incandescent Bulb		
Clear incandescent bulb for signalling - BA 15d - 24 V 10 W	DL1BLB	279
Clear incandescent bulb for signalling - BA 15d - 48 V 10 W	DL1BLE	287
Clear incandescent bulb for signalling - BA 15d - 120 V 10 W	DL1BLG	455
Clear incandescent bulb for signalling - BA 15d - 12 V 10 W	DL1BLJ	278
Clear incandescent bulb for signalling - BA 15d - 230 V 10 W	DL1BLM	304

XVB LED BA 15d Base Fitting

[Us] Rated Supply Voltage	Signalling Colour	Reference	Unit MRP [₹]
24 V	White	DL1BDB1	3741
	Green	DL1BDB3	2992
	Red	DL1BDB4	2992
	Blue	DL1BDB6	3393
	Yellow-Orange	DL1BDB8	3515
	Blue	DL1BDG6	4386
120 V AC	Green	DL1BDG3	3456
	Red	DL1BDG4	3419
	White	DL1BDG1	4386
	Yellow-Orange	DL1BDG8	3628
	Blue	DL1BDM6	4386
	Green	DL1BDM3	3801
230 V AC	Red	DL1BDM4	3698
	White	DL1BDM1	4419
	Yellow-Orange	DL1BDM8	3497

XVD - LS

Description	Light Block Colour	Reference	Unit MRP [₹]
Miniature Illuminated Beacons complete units (1 Lens unit + 1 base unit)			
Steady beacon XVD - BA 15d base - 230 V max	Green	XVDLS33	2195
	Red	XVDLS34	2196
	Orange	XVDLS35	2153
	Blue	XVDLS36	2195
	Clear	XVDLS37	2090
	Yellow	XVDLS38	2195
0.5 J beacon XVD - flash tube - 24 V AC DC	Green	XVDLS6B3	7059
	Red	XVDLS6B4	7059
	Orange	XVDLS6B5	7059
	Blue	XVDLS6B6	6723
	Clear	XVDLS6B7	7059
	Yellow	XVDLS6B8	6992
0.5 J beacon XVD - flash tube - 120 V AC	Green	XVDLS6G3	8070
	Red	XVDLS6G4	8070
	Orange	XVDLS6G5	8147
	Blue	XVDLS6G6	8147
	Clear	XVDLS6G7	7759
	Yellow	XVDLS6G8	7759
0.5 J beacon XVD - flash tube - 230 V AC	Green	XVDLS6M3	8540
	Red	XVDLS6M4	8850
	Orange	XVDLS6M5	8540
	Blue	XVDLS6M6	8133
	Clear	XVDLS6M7	8133
	Yellow	XVDLS6M8	8133

DL1 Incandescent Bulb

Clear incandescent bulb for signalling - BA 15d - 24 V 4 W	DL1BEBS	265
Clear incandescent bulb for signalling - BA 15d - 120 V 7 W	DL1BEG	272
Clear incandescent bulb for signalling - BA 15d - 230 V 5 W	DL1BEMS	288

XVR Rotating Mirror Beacon

Description	Light Block Colour	Reference	Unit MRP [₹]
Rotating mirror beacon - 70W - 24V AC DC	Green	XVR1B93	12437
	Red	XVR1B94	14495
	Orange	XVR1B95	13059
	Blue	XVR1B96	12437
	Yellow	XVR1B98	13059
Rotating mirror beacon w/o buzzer XVR - Ø 84 - 24 V AC DC	Green	XVR08B03	10370
Rotating mirror beacon w/o buzzer XVR - Ø 106 - 24 V AC DC	Green	XVR10B03	10370
Rotating mirror beacon with buzzer XVR - Ø 120 - 24 V AC DC	Green	XVR12B03	13217
Rotating mirror beacon w/o buzzer XVR - Ø 130 - 24 V AC DC	Red	XVR13B04L	10676
	Orange	XVR13B05L	10676
Rotating mirror beacon w/o buzzer XVR - Ø 84 - 24 V AC DC	Blue	XVR08B06	11310
Rotating mirror beacon w/o buzzer XVR - Ø 106 - 24 V AC DC	Blue	XVR10B06	11310
Rotating mirror beacon w/o buzzer XVR - Ø 120 - 24 V AC DC	Blue	XVR12B06	13713
Rotating mirror beacon w/o buzzer XVR - Ø 130 - 120 V AC	Red	XVR13G04L	12616
	Orange	XVR13G05L	11310
Rotating mirror beacon w/o buzzer XVR - Ø 130 - 230 V AC	Red	XVR13M04L	13823
	Orange	XVR13M05L	12739

XVR Bulbs

Description	[Us] Rated Supply Voltage	Reference	Unit MRP [₹]
BA 15d Base fitting			
Clear halogen bulb for signalling - BA 15d - 70 W	24 V AC/DC	DL1BRBH	2646

Accessories and spare parts

Description	Cap/ Operator Or Reference Lens Colour	Reference	Unit MRP [₹]
Fixing base on vertical surface - black		XVR012	2072
Fixing base for support tube with tapping 1/2 " NPT - black		XVR013	1193
Green domed lens - Ø 165	Green	XVR0153	4469
Red domed lens - Ø 165	Red	XVR0154	4469
Orange domed lens - Ø 165	Orange	XVR0155	4469
Blue domed lens - Ø 165	Blue	XVR0156	4256
Yellow domed lens - Ø 165	Yellow	XVR0158	4256
Protective grid for lens unit		XVR016	1913

Note: Accessories only for references XVR1B****.

XVS Sirens

Description	Reference	Unit MRP [₹]
2 Tones siren - 106 dB - 12...24V AC/DC - White	XVS10BMW	15286
2 Tones siren - 106 dB - 120V AC - White	XVS10GMW	16953
2 Tones siren - 106 dB - 230V AC - White	XVS10MMW	16953

XVM Series

Tower Light with Super Bright LED and integral light diffuser

Description	Reference	Unit MRP [₹]
Complete Tower 24 V AC/DC Without Buzzer	XVMB2RSB	3011
	XVMB2RASB	2850
	XVMB2RGSB	4400
	XVMB2RAGSB	5843
	XVMB2R6AGSB	6450
Complete Tower 24 V AC/DC With Buzzer	XVMB2RSSB	3390
	XVMB2RASSB	4750
	XVMB2RGSSB	4988
	XVMB2RAGSSB	7548
	XVMB2R6AGSSB	10115
Complete Tower 120 V AC Without Buzzer	XVMG2RSB	2908
	XVMG2RASB	3920
	XVMG2RGSB	4261
	XVMG2RAGSB	5285
	XVMG2R6AGSB	7518
Complete Tower 120 V AC With Buzzer	XVMG2RSSB	4313
	XVMG2RASSB	5463
	XVMG2RGSSB	5580
	XVMG2RAGSSB	6860
	XVMG2R6AGSSB	9113
Complete Tower 230 V AC Without Buzzer	XVMM2RSB	3794
	XVMM2RASB	4090
	XVMM2RGSB	4295
	XVMM2RAGSB	6978
	XVMM2R6AGSB	8050
Complete Tower 230 V AC With Buzzer	XVMM2RSSB	5894
	XVMM2RASSB	5700
	XVMM2RGSSB	5973
	XVMM2RAGSSB	7285
	XVMM2R6AGSSB	9385

XVM Series

Description	Reference	Unit MRP [₹]
Base and Cover	XVMC21	626
Tube and Base	XVMC213T	1195
Base with Buzzer 24V	XVMC29B	1799
Tube and Base with Buzzer 24V	XVMC29B3T	2503
Tube and Base with Buzzer 120V	XVMC29G3T	2565
Base with Buzzer 230V	XVMC29M	1875
Green Lens	XVMC33	694
Red Lens	XVMC34	694
Yellow Lens	XVMC35	694
Blue Lens	XVMC36	694
Clear Lens	XVMC37	694
100mm Aluminium Tube with Stand	XVMZ02	576
100mm Aluminium Tube with Bracket	XVMZ02T	698
250mm Aluminium Tube with Stand	XVMZ03	803
250mm Aluminium Tube with Bracket	XVMZ03T	833
400mm Aluminium Tube with Stand	XVMZ04	1158
Cover for Replacement	XVMZ081	160
Tool for Bulb	ZBZX13	169
Incandescent Bulb 24 V	DL1EDBS <input checked="" type="checkbox"/>	192
Incandescent Bulbs 120 V	DL1EDGS	188
Incandescent Bulbs 230 V	DL1EDMS <input checked="" type="checkbox"/>	188
White Led Bulb 24 V	DL2EDB1SB	931
Green Led Bulb 24 V	DL2EDB3SB	931
Red Led Bulb 24 V	DL2EDB4SB	931
Blue Led Bulb 24 V	DL2EDB6SB	1097
Orange Led Bulb 24 V	DL2EDB8SB	914

XVM Series

Description	Reference	Unit MRP [₹]
White Led Bulb 120 V	DL2EDG1SB	1145
Green Led Bulb 120 V	DL2EDG3SB	1073
Red Led Bulb 120 V	DL2EDG4SB	1073
Blue Led Bulb 120 V	DL2EDG6SB	1073
Orange Led Bulb 120 V	DL2EDG8SB	1073
White Led Bulb 230 V	DL2EDM1SB	1117
Green Led Bulb 230 V	DL2EDM3SB	1054
Red Led Bulb 230 V	DL2EDM4SB	1096
Blue Led Bulb 230 V	DL2EDM6SB	1117
Orange Led Bulb 230 V	DL2EDM8SB	1096
White Flashing Led Bulb 24 V	DL2EKB1SB	1202
Green Flashing Led Bulb 24 V	DL2EKB3SB	1262
Red Flashing Led Bulb 24 V	DL2EKB4SB	1238
Blue Flashing Led Bulb 24 V	DL2EKB6SB	1262
Orange Flashing Led Bulb 24 V	DL2EKB8SB	1238
White Flashing Led Bulb 120 V	DL2EKG1SB	1381
Green Flashing Led Bulb 120 V	DL2EKG3SB	1450
Red Flashing Led Bulb 120 V	DL2EKG4SB	1450
Blue Flashing Led Bulb 120 V	DL2EKG6SB	1381
Orange Flashing Led Bulb 120 V	DL2EKG8SB	1450
White Flashing Led Bulb 230 V	DL2EKM1SB	1496
Green Flashing Led Bulb 230 V	DL2EKM3SB	1496
Red Flashing Led Bulb 230 V	DL2EKM4SB	1517
Blue Flashing Led Bulb 230 V	DL2EKM6SB	1496
Orange Flashing Led Bulb 230 V	DL2EKM8SB	1496
Strobe Bulb 24V	DL6BB	2538
Strobe Bulb 120V	DL6BG	2482
Strobe Bulb 230 V	DL6BM	2482

Breakdown of the reference for a complete indicator bank

		4 units			
		3 units		2 units	
		1 units			
		XVM			
Voltage	AC/DC 24 V	B			
	AC 110 V	G			
	AC 230 V	M			
Light source (2)	Incandescent bulb	1			
	LED	2			
Illuminated	Colour				
	Red	R	R	R	R
	Orange	A	A	A	A
	Green	G	G	G	G
	Blue	B	B	B	B
	Clear	C	C	C	C
Signalling	Steady		(3)	(3)	(3)
	Flashing		5	5	5
	"Flash"		6	6	6
Buzzer	Without				(3)
	With				S

Reference example

XVM B2R6AGS=indicator bank for 24V(AC/DC) supply, with LEDs with 1 red lens unit with "flash" discharge tube signalling, 2 lens units (1 orange and 1 green) with steady light signalling and with buzzer.

(1) This table is for Information only and must not be used to create a product reference.

(2) Not Indicated, default value

Tower light, Ø 60 mm, Pre-assembled , PreCabled , Monolethic , Economical Version , XVGB-Series with LED for steady light - 24VDC

Description	References	Unit LP [₹]
With aluminium tube mounting and L-bracket		
Without Buzzer		
2-Stage Red, Green	XVGB2	2697
3-Stage Red, Amber, Green	XVGB3	3055
4-Stage Red, Amber, Green, Blue	XVGB4	3678
With Buzzer		
2-Stage Red, Green	XVGB2S	3061
3-Stage Red, Amber, Green	XVGB3S	3472
4-Stage Red, Amber, Green, Blue	XVGB4S	3697
With direct aluminium tube mounting		
Without Buzzer		
2-Stage Red, Green	XVGB2T	2779
3-Stage Red, Amber, Green	XVGB3T	3377
4-Stage Red, Amber, Green, Blue	XVGB4T	3978
With Buzzer		
2-Stage Red, Green	XVGB2ST	3403
3-Stage Red, Amber, Green	XVGB3ST	3497
4-Stage Red, Amber, Green, Blue	XVGB4ST	4461
With aluminium tube mounting and fixing plate		
Without Buzzer		
2-Stage Red, Green	XVGB2H	2697
3-Stage Red, Amber, Green	XVGB3H	3086
4-Stage Red, Amber, Green, Blue	XVGB4H	4049
With Buzzer		
2-Stage Red, Green	XVGB2SH	3296
3-Stage Red, Amber, Green	XVGB3SH	3555
4-Stage Red, Amber, Green, Blue	XVGB4SH	4428
With aluminium tube mounting and foldable bracket		
Without Buzzer		
2-Stage Red, Green	XVGB2M	3091
3-Stage Red, Amber, Green	XVGB3M	3378
4-Stage Red, Amber, Green, Blue	XVGB4M	4078
With Buzzer		
2-Stage Red, Green	XVGB2SM	3353
3-Stage Red, Amber, Green	XVGB3SM	3668
4-Stage Red, Amber, Green, Blue	XVGB4SM	3699
With base mounting - Direct		
Without Buzzer		
2-Stage Red, Green	XVGB2W	2534
3-Stage Red, Amber, Green	XVGB3W	2981
4-Stage Red, Amber, Green, Blue	XVGB4W	3910
With Buzzer		
2-Stage Red, Green	XVGB2SW	2965
3-Stage Red, Amber, Green	XVGB3SW	3354
4-Stage Red, Amber, Green, Blue	XVGB4SW	4007
XVG-USB Based Towerlights NEW		
Pre-assembled and pre-cabled Multicolor USB tower light 60mm IP42 Direct base mounting	XVGU3SWV	6577
Pre-assembled and pre-cabled Multicolor USB tower light 60mm IP42 With 100 mm aluminium tube mounting	XVGU3SHAV	7240

XAC-A Type

For Control Circuits

- Complete Stations IP657
- Double Insulated
- "Small Hoist" applications

Control Station Composition	Mechanical Interlocking	Contact Composition	Reference	Unit MRP [₹]
For Single Hoist Motors				
2 pushbuttons	With mechanical interlocking	1 NO	XACA201	4028
		1 NC + 1 NO	XACA205	4246
2 booted pushbuttons	With mechanical interlocking	1 NO	XACA211	4067
		1 NC + 1 NO	XACA215	4636
For Single-Speed Motors				
2 pushbuttons	With mechanical interlocking	1 NO	XACA271 <input checked="" type="checkbox"/>	4130
		1 NC + 1 NO	XACA281 <input checked="" type="checkbox"/>	4651
4 pushbuttons	With mechanical interlocking between pairs	1 NO	XACA471 <input checked="" type="checkbox"/>	5268
		1 NC + 1 NO	XACA481 <input checked="" type="checkbox"/>	5979
6 pushbuttons	With mechanical interlocking between pairs	1 NO	XACA671 <input checked="" type="checkbox"/>	6156
		1 NC + 1 NO	XACA681 <input checked="" type="checkbox"/>	7628
8 pushbuttons	With mechanical interlocking between pairs	1 NO (for 7 operators)	XACA871 <input checked="" type="checkbox"/>	7209
		1 NO (for 8 operators)		
		1 NC + 1 NO	XACA881 <input checked="" type="checkbox"/>	9020

XAC-B Type

For Control Circuits

- Complete Stations IP657
- Double Insulated
- "Small Hoist" applications

Control Station Composition	Mechanical Interlocking	Rated Operational Power (W) 380/415 V	Reference	Unit MRP [₹]
For Single Hoist Motors				
2 pushbuttons	With mechanical interlocking	2200 W	XACB219	12198
		3000 W	XACB220	
For Single-Speed Motors				
2 pushbuttons	With mechanical interlocking	2200 W	XACB291	19481
4 pushbuttons	With mechanical interlocking between pairs	2200 W	XACB491	20065
		3000 W	XACB493	
6 pushbuttons	With mechanical interlocking between pairs	2200 W	XACB691	19844
		3000 W	XACB693	19535

Joystick Controllers

Description	Legend plate without text	Legend plate Price	Reference	Unit MRP [₹]
XD2-P (One Step in Each Position) Dia. 22mm				
2-Direction Stay-Put	ZD2-GY2201	103	XD2PA12	4036
2-Direction Spring Return to Zero			XD2PA22 <input checked="" type="checkbox"/>	4085
4-Direction Stay-Put	ZD2-GY4201	123	XD2PA14	5014
4-Direction Spring Return to Zero			XD2PA24 <input checked="" type="checkbox"/>	5118
XD2-G (Two steps in each position) Dia. 22mm				
2 - Direction (2 notches with spring return to zero)	ZD2-GY5201	139	XD2GA8241	9732
2-Direction (1st notch stay-put, 2nd notch spring return to 1st)			XD2GA8251	9268
4-Direction spring (2 notches with spring return to zero)	ZD2-GY6201	146	XD2GA8441	12839
4-Direction (1st notch stay-put, 2nd notch spring return to 1st)			XD2GA8451	13376

Foot Switch

Contacts Type and Composition	Reference	Unit MRP [₹]
Insulated Enclosure 1 NC + 1 NO	XPEA110 <input checked="" type="checkbox"/>	3962

Cable Ends

- Copper Ferrule, Tin Plated to ISO 1337
- Halogen Free Plastic Insulated Collar
- Temperature Limits: -20°C to 105°C
- Conforming to Standards NF C 63-023

Cable Ends

Accessory/separate Part designation	Cable Cross Section	Colour	Quantity Per Set	Reference	Unit MRP [₹]
Single Conductor Cable Ends					
Single conductor Insulated cable end	0.5 mm ²	White	10 sets of 100	DZ5CE005 <input checked="" type="checkbox"/>	142
	0.75 mm ²	Blue	10 sets of 100	DZ5CE007 <input checked="" type="checkbox"/>	142
	1 mm ²	Red	10 sets of 100	DZ5CE010 <input checked="" type="checkbox"/>	148
	1.5 mm ²	Black	10 sets of 100	DZ5CE015 <input checked="" type="checkbox"/>	148
	2.5 mm ²	Grey	10 sets of 100	DZ5CE025 <input checked="" type="checkbox"/>	177
	4 mm ²	Orange	10 sets of 100	DZ5CE042 <input checked="" type="checkbox"/>	425
	6 mm ²	Green	Set of 100	DZ5CE062 <input checked="" type="checkbox"/>	554
Single Conductor Cable Ends with clip-in Marker Tag Holder ⁽¹⁾					
Single conductor insulated cable end with facility for clip-in marker tag holder	4 mm ²	Orange	10 sets of 100	DZ5CA042	743
	6 mm ²	Green	Set of 100	DZ5CA062	707
	10 mm ²	Brown	Set of 100	DZ5CA102 <input checked="" type="checkbox"/>	907
	16 mm ²	White	Set of 100	DZ5CA162 <input checked="" type="checkbox"/>	1108
	25 mm ²	Black	Set of 100	DZ5CA253 <input checked="" type="checkbox"/>	1450
	35 mm ²	Red	Set of 20	DZ5CA352	4629
	50 mm ²	Blue	Set of 20	DZ5CA502	4629
Single Conductor Cable Ends with Marker Tag					
Single conductor Markable insulated Cable end	0.5 mm ²	White	10 sets of 100	DZ5CA005	412
	0.75 mm ²	Blue	10 sets of 100	DZ5CA007	412
	1 mm ²	Red	10 sets of 100	DZ5CA010	412
	1.5 mm ²	Black	10 sets of 100	DZ5CA015	412
	2.5 mm ²	Grey	10 sets of 100	DZ5CA025	484
Twin Conductor Cable Ends					
Twin conductor insulated cable end	0.75 mm ²	Blue	5 sets of 100	AZ5DE007 <input checked="" type="checkbox"/>	306
	1 mm ²	Red	5 sets of 100	AZ5DE010 <input checked="" type="checkbox"/>	306
	1.5 mm ²	Black	5 sets of 100	AZ5DE015 <input checked="" type="checkbox"/>	282
	2.5 mm ²	Grey	5 sets of 50	AZ5DE025 <input checked="" type="checkbox"/>	366
Single Conductor Cable Ends Strip of 50m bag					
Single Conductor cable ends strip of 50m bag	0.5 mm ²	White	10 sets of 50	DZ5CEB005D	174
	0.75 mm ²	Grey	10 sets of 50	DZ5CEB007D	164
	1 mm ²	Red	10 sets of 50	DZ5CEB010D	174
	1.5 mm ²	Black	10 sets of 50	DZ5CEB015D	174
	2.5 mm ²	Blue	10 sets of 50	DZ5CEB025D	231

Accessories

Description	Quantity Per Set	Reference	Unit MRP [₹]
Tool for positioning AR1-M.01 Markers			
Clip-in Markers tag holders for Cable Ends with holder ⁽¹⁾	Set of 100	AR1SC03	127
Clip on Marker holder for 1 to 1.5 Sq.mm Cables	Set of 100	AR1SC02	504
Set of numbers from 0 to 9	Set of 200	AR1MA01	2439
Markers Set of letters from A to Z	Set of 200	AR1MB01	4596
Tool for quick positioning of clip-on markers - on cable end tags		AT1PA1	902
Cable end Crimping Tools			
Crimping tool for cable end - 0.5 to 16 mm ²		AT1PA2 <input checked="" type="checkbox"/>	4409
Crimping tool for cable end - 10 to 35 mm ²		AT1PA4	4715
Storage Case for Cable Ends and Stripping Tool			
Storage case for cable ends and cutting/stripping tool - for terminal block		AT1HB2	2245

(1) For rapid clip on mounting of up to 7 markers AR1-M...

- Insulated cable ends comprise a tinned copper ferrule fitted with an insulated collar.
- The copper ferrule serves as holder for the core standards of flexibles cables and facilitated terminal connections.
- The insulated plastic collar provides protection between two adjacent connections.

Telemecanique Sensors

Simply easy!™



Safety switches



Preventa™ XUSL, the new safety Light Curtains, for an efficient protection of machine operators, for finger, hand and body



Preventa™ XY2CJ, the emergency stop rope pull switches. A solution easy to reach and trigger from everywhere in the work zone

Pressure sensors



Easily control machine pressure with the new **OsiSense™ XMLR**, the intuitive pressure switch that combines high performance and maximum ease of use.



OsiSense™ ZMLP, the simple switch with display that can be linked to a separate pressure transmitter, delivering a clear view of accurate pressure information even if the conduit runs in a hard to access location.

Contact Marketing/Local Sales for any queries on new range.

Telemecanique Sensors

Simply easy!™

Radio Frequency Identification (RFID)



The OsiSense™ XG identification system makes it possible to perform object traceability, identification (tracking) and access control functions.

Photo Electric sensors



Osisense™ XUY Roller Sensors, to be easily and fully integrated into your rollers conveyors system. New shape and easier fixation making it more adaptable for any case.



OsiSense™ XUVU, the new ultrasonic Fork thru-beam for detection of transparent labels



OsiSense™ XUX9ARCNT16, a reliable photo electric sensor specially designed to detect proximity between two traveling overhead cranes “anti-collision”. A strong red beam is highly visible on the reflector to allow easy and fast setting.

Vision sensors



OsiSense XUW vision sensors are dedicated to the inspection of manufactured parts. They allow checking of high rate production operations and ensure good repeat accuracy of checking. These XUW sensors can also be used to manage object flow

Contact Marketing/Local Sales for any queries on new range.



Optical Sensors

- XUB M18 Body
- 100mA (with overload and short circuit protection)

Principle of operation	Sensing Distance	Output	Reference	Unit MRP [₹]
Diffuse	0.6 m	PNP NO	XUB5APANM12 <input checked="" type="checkbox"/>	2500
		PNP NO	XUB5BPANM12 (Metal) <input checked="" type="checkbox"/>	3350
		PNP NO	XUB5APANL2 <input checked="" type="checkbox"/>	2500
		PNP NO	XUB5BPANL2 <input checked="" type="checkbox"/>	3350
Polarised reflex	2m	PNP NO	XUB9APANM12 <input checked="" type="checkbox"/>	2610
		PNP NO	XUB9BPANM12	3240
		PNP NO	XUB9APANL2	2806
Fixed Diffuse	100 mm	PNP NO	XUB4APANL2	2390
		PNP NO	XUB4APANM12 <input checked="" type="checkbox"/>	2970
		NPN NC	XUB4BPANM12 (Metal)	2390
Reflex	4 m	PNP NO	XUB1APANL2 (Without Reflector)*	2390
		PNP NO	XUB1APANM12	2970
		PNP NO	XUB1BPANM12 (Metal)	2970
		PNP NC	XUB1APBNL2 (Without Reflector)*	2390
Receiver Thru Beam	15 m	PNP NO	XUB2APANL2R	2110
PNP NO		XUB2AKSNL2T	1440	
PNP NC		XUB2AKSNM12T	1840	
Receiver Thru Beam	15m	PNP NO	XUB2APANM12R	2110
Receiver Thru Beam		PNP NO	XUB2BPANM12R (Metal)	2850
Transmitter Thru Beam		PNP NO	XUB2AKSNL2T	1440

Note :

1. L2 stands for sensors with 2m cable
4. M12 stand for universal connectors.

Principle of operation	Sensing range	Connection	Reference	Unit MRP [₹]
Cylindrical M18				
Multi Mode	> 0...20 m	Cable 2 m	XUB0APSNL2	4697
Multi Mode	> 0...20 m	Connector	XUB0APSNM12	
Multi Mode	> 0...20 m	Connector	XUB0BPSNM12 (Metal)	4927

Principle of operation	Sensing Distance	Output	Reference	Unit MRP [₹]
Compact 50 x 50 mm				
Reflex	7 m	AC/DC 1C/O Relay	XUK1ARCNL2	4620
Diffuse	1 m	AC/DC 1C/O Relay	XUK5ARCNL2	
Reflex polarized	5 m	AC/DC 1C/O Relay	XUK9ARCNL2 <input checked="" type="checkbox"/>	5049
Multimode	30 m	PNP/NPN NO/NC	XUK0AKSAL2	6186
Multimode	30 m	AC/DC 1C/O Relay	XUK0ARCTL2	7117
Compact 92 x 71 mm				
Diffuse	2.1 m	AC/DC 1C/O Relay	XUX5ARCNT16	6272
Reflex Polarized	11 m	AC/DC 1C/O Relay	XUX9ARCNT16 <input checked="" type="checkbox"/>	6270
Reflex	14 m	AC/DC 1C/O Relay	XUX1ARCNT16 <input checked="" type="checkbox"/>	5731
Thru beam transmitter		AC/DC	XUX0ARCTT16T	5467
Multimode	1.3 m...40 m	PNP/NPN NO/NC	XUX0AKSAT16	9357
Multimode	1.3 m...40 m	AC/DC 1C/O Relay	XUX0ARCTT16	10017

*Reflector to be ordered separately.



Principle of operation	Sensing range	Connection	Reference	Unit MRP [₹]
XUM – Miniature Single Mode				
<ul style="list-style-type: none"> • Material: Plastic • Wiring technique: 3 wire • Output Type: PNP • 1No or 1NC Programmable • Supply Circuit Type: DC • Degree of protection - IP67 				
Polarised Reflex	> 1...5 m	Cable 2 m	XUM9APCNL2 <input checked="" type="checkbox"/>	2420
Polarised Reflex	> 1...5 m	Connector	XUM9APCNM8 <input checked="" type="checkbox"/>	
Diffuse	> 0.3...1 m	Cable 2 m	XUM5APCNL2 <input checked="" type="checkbox"/>	2332
Diffuse	> 0.3...1 m	Connector	XUM5APCNM8	
Thru beam - Transmitter	15M	Cable	XUM2AKCNL2T <input checked="" type="checkbox"/>	2071
XUM – Miniature Multi Mode				
<ul style="list-style-type: none"> • Material: Plastic • Wiring technique: 3 wire • OutPut Type: PNP • 1No or 1NC Programmable • Supply Circuit Type: DC • Degree of protection - IP67 				
Multi Mode	> 0...10 m	Cable 2 m	XUM0APCAL2	5079

XUK Colour Sensors



- Supply Voltage 10..30 VDC
- Teach Button Sensitivity Adjustment
- 3 Wire
- IP 65

Principle of operation	Sensing Distance	Output	Reference	Unit MRP [₹]
Diffuse contrast sensor	19 mm	PNP NO	XUKR1PSMM12	10490

Fixing Bracket

Description	Reference	Unit MRP [₹]
For XUB	XUZA118	613
For XUK	XUZA51	495

Reflector (mm)

Description	Reference	Unit MRP [₹]
24 x 21	XUZC24	778
50 x 50	XUZC50 <input checked="" type="checkbox"/>	813
80 (dia)	XUZC80 <input checked="" type="checkbox"/>	1084
100 x 100	XUZC100 <input checked="" type="checkbox"/>	1144

OsiSense XU



SN [mm]	Light Mode	Output	Connection	Reference	Unit MRP [₹]
Fork Sensor					
30mm	Red LED	PNP,[NO]	2m Cable	XUVR0303PANL2	4674
50mm	Red LED	PNP,[NO]	M8 Connector	XUVR0605PANM8	5713

Fiber Design Amplifier



- 3 Wire DC, Teach Mode

Depending on fiber	-	PNP NO/NC programmable	2M Cable	XUDA2PSML2 <input checked="" type="checkbox"/>	9709
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XU.8 Background Suppression

SN [m]	Body Type	Output	Connection	Reference	Unit MRP [₹]
1m	Compact 50x50	PNP/NPN,NO/NC programmable	2m Cable	XUK8AKSNL2	5764
1m	Compact 50x50	PNP/NPN,NO/NC programmable	M12 Connector	XUK8AKSNM12 <input checked="" type="checkbox"/>	5764
0.3m	Miniature	PNP NO/NC programmable	2m Cable	XUM8APCNL2 <input checked="" type="checkbox"/>	3544

Electromechanical Pressure Switches



Description	Pressure Range	Reference	Unit MRP [₹]
Electromechanical pressure switches for control circuit			
<ul style="list-style-type: none"> Suitable for air, fresh water, sea water Adjustable differential 1 C/O single pole contact G 1/4 (BSP female) fluid connection Mechanical durability - 1 x 10⁶ operating cycles 			
Setting screw external	1-6 bar	XMAV06L2135	2399
Adjustable range of rising pressure	1.3-12 bar	XMAV12L2135	2400
	3.5-25 bar	XMAV25L2135	2938

Electromechanical pressure switches for power circuits			
<ul style="list-style-type: none"> Suitable for fresh water & sea water Adjustable differential 2 pole 2 N/C contact Degree of protection - IP20 G 1/4 (BSP female) fluid connection 			
Adjustable range of rising pressure 1.4 - 4.6 bar		FSG2 <input checked="" type="checkbox"/>	1022

Electromechanical pressure switches (Nautilus)			
<ul style="list-style-type: none"> Conforming to IEC/EN 60947-5-1 1 C/O single pole contact (4 terminal) snap action with setting scale 			
Fixed differential			
0.4 to 4 bar		XMLA004A2S11 <input checked="" type="checkbox"/>	8081
0.7 to 20 bar		XMLA020A2S11 <input checked="" type="checkbox"/>	5991
1.5 to 35 bar		XMLA035A2S11 <input checked="" type="checkbox"/>	
5 to 70 bar		XMLA070D2S11 <input checked="" type="checkbox"/>	6603
Adjustable differential			
0.25 to 4 bar		XMLB004A2S11 <input checked="" type="checkbox"/>	8577
1.3 to 20 bar		XMLB020A2S11 <input checked="" type="checkbox"/>	
3.5 to 35 bar		XMLB035A2S11	
7 to 70 bar		XMLB070D2S11	9189

XMLP Pressure Transmitter



- For Hydraulic Oil, air, fresh water, sea water, gas & Refrigeration fluids

Pressure Range	Output	Connection	Reference	Unit MRP [₹]
0 to 10 bar	4-20mA	DIN 43650	XMLP010BC21V <input checked="" type="checkbox"/>	5999
0 to 10 bar	0-10V	DIN 43650	XMLP010BC71V	
0 to 10 bar	4-20mA	M12	XMLP010BD21V	
0 to 100 bar	4-20mA	DIN 43650	XMLP100BC22 <input checked="" type="checkbox"/>	6299
0 to 100 bar	0-10V	DIN 43650	XMLP100BC72 <input checked="" type="checkbox"/>	
0 to 100 bar	4-20mA	M12	XMLP100BD22 <input checked="" type="checkbox"/>	
0 to 400 bar	4-20mA	DIN 43650	XMLP400BC22	
0 to 400 bar	0-10V	M12	XMLP400BD72	

Note: 10, 16, 25, 40, 60, 100, 250, 400 and 600 , bar version available in stock

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

XCKD Limit Switches



- Metal body
- Conforming to IEC60947-5-1, EN60947-5-1, UL 508, CSA
- C22-2 n°14 standards
- Degree of Protection - IP67
- Tapped entry for n°11 cable gland
- 2 pole N/O + N/C, snap action contact available as standard (3 output contacts also available in same size and replaceable at site)

Description	Number of Poles	Reference	Unit MRP [₹]
Steel roller plunger - 1 NC + 1 NO		XCKD2102G11 <input checked="" type="checkbox"/>	1366
Cat's whisker - 1 NC + 1 NO		XCKD2106G11	1411
Steel end plunger - 1 NC + 1 NO		XCKD2110G11	1115
Thermoplastic roller lever - 1 NC + 1 NO		XCKD2118G11 <input checked="" type="checkbox"/>	1279
Thermoplastic roller lever plunger, horizontal direction - 1 NC + 1 NO		XCKD2121G11 <input checked="" type="checkbox"/>	1517
Thermoplastic adjustable roller lever - 1 NC + 1 NO		XCKD2145G11 <input checked="" type="checkbox"/>	1434
Sub-assemblies Metal Bodies for XCKD			
Body ZCD 1 NC + 1 NO Snap Action	2	ZCD21 <input checked="" type="checkbox"/>	1679
Body ZCD 2 NC + 1 NO Snap Action	3	ZCD39	1950
Gland and Head for ZCD Bodies			
Cable gland entry Pg 11 - metal body		ZCDEG11	140
Head for Limit switch - ZCE without operating lever		ZCE01 <input checked="" type="checkbox"/>	453
Steel roller plunger		ZCE02 <input checked="" type="checkbox"/>	627
Cat's whisker		ZCE06	743
Steel end plunger		ZCE10	349
Thermoplastic roller lever plunger, horizontal direction		ZCE21 <input checked="" type="checkbox"/>	685
Thermoplastic roller lever ZCY		ZCY18*	94
Steel roller lever ZCY		ZCY19*	395
Variable length thermoplastic roller lever		ZCY45* <input checked="" type="checkbox"/>	395
*To be used with head ZCE01			
Contact block for ZCD bodies			
1NO + 1NC	2	XE2SP2151 <input checked="" type="checkbox"/>	530
1NO + 2NC	3	XE3SP2141	1200

XCK-M Limit Switches



- 1 NO + 1 N/C with positive opening operation
- Heavy duty oil-tight to IP 665
- Up to 20 million operations

Description	Reference	Unit MRP [₹]
Body		
Body - 1 NC + 1 NO - terminals	ZCKM1 <input checked="" type="checkbox"/>	1207
Spare contacts	XE2SP2151 <input checked="" type="checkbox"/>	530
For ordering complete limit switches, please select body and head listed above		
Head		
Head - steel roller plunger	ZCKD02 <input checked="" type="checkbox"/>	660
Head - cat's whisker	ZCKD06 <input checked="" type="checkbox"/>	
Head - spring rod lever	ZCKD08 <input checked="" type="checkbox"/>	364
Head - steel end plunger	ZCKD10 <input checked="" type="checkbox"/>	
Delrin roller lever head	ZCKD15 <input checked="" type="checkbox"/>	809
Delrin roller lever plunger head	ZCKD21 <input checked="" type="checkbox"/>	660
Steel roller lever plunger head	ZCKD23	854
Variable length Delrin roller lever	ZCKD41 <input checked="" type="checkbox"/>	694

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

XCK-P Thermoplastic



Conforming to IEC 947-5-1
Degree of Protection - IP 653
Double insulated
Class II conforming to IEC 536
15 million mechanical durability
1 NO+1 NC 2 pole snap action contacts with positive opening

Description	Reference	Unit MRP [₹]
Steel roller plunger - 1 NC + 1 NO	XCKP2102G11 <input checked="" type="checkbox"/>	1059
Cat's whisker - 1 NC + 1 NO	XCKP2106G11 <input checked="" type="checkbox"/>	1115
Steel end plunger - 1 NC + 1 NO	XCKP2110G11 <input checked="" type="checkbox"/>	798
Delrin roller lever ⁽¹⁾	XCKP2118G11 <input checked="" type="checkbox"/>	945
Delrin roller lever plunger, horizontal direction - 1 NC + 1 NO	XCKP2121G11 <input checked="" type="checkbox"/>	1115
Delrin roller lever plunger, vertical direction - 1 NC + 1 NO	XCKP2127G11 <input checked="" type="checkbox"/>	1162
Adjustable roller lever - 1 NC + 1 NO (1) (Variable Length)	XCKP2145G11 <input checked="" type="checkbox"/>	1059
Spare contact block	XE2SP2151 <input checked="" type="checkbox"/>	530

Note : 1 tapped entry for size 11 cable gland
(1) Adjustable through 360° in 5 steps

XCMD Metal, compact



Conforming to IEC 947-5-1
IP 67 conforming to IEC 529
Pre-cabled, 5 x 0.75 mm²
Single pole 1 C/O contact, snap action

Description	Reference	Unit MRP [₹]
Steel roller plunger	XCMD2102L1 <input checked="" type="checkbox"/>	2345
Metal end plunger	XCMD2110L1 <input checked="" type="checkbox"/>	2041
Thermoplastic roller lever	XCMD2115L1 <input checked="" type="checkbox"/>	2165

XCK - J Metal



1NO + 1NC
Snap action
Positive opening operation
30 million operations
Heavy Duty Oil Tight to IP 667
Accuracy = 0.01 mm

Description	Reference	Unit MRP [₹]
Head - without operating lever - Rotary head	ZCKE05 <input checked="" type="checkbox"/>	1359
Head - cat's whisker	ZCKE06 <input checked="" type="checkbox"/>	1370
Head - spring rod lever	ZCKE08 <input checked="" type="checkbox"/>	1370
Head - steel roller lever	ZCKE23	2207
Head - metal end plunger	ZCKE61	1080
Head - reinforced end plunger	ZCKE67 <input checked="" type="checkbox"/>	1719
Body - 1 NC + 1 NO - terminals	ZCKJ1 <input checked="" type="checkbox"/>	1603
Body - 2 OC - terminals 2 NO + 2 NC	ZCKJ2 <input checked="" type="checkbox"/>	2729
Steel roller lever	ZCKY13 <input checked="" type="checkbox"/>	360
Delrin roller lever Ø 50 mm	ZCKY41 <input checked="" type="checkbox"/>	475
Nylon round rod Ø 6 mm	ZCKY59 <input checked="" type="checkbox"/>	290
Spare contacts	XE2SP2151 <input checked="" type="checkbox"/>	530

Note:

- For ordering complete Limit Switches, please select body, head and, if necessary, roller listed above

Tiger Limit Switches

XCJ-Thermoplastic



Conforming to IEC 947-5-1
Degree of Protection - IP 54
10 Million Mechanical durability
Operating frequency 7200 ops/hr
Light Duty application

Description	Type of Approach	Reference	Unit MRP [₹]
Steel roller plunger - 1OC	For lateral cam movement	XCJ102 <input checked="" type="checkbox"/>	735
Steel roller plunger	For transverse cam movement	XCJ103 <input checked="" type="checkbox"/>	735
Steel end plunger	Vertical cam approach	XCJ110 <input checked="" type="checkbox"/>	661
Short flat roller lever plunger	One way operation	XCJ121	600
Short flat lever plunger		XCJ125	479
Long flat lever plunger		XCJ126 <input checked="" type="checkbox"/>	548
Short roller lever plunger - flat		XCJ127 <input checked="" type="checkbox"/>	548
Long roller lever plunger - flat		XCJ128 <input checked="" type="checkbox"/>	575

XCE-Metal Zinc Alloy



Conforming to IEC 947-5-1
Degree of Protection - IP 65
15 Million Mechanical durability
Operating frequency 7200 ops/hr
Medium Duty application

Description	Reference	Unit MRP [₹]
Steel roller plunger for lateral cam movement	XCE102 <input checked="" type="checkbox"/>	1077
Steel end plunger	XCE110 <input checked="" type="checkbox"/>	1003
Thermoplastic roller lever	XCE118 <input checked="" type="checkbox"/>	1108
Variable length thermoplastic roller lever	XCE145 <input checked="" type="checkbox"/>	1214
Round rod Ø3 mm steel rod	XCE154	1182
Spring rod lever	XCE181	1172

XCKN Limit Switches



Plastic body
Conforming to IEC60947-5-1, EN60947-5-1, UL 508, CSA
C22-2 n°14 standards
Degree of Protection - IP65
Tapped entry for n°11 cable gland
2 pole N/C + N/O, snap action

Description	Type Of Approach	Reference	Unit MRP [₹]
Steel roller plunger - 1 NC + 1 NO	Lateral cam approach 2 directions	XCKN2102G11 <input checked="" type="checkbox"/>	734
Cat's whisker - 1 NC + 1 NO	Multi-directional approach	XCKN2106G11 <input checked="" type="checkbox"/>	776
Spring lever - 1 NC + 1 NO	Multi-directional approach	XCKN2108G11 <input checked="" type="checkbox"/>	860
Steel end plunger - 1 NC + 1 NO	Vertical approach 1 direction	XCKN2110G11 <input checked="" type="checkbox"/>	531
Thermoplastic roller lever - 1 NC + 1 NO	Lateral approach 2 directions	XCKN2118G11 <input checked="" type="checkbox"/>	616
Thermoplastic roller lever plunger, horizontal direction - 1 NC + 1 NO	Lateral approach 1 direction	XCKN2121G11 <input checked="" type="checkbox"/>	776
Variable length adjustable roller lever - 1 NC + 1 NO	Lateral approach 2 directions	XCKN2145G11 <input checked="" type="checkbox"/>	734
Variable length adjustable Thermoplastic roller lever Ø 50 mm - 1 NC + 1 NO	Lateral approach 2 directions	XCKN2149G11 <input checked="" type="checkbox"/>	818

XCKM.LC Metal



1NO + 1NC Snap action
10 millions operations
Heavy Duty Oil tight IP66, IK05

Operation type	Connection	Reference	Unit MRP [₹]
Metal end plunger	Pg11	XCKM110LC <input checked="" type="checkbox"/>	646
Metal end plunger	M20	XCKM110H29LC	632
Steel roller plunger	PG11	XCKM102LC <input checked="" type="checkbox"/>	646
Steel roller plunger	M20	XCKM102H29LC	780
Steel roller lever	Pg11	XCKM116LC <input checked="" type="checkbox"/>	683
Steel roller lever	M20	XCKM116H29LC	699
Steel roller lever Horizontal actuation	Pg11	XCKM2023LC <input checked="" type="checkbox"/>	683
Steel roller lever Horizontal actuation	M20	XCKM2023H29LC	685

XCKJ.LC



1NO + 1NC
Snap action
10 million operations
Heavy Duty Oil Tight to IK07, IP66, IP67

Operation Type	Connection	Reference	Unit MRP [₹]
Metal end plunger	M20	XCKJ161H29LC <input checked="" type="checkbox"/>	1200
Metal end plunger	Pg 13.5	XCKJ161LC <input checked="" type="checkbox"/>	934
Steel roller plunger	M20	XCKJ167H29LC <input checked="" type="checkbox"/>	962
Steel roller plunger	Pg 13.5	XCKJ167LC <input checked="" type="checkbox"/>	985
Thermoplastic roller lever	M20	XCKJ10511H29LC	985
Thermoplastic roller lever	Pg13.5	XCKJ10511LC	1029
Steel roller lever	M20	XCKJ10513H29LC <input checked="" type="checkbox"/>	1029
Steel roller lever	Pg13.5	XCKJ10513LC <input checked="" type="checkbox"/>	962
Var.length Thermoplastic roller lever	M20	XCKJ10541H29LC	962
Var.length Thermoplastic roller lever	Pg13.5	XCKJ10541LC	1084
Polyamide 6 mm rod lever	M20	XCKJ10559H29LC	1084
Polyamide 6 mm rod lever	Pg.13.5	XCKJ10559LC <input checked="" type="checkbox"/>	984
Var.length Steel roller lever	M20	XCKJ10543H29LC <input checked="" type="checkbox"/>	984
Var.length Steel roller lever	Pg13.5	XCKJ10543LC <input checked="" type="checkbox"/>	

XCK-T Thermoplastic



Conforming to IEC 947-5-1
Degree of Protection - IP 653
Double insulated
Class II conforming to IEC 536
15 Million Mechanical durability
1 NO+1 NC 2 pole snap action contacts with positive opening

Description	Reference	Unit MRP [₹]
Steel roller plunger - 1 NC + 1 NO	XCKT2102G11	1297
Steel end plunger - 1 NC + 1 NO	XCKT2110G11	1025
Delrin - roller lever plunger, horizontal direction - 1 NC + 1 NO	XCKT2121G11	1297

Note : 2 tapped entries for size 11 cable glands

(1) Adjustable through 360° in 5 steps

XCMN Limit Switches



Miniature design
 Conforming to IEC60947-5-1, EN60947, UL 508, CSA C22-2 n°14 standards
 Degree of Protection - IP65
 Plastic body with metal head
 1 metre PVR cable supplied as standard (4 x 0.75mm²)
 2 pole N/C + N/O, snap action contact
 Mechanical durability - 5 million operating cycles

Description	Reference	Unit MRP [₹]
Steel roller plunger for lateral cam approach	XCMN2102L1 <input checked="" type="checkbox"/>	1496
Cat's whisker - 1 NC + 1 NO	XCMN2106L1	1551
Steel end plunger	XCMN2110L1	1210
Thermoplastic roller lever - 1 NC + 1 NO	XCMN2115L1	1320
Roller lever plunger - 1 NC + 1 NO - one direction actuation	XCMN2121L1	1551
Thermoplastic adjustable roller lever - 1 NC + 1 NO	XCMN2145L1	1496

XCKMR (Metal) Limit Switches



For Hoisting & material handling Application
 3 Cable Entry

Type of Operator	Contact Type	Cable Entry	Reference	Unit MRP [₹]
With Cruciform metal rod	2x2 pole NC + NC Staggered	M20 x 1.5	XCKMR54D1H29 <input checked="" type="checkbox"/>	8721
With Cruciform metal rod	2x2 pole NC + NC Staggered	PG 13 Cable Gland	XCKMR54D1 <input checked="" type="checkbox"/>	8850

XCKVR (Plastic) Limit Switch



Type of Operator	Contact Type	Cable Entry	Reference	Unit MRP [₹]
With cruciform metal rod	2x2 pole NC+NC staggered	M20x1.5	XCKVR54D1H29 <input checked="" type="checkbox"/>	3977

Conveyor Belt Shift Monitoring Switches



Type of Operator	Tripping Angle	Reference	Unit MRP [₹]
Spring return roller zinc plated steel with lever For corrosive atmosphere	10° fault signalling 18° stopping of the Conveyor belt	XCRT115	12210
Spring return roller stainless steel with lever	10° fault signalling 18° stopping of the Conveyor belt	XCRT215	17238
Spring Return steel roller lever	23° Stopping of the Conveyor Belt (1 C/O)	XCKJ105217H29	3170

Note:

- Accuracy = 0.05 mm
- 3 cable entries tapped for CM10 cable glands

Safety Detection Solution



Guard Switch, Actuator Operated
Plastic, Turret Head
Mechanical Durability = >1 Million operating cycle
NC contact with positive opening

Operation	Cable Entry	Reference	Unit MRP [₹]
3 Pole NC+ NC + NO - Snap Action	Pg 11	XCSPA491	2170
2 Pole NC + NO - Break Before Make, Slow Break	Pg 11	XCSPA591	1649
2 Pole NC + NO - Break Before Make, Slow Break	½" NTP	XCSPA592 <input checked="" type="checkbox"/>	
2 Pole NC + NC - Slow Break	Pg 11	XCSPA791	
2 Pole NC + NC - Slow Break	½" NTP	XCSPA792	
3 Pole NC+ NO + NO - Slow Break (2NO Staggered)	Pg11	XCSTA591 <input checked="" type="checkbox"/>	2018

XCS LE /LF Safety Solenoid Interlock



Body Type	Contacts	Voltage	Locking	Reference	Unit MRP [₹]
Metal	NO + NC	24V AC/DC	on de-energisation	XCSLF2525312	11879
Plastic	NO + NC	24V AC/DC	on de-energisation	XCSLE2525312 <input checked="" type="checkbox"/>	9899
Plastic	NC + NC + NO	24V AC/DC	on de-energisation	XCSLE3737312	11978

XCSDM Safety coded Magnetic Switch



Contact*	Body Size	Connection	Reference	Unit MRP [₹]
2-pole 1 NC + 1 NO (staggered)	Compact 51 x 16 x 7	2m Cable	XCSDMC5902 <input checked="" type="checkbox"/>	3507
2-pole 1 NO + 1 NO (staggered)	Compact 51 x 16 x 7	2m Cable	XCSDMC7902	3507
2-pole 1 NC + 1 NO (staggered)	Standard 88 x 25 x 13	2m Cable	XCSDMP5902	3053
2-pole 1 NO + 1 NO (staggered)	Standard 88 x 25 x 13	2m Cable	XCSDMP7902	3053
3-pole 1 NC + 1 NO + 1 NO (staggered)	Standard 88 x 25 x 13	M12 Connector	XCSDMP700L01M12	4417
3-pole 1 NC + 1 NO + 1 NO (staggered)	Standard 88 x 25 x 13	M12 Connector	XCSDMP701L01M12	4670
2-pole 1 NC + 1 NO (staggered)	Cylindrical D=30, L= 38.5	M12 Connector	XCSDMR590L01M12	4227

Specifications: Metal/Plastic Body, Precabled, Universal M8, M12 connector, Sensing Distance: Upto 15 mm

[Sn] Nominal Sensing Distance	Sensor Design	Discrete Output Function	Discrete Output Type	Reference	Unit MRP [₹]
Three Wire Metal 12-24V DC, Flush Mountable - Threaded					
1.5mm	M8	1 NC	PNP	XS108BLPBL2	986
			NPN	XS108BLNAL2	1110
		1 NO	PNP	XS108BLPAL2 <input checked="" type="checkbox"/>	963
				XS108BLPAM12 <input checked="" type="checkbox"/>	1100
				XS108BLPAM8	986
Three Wire Metal 12-24V DC, Non Flush Mountable - Threaded					
2.5mm	M8	1 NO	NPN	XS208BLNAL2 <input checked="" type="checkbox"/>	1130
			PNP	XS208BLPAL2 <input checked="" type="checkbox"/>	1130
				XS208BLPAM12	1110
Three Wire Metal 12-24V DC, Flush Mountable - Threaded					
2mm	M12	1NC	PNP	XS112BLPBL2 <input checked="" type="checkbox"/>	1050
			NPN	XS112BLNAL2 <input checked="" type="checkbox"/>	886
		1 NO	PNP	XS112BLNAM12	1040
				XS112BLPAL2 <input checked="" type="checkbox"/>	865
				XS112BLPAM12 <input checked="" type="checkbox"/>	865

Specifications : Metal/Plastic Body, Precabled, Universal M8, M12 connector, Sensing Distance: Upto 15mm

[Sn] Nominal Sensing Distance	Sensor Design	Discrete Output Function	Discrete Output Type	Reference	Unit MRP [₹]
Two Wire - 12-240V AC Metal, Flush Mountable - Threaded					
2 mm	M12	1 NO		XS112BLFAL2	1397
Three Wire Metal 12-24V DC, Non Flush Mountable - Threaded					
4 mm	M12	1 NC	NPN	XS212BLNBL2 <input checked="" type="checkbox"/>	1080
			PNP	XS212BLPBL2 <input checked="" type="checkbox"/>	1080
		1 NO	NPN	XS212BLNAL2	886
			NPN	XS212BLNAM12	1200
			PNP	XS212BLPAL2 <input checked="" type="checkbox"/>	865
			PNP	XS212BLPAL5	1052
			PNP	XS212BLPAM12	886
Three Wire Metal 12-24V DC, Flush Mountable - Threaded					
5 mm	M18	1NC	PNP	XS118BLPBL2	1170
			NPN	XS118BLNAL2 <input checked="" type="checkbox"/>	887
		1 NO	NPN	XS118BLNAM12	1225
			NPN	XS118BLPAL2 <input checked="" type="checkbox"/>	887
			PNP	XS118BLPAL5	1074
			PNP	XS118BLPAL10	1780
			PNP	XS118BLPAM12 <input checked="" type="checkbox"/>	908
Three Wire Metal 12-24V DC, Non Flush Mountable - Threaded					
8 mm	M18	1 NO	NPN	XS218BLNAL2 <input checked="" type="checkbox"/>	886
				XS218BLNAL5	1500
				XS218BLNAM12	1335
			PNP	XS218BLPAL2 <input checked="" type="checkbox"/>	865
				XS218BLPAL5	1052
				XS218BLPAM12 <input checked="" type="checkbox"/>	886

Specifications : Metal/Plastic Body, Precabled, Universal M8, M12 connector, Sensing Distance: Upto 15mm

[Sn] Nominal Sensing Distance	Sensor Design	Discrete Output Function	Discrete Output Type	Reference	Unit MRP [₹]
Three Wire Metal 12-24V DC, Flush Mountable - Threaded					
10mm	M30	1NC	PNP	XS130BLPBL2	1565
		1 NO	NPN	XS130BLNAL2 <input checked="" type="checkbox"/>	1510
			PNP	XS130BLPAL2 <input checked="" type="checkbox"/>	984
				XS130BLPAM12	1580
Three Wire Metal 12-24V DC, Non Flush Mountable - Threaded					
15mm	M30	1NC	PNP	XS230BLPBL2	986
		1 NO	NPN	XS230BLNAL2	1540
			PNP	XS230BLPAL2 <input checked="" type="checkbox"/>	963
				XS230BLPAL5	1151
				XS230BLPAM12	1590

Note :

1. L2 stands for sensors with 2m cable
2. L5 stands for sensors with 5m cable
3. L10 stands for sensors with 10m cable
4. M8 & M12 stand for universal connectors.
5. Connectors to be ordered separately.

Extended Sensing Range

[Sn] Nominal Sensing Distance	Sensor Design	Discrete Output Function	Discrete Output Type	Reference	Unit MRP [₹]
Three Wire Metal 10-36V DC, Flush Mountable - Threaded					
2.5 mm (Length 51 mm)	M8	1 NO	PNP	XS608B1PAL2	2824
2.5 mm (Length 51 mm)	M8	1 NO	PNP	XS608B1PAM12 <input checked="" type="checkbox"/>	2664
4 mm (Length 53 mm)	M12	1 NO	PNP	XS612B1PAL2 <input checked="" type="checkbox"/>	2356
4 mm (Length 53 mm)	M12	1 NO	PNP	XS612B1PAM12 <input checked="" type="checkbox"/>	2220
8 mm (Length 62 mm)	M18	1 NO	PNP	XS618B1PAL2 <input checked="" type="checkbox"/>	2641
8 mm (Length 62 mm)	M18	1 NO	PNP	XS618B1PAM12 <input checked="" type="checkbox"/>	2516
15 mm (Length 62 mm)	M30	1 NO	PNP	XS630B1PAL2 <input checked="" type="checkbox"/>	3143
15 mm (Length 62 mm)	M30	1 NO	PNP	XS630B1PAM12 <input checked="" type="checkbox"/>	2994
Three Wire Metal 12-24V DC, Flush Mountable - Threaded					
4 mm	M12	1 NO	PNP	XS112B3PAL2	1719
				XS112B3PAM12 <input checked="" type="checkbox"/>	1639
Three Wire Metal 12-24V DC, Flush Mountable - Threaded					
8 mm	M18	1 NO	PNP	XS118B3PAL2	1890
				XS118B3PAM12	1799
Three Wire Metal 12-24V DC, Flush Mountable - Threaded					
15 mm	M30	1 NO	PNP	XS130B3PAM12	2038

**Multi Current/Multi Voltage sensor for AC/DC Application
2 Wire, Supply voltage 20...264 LED Out Put State Indicator**

[Sn] Nominal Sensing Distance	Sensor Design	Discrete Output Function	Reference	Unit MRP [₹]
4 mm	M12	NO	XS612B1MAL2 <input checked="" type="checkbox"/>	3620
8 mm	M18	NO	XS618B1MAL2 <input checked="" type="checkbox"/>	
15 mm	M30	NO	XS630B1MAL2 <input checked="" type="checkbox"/>	

Multi Current/Multi voltage Sensor for AC/DC Application

2 wire connection
Supply voltage 20...264 V

Flush-Non flush mountable via teach mode

25 mm	40 x 40 x 15	AC/DC NO	XS8C1A1MAL2	7426
60 mm	80 x 80 x 26	AC/DC NO	XS8D1A1MAL2	9898

Speed Rotation Monitoring Proximity Switches

[Us] Rated Supply voltage	Switching capacity	Wiring technique	[Sn] Sensing distance	Operating zone	Adjustable Freq. Impulse/min	Reference	Unit MRP [₹]
24...210 V DC 24...240 V AC 50/60 Hz	5...200 mA DC 5...350 mA AC	2-wire AC/DC	10 mm	0...8 mm	6...150	XSAV11801 <input checked="" type="checkbox"/>	10504
					120...3000	XSAV12801 <input checked="" type="checkbox"/>	
12...48 V DC	≤ 200 mA overload and short-circuit protection	3-wire DC PNP	10 mm	0...8 mm	6...150	XSAV11373 <input checked="" type="checkbox"/>	10018
					120...3000	XSAV12373 <input checked="" type="checkbox"/>	

Accessories

Description	Sensor Design	Reference	Unit MRP [₹]
Fixing for cylindrical sensor	m18	XSZB118	558

XS Flat Type [Inductive Sensors]

Rated Supply voltage-12...24V DC



Description	Output Function	Switching capacity in mA	[Sn] Sensing distance	Reference	Unit MRP [₹]
Flat form 40x40x15	PNP [NO], 3-wire	<=100 mA	Flush-15mm	XS7C1A1PAL2	2604
Flat form 80x80x26	PNP [NO], 3-wire	<=100 mA	Flush-40mm	XS7D1A1PAL2	3606
Flat form 40x40x15	PNP [NO], 3-wire	<=200mA	Non-Flush-25mm	XS8C1A1PAL2	6750
Flat form 80x80x26	PNP [NO], 3-wire	<=200mA	Non-Flush-60mm	XS8D1A1PAL2	7069



XS Cubic C2 Form



XS Turret Form

Sensing range	Output	Connection	Reference	Unit MRP [₹]
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XS Cubic C2 Form

15mm	1 NO	Terminal	XS7C2A1PAM12	2497
20mm	1 NO + 1NC	Terminal	XS8C2A1PCM12	2825
40mm	1 NO + 1NC	Terminal	XS8C2A4PCM12 <input checked="" type="checkbox"/>	3328

XS Turret Form

15 mm	1NO + 1 NC programmable	Terminals	XS7C4A1DPG13	3915
15 mm	1NO + 1 NC programmable	Terminals	XS7C4A1MPG13 <input checked="" type="checkbox"/>	4432
20mm	1NO+ 1NC	Terminals	XS8C4A1PCG13 <input checked="" type="checkbox"/>	4063
20mm	1NO+ 1NC	Terminals	XS8C4A1PCP20	4924
20mm	1NO + 1 NC programmable	Terminals	XS8C4A1DPG13	6350
20mm	1NO + 1 NC programmable	Terminals	XS8C4A1MPG13	4984
20mm	1NO + 1 NC programmable	Terminals	XS8C4A1MPP20	
20mm	1NO + 1 NC programmable	Terminals	XS8C4A1MPG13	

XT Capacitive sensor

Sensing range	Output	Connection	Reference	Unit MRP [₹]
8mm	1 NO	2M Cable	XT218A1PAL2	2529
8mm	1NC + NO	M12 Connector	XT218A1PCM12 <input checked="" type="checkbox"/>	2558
15mm	1NO	2M Cable	XT230A1PAL2 <input checked="" type="checkbox"/>	2809
15mm	1NO + 1 NC	M12 connector	XT230A1PCM12	2842

OsiSense Ultasonic XX



3 wire connection
Supply voltage 10-28 V DC
Plastic case

[Sn] Nominal Sensing Distance	Sensor Design	Discrete Output Function	Reference	Unit MRP [₹]
50 cm	M18	PNP NO	XX518A3PAM12	8240
1 m	M30	PNP NO	XX6V3A1PAM12 <input checked="" type="checkbox"/>	9790

Sensors with analogue output for DC application

4 wire connection
Supply voltage 10..28 V DC
M12 Connector
Plastic Case

8 m	M30	4..20 mA	XX930A3A2M12	23142
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OsiSense XX



Ultrasonic Sensor for monitoring 2 levels

Sensing Distance	Output	Connection	Reference	Unit MRP [₹]
0.5m	PNP [NO]	M12	XX218A3PHM12	10304



Connector Type	Connection	Shape	Length	Reference	Unit MRP [₹]
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Osi Sense XZ PUR cable

Industrial high end use
 Nominal Current 4A
 Matt Black Colour
 Operation temperature -35 .. +90OC
 IP 67

PUR Pre-wired connector	M8, 3 pins	Straight	2m	XZCP0566L2	567
PUR Pre-wired connector	M8, 3 pins	Straight	5m	XZCP0566L5	810
PUR Pre-wired connector	M8, 3 pins	Elbowed	5m	XZCP0666L5	810
PUR Pre-wired connector	M8, 4 pins	Straight	2m	XZCP0941L2	647
PUR Pre-wired connector	M8, 4 pins	Straight	5m	XZCP0941L5	810
PUR Pre-wired connector	M8, 4 pins	Elbowed	2m	XZCP1041L2	647
PUR Pre-wired connector	M8, 4 pins	Elbowed	5m	XZCP1041L5	810
PUR Pre-wired connector	M12, 4 pins	Straight	2m	XZCP1141L2 <input checked="" type="checkbox"/>	605
PUR Pre-wired connector	M12, 4 pins	Straight	5m	XZCP1141L5 <input checked="" type="checkbox"/>	813
PUR Pre-wired connector	M12, 4 pins	Elbowed	2m	XZCP1241L2 <input checked="" type="checkbox"/>	650
PUR Pre-wired connector	M12, 4 pins	Elbowed	5m	XZCP1241L5 <input checked="" type="checkbox"/>	794

Osi Sense XZ PVC Cable

- General use
- Nominal Current 3A
- Grey Colour
- Operating temperature -25..+80°C
- IP 65

PVC Pre-wired connector	M8, 3 pins	Straight	2m	XZCPV0566L2	495
PVC Pre-wired connector	M8, 3 pins	Straight	5m	XZCPV0566L5	516
PVC Pre-wired connector	M8, 3 pins	Elbowed	5m	XZCPV0666L5	528
PVC Pre-wired connector	M8, 4 pins	Straight	2m	XZCPV0941L2 <input checked="" type="checkbox"/>	540
PVC Pre-wired connector	M8, 4 pins	Straight	5m	XZCPV0941L5	597
PVC Pre-wired connector	M8, 4 pins	Elbowed	2m	XZCPV1041L2	522
PVC Pre-wired connector	M8, 4 pins	Elbowed	5m	XZCPV1041L5	620
PVC Pre-wired connector	M12, 4 pins	Straight	2m	XZCPV1141L2 <input checked="" type="checkbox"/>	424
PVC Pre-wired connector	M12, 4 pins	Straight	5m	XZCPV1141L5 <input checked="" type="checkbox"/>	528
PVC Pre-wired connector	M12, 4 pins	Elbowed	2m	XZCPV1241L2 <input checked="" type="checkbox"/>	424
PVC Pre-wired connector	M12, 4 pins	Elbowed	5m	XZCPV1241L5 <input checked="" type="checkbox"/>	516

Osi Sense XZ Connector

- Protection IP67
- Connection Type Screw Threaded

Male connector	M12, 4 Pin	Straight		XZCC12MDM40B	341
Male connector	M12, 4 Pin	Elbowed		XZCC12MCM40B	341
Male connector	M12, 5 Pin	Straight		XZCC12MDM50B	760
Male connector	M12, 5 Pin	Elbowed		XZCC12MCM50B	760
Female connector	M12, 4 Pin	Straight		XZCC12FDM40B	341
Female connector	M12, 4 Pin	Elbowed		XZCC12FCM40B <input checked="" type="checkbox"/>	341

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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/-

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

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

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

W.E.F. December 19, 2014

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 <input checked="" type="checkbox"/>	330
		2 NO	LADN20 <input checked="" type="checkbox"/>	330
		2 NC	LADN02	
	Side Mounted ⁽¹⁾	2 NO+2NC	LADN22 <input checked="" type="checkbox"/>	555
		4 NC	LADN04	555
		4 NO	LADN40 <input checked="" type="checkbox"/>	
		1 NO+3NC	LADN13	
		3 NO+1NC	LADN31 <input checked="" type="checkbox"/>	
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 <input checked="" type="checkbox"/>	2170
	OFF delay	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	
		Set of shins to be used with 4 pole contactors		LA9D511

(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 [₹]
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	
LC1D09...D38, LC2D09...D38, LC1DT20...DT40, LC2DT20...DT40 (3P)		24...48 V AC	Varistor AC/DC	LAD4VE	715
		24...48 V AC 400 Hz	RC Circuit AC	LAD4RCE	645
		50...127 V AC 200 Hz	RC Circuit AC	LAD4RCG	
		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	
LC1D80...D150, LC2D80...D150 (3P) LC1D4008, LC1D65008, LC1D115, LC2D40...D115 (4P)		24...48 V AC 400 Hz	RC Circuit AC	LA4DA2E	
		50...127 V AC 200 Hz	RC Circuit AC	LA4DA2G	740
		110...240 V AC 100 Hz	RC Circuit AC	LA4DA2U	1125
LC1D80...D95, LC2D80...D95, (3P) LC1D80, 4 poles LC2D80 (4P)		380...415 V AC 150 Hz	RC Circuit AC	LA4DA2N	1125
		24...48 V DC	Varistor AC/DC	LA4DE3E	740
		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

W.E.F. December 19, 2014

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"/>	1755
16...24 A	GV2L22, LC1D25...D38	LRD22 <input checked="" type="checkbox"/>	1755
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	
	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
	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**#	8845

** 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

[Ie] Rated Operational Current AC1	Motor Power (Long Life) kW	Motor Power (Long Life) hP	AC3 A	Motor Power (Normal Life) kW	Motor Power (Normal Life) hP	AC3 A	Reference	Unit 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	LC1F300 ✓	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

[Ie] 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

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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**

Contactors	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

LA7F busbar	LC1F115	LR9-F5369	LA7F401	1705
	LC1F225/265	LR9-F5371	LA7F403	2465
	LC1F225-400	LR9-F7375, LR9-F7379, LR9-F7381	LA7F404	2630
		LC1F500	LR9F7381	LA7F405
	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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Motor Circuit Breakers



- Conforming to IEC 60947-2-3-4
- Thermal magnetic circuit breakers range from 0.1-220 Amps
- High Breaking capacity up to 100 kA
- Conformity to International Standards - UL, CSA, CE
- Wide range of accessories
- S-shaped busbar for side-by-side connection with 40 - 65A Contactor

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

GV2-M Model Thermal Magnetic - With Pushbutton Control (Economy)

Breaking Capacity	Motor Power AC3**	Thermal Protection Adjustment Range	Reference	Unit MRP [₹]	
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	3425	
	0.37	0.63 - 1.0	GV2ME05		
	0.55	1.0 - 1.6	GV2ME06	3440	
	0.75	1.6 - 2.5	GV2ME07		
	1.1	2	2.5 - 4	GV2ME08	3530
	2.2	3	4 - 6.3	GV2ME10	
	3	5.5	6 - 10	GV2ME14	3560
15 kA (1)	5.5	7.5	9 - 14	GV2ME16	4105
	7.5	10	13 - 18	GV2ME20	4485
	9	12.5	17 - 23	GV2ME21	4845
	11	15	20 - 25	GV2ME22	4865
10 kA (1)	15	20	24 - 32	GV2ME32	7920

GV2-P Model Thermal Magnetic - With Rotary Handle Control

Breaking Capacity	Motor Power AC3**	Thermal Protection Adjustment Range	Reference	Unit MRP [₹]	
100 kA	-	0.1 - 0.16	GV2P01	3610	
	0.06	0.16 - 0.25	GV2P02		
	0.09	0.25 - 0.40	GV2P03		
	0.18	0.40 - 0.63	GV2P04	3915	
	0.37	0.63 - 1.0	GV2P05		
	0.55	1.0 - 1.6	GV2P06	4060	
	0.75	1.6 - 2.5	GV2P07		
	1.1	2	2.5 - 4	GV2P08	4375
	2.2	3	4 - 6.3	GV2P10	
	3	5.5	6 - 10	GV2P14	4375
50 kA (2)	5.5	7.5	9 - 14	GV2P16	4960
	7.5	10	13 - 18	GV2P20	6045
	9	12.5	17 - 23	GV2P21	
	11	15	20 - 25	GV2P22	
35 kA (2)	15	20	24 - 32	GV2P32	10245

GV3-P Range Thermal Magnetic - With Rotary Handle Control

Breaking Capacity	Motor Power AC3**	Thermal Protection Adjustment Range	Reference	Unit MRP [₹]
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

Breaking Capacity	Motor Power AC3**	Thermal Protection Adjustment Range	Reference	Unit MRP [₹]
15 kA	37	56...80 A	GV3ME80	13170

** 50/60Hz - 415 V

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

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

Motor Circuit Breakers



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

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

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

Breaking Capacity	Motor Power AC3**	Magnetic Protection Rating (A)	Reference	Unit MRP [₹]		
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
		7.5	10	18		GV2LE20
11		15	25	GV2LE22		
10 kA	15	20	32	GV2LE32	5870	

GV2-L Model Magnetic - With Rotary Handle Control *

Breaking Capacity	Motor Power AC3**	Magnetic Protection Rating (A)	Reference	Unit MRP [₹]		
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
		7.5	10	18		GV2L20
11		15	25	GV2L22		

GV3-L Range Magnetic - With Rotary Handle Control

Breaking Capacity	Motor Power AC3**	Magnetic Protection Rating (A)	Reference	Unit MRP [₹]
50 kA	18.5	40	GV3L40	9495
	22	50	GV3L50	9700
	30	65	GV3L65	10025

GK3 Range Optimal Magnetic - With Rotary Handle Control *

Breaking Capacity	Motor Power AC3**	Magnetic Protection Rating (A)	Reference	Unit MRP [₹]
35 kA	37	80	GK3EF80	10130

* 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)

Breaking Capacity	Motor Power AC3** kW	Thermal Protection Adjustment Range	Reference	Unit MRP [₹]
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

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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	790	
Side contact NO + NC	GVAN11 <input checked="" type="checkbox"/>	870	
	GVAN20	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	
	110 ... 115V 50Hz	GVAU115	2080
Undervoltage trip :	220 ... 240V 50Hz	GVAU225	2080
	380 ... 400V 50Hz	GVAU385	2080
Shunt trip :	110 ... 115V 50Hz	GVAS115	2080
	220 ... 240V 50Hz	GVAS225	2080
	380 ... 400V 50Hz	GVAS385	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
	2	GV2G254	1030
54 mm	3	GV2G354	1170
	4	GV2G454	1470
	5	GV2G554	1585
72 mm	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

[I _{th}]	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

** I_{th} 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

[I _{th}] 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
		KZ74	315

Input Terminal Protection Shrouds

Terminal Shrouds	V02 - V2	VZ8	230
		VZ26	195
	V3 - V4	VZ9	245
		VZ27	195
	V5 - V6	VZ10	315
		VZ28	350
V02 - V6	VZ29	230	

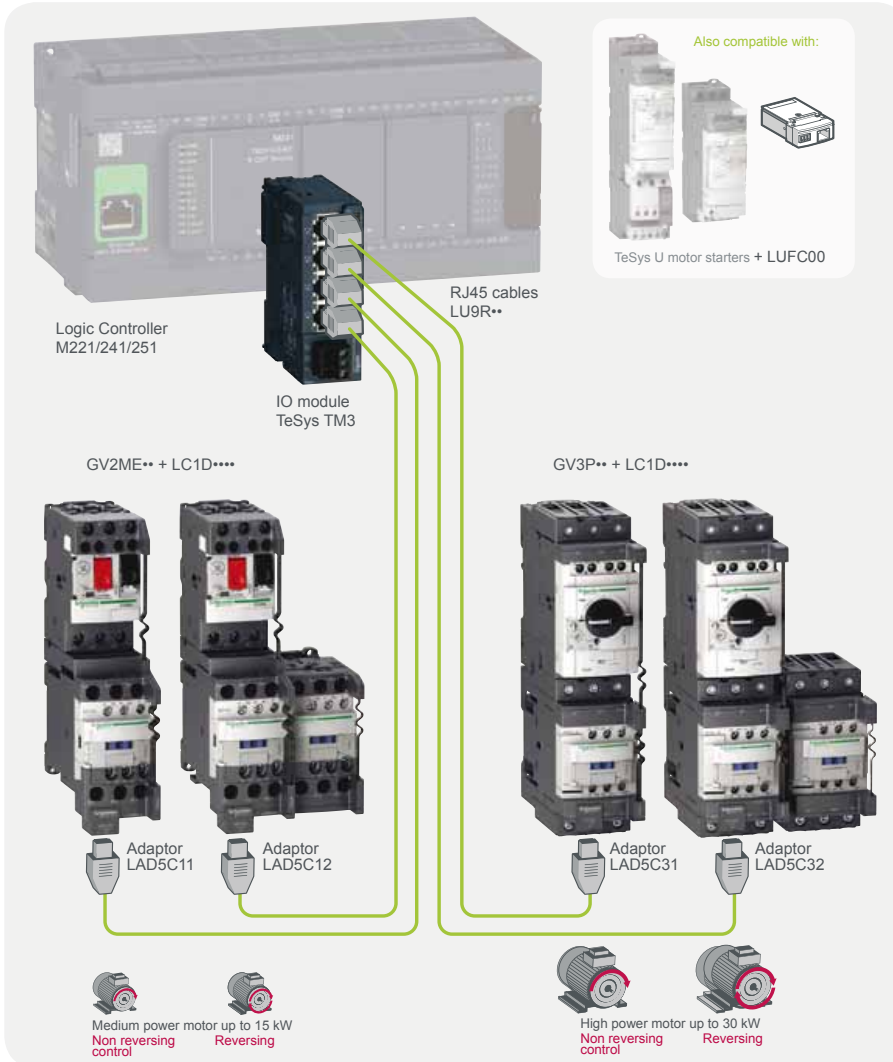
Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

Let TeSys SoLink be your drive!

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



20 times
faster for control
circuit wiring
Simple and fast wiring



100%
upgradable
Plug & Play solutions



0%
Chance of
connection errors
Intuitive connection



100%
availability during
machine life cycles
Software & Hardware
integrated

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



Direct or Reversing

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

Starters D.O.L

Thermal protection Adjustment Range	Motor Power kW	Reference	Unit MRP [₹]
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	3900
12...16 A	7.50	LE1M35**22	3900

** Coil Voltage Code

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

TeSys T Motor Management System - Controllers



- 0.4-810 Amps with inbuilt CTs up to 100 Amps.
- 24V DC and 100-240 AC 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.

Extension 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 to 240VAC	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**	LUCM1XBL	On Request
1.25...5 A	1.5	LUCA05**	LUCB05**	LUCM05BL	On Request
3...12 A	5.5	LUCA12**	LUCB12**	LUCM12BL	On Request
4.5...18 A	7.5	LUCA18**	LUCB18**	LUCM18BL	On Request
8...32 A	15	LUCA32**	LUCB32**	LUCM32BL	On Request

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

** Coil Voltage Code

VOLTAGE	24	48...72	100...240
DC	BL ⁽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

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	NX100	125NHG000B	125	LC1E80	80	LRE363	63- 80	
45	60	81	NX125	160NHG000B	160	LC1E95	95	LRE365	80- 104	
56	75	100	NX160	160NHG000B	160	LC1E120	115	LRE482	84- 135	
80	107	138	NX200	250NHG1B	250	LC1E160	150	LRE483	124- 198	
90	120	165	NX250	250NHG1B	250	LC1E160	160	LRE483	124- 198	
100	135	182	NX250	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	GV2ME22	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.

For EasyPact NKS

Fixed Thermal Magnetic Trip Unit (TMD)

Breaking Capacity Icu as per IEC60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]
10kA	15	NKS100R015AC3P	1630
	20	NKS100R020AC3P	1630
	25	NKS100R025AC3P	1630
	32	NKS100R032AC3P	1630
	40	NKS100R040AC3P	1630
	50	NKS100R050AC3P	1630
	63	NKS100R063AC3P	1630
	75	NKS100R075AC3P	1630
	100	NKS100R100AC3P	1630

For EasyPact EZC

Fixed Thermal Magnetic Trip Unit (TMD)



- Conforms to IEC60947-2
- Suitable for isolation
- Suitable for EasyPact Busbar system

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
30 kA	15A	EZC100H3015 <input checked="" type="checkbox"/>	4340	EZC100H4015	6020
	20A	EZC100H3020 <input checked="" type="checkbox"/>		EZC100H4020	
	25A	EZC100H3025 <input checked="" type="checkbox"/>		EZC100H4025	
	32A	EZC100H3032 <input checked="" type="checkbox"/>		EZC100H4032	
	40A	EZC100H3040 <input checked="" type="checkbox"/>		EZC100H4040	
	50A	EZC100H3050 <input checked="" type="checkbox"/>		EZC100H4050	
	63A	EZC100H3063 <input checked="" type="checkbox"/>		EZC100H4063 <input checked="" type="checkbox"/>	
	80A	EZC100H3080 <input checked="" type="checkbox"/>		EZC100H4080 <input checked="" type="checkbox"/>	
	100A	EZC100H3100 <input checked="" type="checkbox"/>		EZC100H4100 <input checked="" type="checkbox"/>	

For EasyPact CVS

With Thermal Magnetic Trip Unit (TMD)



- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Transparent Cover for trip unit as Standard
- Class II front face
- Single frame size 16-250A

Breaking Capacity Ics as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
EasyPact CVS 100 to 250A					
25 kA	16A	LV510300 <input checked="" type="checkbox"/>	6100	LV510310 <input checked="" type="checkbox"/>	8800
	25A	LV510301 <input checked="" type="checkbox"/>	6100	LV510311 <input checked="" type="checkbox"/>	8800
	32A	LV510302 <input checked="" type="checkbox"/>	6100	LV510312 <input checked="" type="checkbox"/>	8800
	40A	LV510303 <input checked="" type="checkbox"/>	6100	LV510313 <input checked="" type="checkbox"/>	8800
	50A	LV510304 <input checked="" type="checkbox"/>	6100	LV510314 <input checked="" type="checkbox"/>	8800
	63A	LV510305 <input checked="" type="checkbox"/>	6100	LV510315 <input checked="" type="checkbox"/>	8800
	80A	LV510306 <input checked="" type="checkbox"/>	6100	LV510316 <input checked="" type="checkbox"/>	8800
	100A	LV510307 <input checked="" type="checkbox"/>	6100	LV510317 <input checked="" type="checkbox"/>	8800
	125A	LV516302 <input checked="" type="checkbox"/>	9600	LV516312 <input checked="" type="checkbox"/>	11050
	160A	LV516303 <input checked="" type="checkbox"/>	13050	LV516313 <input checked="" type="checkbox"/>	15400
	200A	LV525302 <input checked="" type="checkbox"/>	17700	LV525312 <input checked="" type="checkbox"/>	20310
	250A	LV525303 <input checked="" type="checkbox"/>	20450	LV525313 <input checked="" type="checkbox"/>	23330

For EasyPact NKS / EZC

Description	NKS / EZC100 Reference	Unit MRP [₹]
Auxiliary Contacts (Changeover) Multifunction		
Auxiliary Switch 1 C/O	EZAUX10 <input checked="" type="checkbox"/>	760
Alarm Switch 1 C/O	EZAUX01 <input checked="" type="checkbox"/>	
Spreaders		
Spreaders (Set Of 3) 3P	EZASPDR3P <input checked="" type="checkbox"/>	310
Spreaders (Set Of 4) 4P	EZASPDR4P <input checked="" type="checkbox"/>	410
Rotary Handle		
Standard black handle	EZAROTDS <input checked="" type="checkbox"/>	1030
Shunt Release		
AC		
200-277 V	EZASHT200AC <input checked="" type="checkbox"/>	1630
Under Voltage Release		
AC		
200-240 V	EZAUVR200AC <input checked="" type="checkbox"/>	Price on Request

For EasyPact CVS

Auxiliary Contacts (Changeover) Multifunction

Description	Reference	Unit MRP [₹]
OF or SD or SDE or SDV	29450 <input checked="" type="checkbox"/>	880

Voltage Releases

Description	Shunt Release Reference	Unit MRP [₹]	Undervoltage Reference	Unit MRP [₹]
AC				
220-240 V 50/60 Hz	LV429387 <input checked="" type="checkbox"/>	2160	LV429407 <input checked="" type="checkbox"/>	2830

Installation Accessories

Description	CVS 100/160/250 Reference	Unit MRP [₹]
Spreaders (Set of 3) 3P	LV431563 <input checked="" type="checkbox"/>	670
Spreaders (Set of 4) 4P	LV431564 <input checked="" type="checkbox"/>	880

Rotary Handles

Description	CVS 100/160/250 Reference	Unit MRP [₹]
Direct rotary handles		
Standard black handle	LV429337 <input checked="" type="checkbox"/>	1130
Standard extended rotary handle		
Standard extended rotary handle	LV429338 <input checked="" type="checkbox"/>	1800

Miniature Circuit Breakers - xC60



- Breaking Capacity as per IEC 60898 and IS/IEC 60898, Icn = 10kA
- Breaking Capacity as per IEC 60947-2, Icn = 15kA, upto 40A
- Can be used for DC application upto 60V per pole
- Higher Installation Life : Energy limitation class: 3
- Tropicalization: T2 - relative humidity 95% at 55°C
- Higher performance by Low cost : Cascading*
- Increase system continuity : Discrimination*
- Reference Temperature of 50°C as per IEC60947-2

[In] Rated Current (A)	1 Pole Reference	Unit MRP [₹]	2 Pole Reference	Unit MRP [₹]	3 Pole Reference	Unit MRP [₹]	4 Pole Reference	Unit MRP [₹]
Module Width**	1 mod		2 mod		3 mod		4 mod	
MOQ	12 Nos.		6 Nos.		4 Nos.		3 Nos.	

C curve

1	A9N1P01C <input checked="" type="checkbox"/>	382	A9N2P01C <input checked="" type="checkbox"/>	1040	A9N3P01C <input checked="" type="checkbox"/>	1595	A9N4P01C <input checked="" type="checkbox"/>	2030
2	A9N1P02C <input checked="" type="checkbox"/>	382	A9N2P02C <input checked="" type="checkbox"/>	1040	A9N3P02C <input checked="" type="checkbox"/>	1595	A9N4P02C <input checked="" type="checkbox"/>	2030
3	A9N1P03C <input checked="" type="checkbox"/>	382	A9N2P03C <input checked="" type="checkbox"/>	1040	A9N3P03C <input checked="" type="checkbox"/>	1595	A9N4P03C <input checked="" type="checkbox"/>	2030
4	A9N1P04C <input checked="" type="checkbox"/>	382	A9N2P04C <input checked="" type="checkbox"/>	1040	A9N3P04C <input checked="" type="checkbox"/>	1595	A9N4P04C <input checked="" type="checkbox"/>	2030
6	A9N1P06C <input checked="" type="checkbox"/>	258	A9N2P06C <input checked="" type="checkbox"/>	750	A9N3P06C <input checked="" type="checkbox"/>	1230	A9N4P06C <input checked="" type="checkbox"/>	1650
10	A9N1P10C <input checked="" type="checkbox"/>	258	A9N2P10C <input checked="" type="checkbox"/>	750	A9N3P10C <input checked="" type="checkbox"/>	1230	A9N4P10C <input checked="" type="checkbox"/>	1650
16	A9N1P16C <input checked="" type="checkbox"/>	258	A9N2P16C <input checked="" type="checkbox"/>	750	A9N3P16C <input checked="" type="checkbox"/>	1230	A9N4P16C <input checked="" type="checkbox"/>	1650
20	A9N1P20C <input checked="" type="checkbox"/>	258	A9N2P20C <input checked="" type="checkbox"/>	750	A9N3P20C <input checked="" type="checkbox"/>	1230	A9N4P20C <input checked="" type="checkbox"/>	1650
25	A9N1P25C <input checked="" type="checkbox"/>	258	A9N2P25C <input checked="" type="checkbox"/>	750	A9N3P25C <input checked="" type="checkbox"/>	1230	A9N4P25C <input checked="" type="checkbox"/>	1650
32	A9N1P32C <input checked="" type="checkbox"/>	258	A9N2P32C <input checked="" type="checkbox"/>	750	A9N3P32C <input checked="" type="checkbox"/>	1230	A9N4P32C <input checked="" type="checkbox"/>	1650
40	A9N1P40C <input checked="" type="checkbox"/>	548	A9N2P40C <input checked="" type="checkbox"/>	1230	A9N3P40C <input checked="" type="checkbox"/>	1880	A9N4P40C <input checked="" type="checkbox"/>	2385
50	A9N1P50C <input checked="" type="checkbox"/>	548	A9N2P50C <input checked="" type="checkbox"/>	1230	A9N3P50C <input checked="" type="checkbox"/>	1880	A9N4P50C <input checked="" type="checkbox"/>	2385
63	A9N1P63C <input checked="" type="checkbox"/>	548	A9N2P63C <input checked="" type="checkbox"/>	1230	A9N3P63C <input checked="" type="checkbox"/>	1880	A9N4P63C <input checked="" type="checkbox"/>	2385

D curve

1	A9N1P01D <input checked="" type="checkbox"/>	394	A9N2P01D	1070	A9N3P01D <input checked="" type="checkbox"/>	1645	----	----
2	A9N1P02D <input checked="" type="checkbox"/>	394	A9N2P02D <input checked="" type="checkbox"/>	1070	A9N3P02D <input checked="" type="checkbox"/>	1645	A9N4P02D	2090
3	A9N1P03D <input checked="" type="checkbox"/>	394	A9N2P03D <input checked="" type="checkbox"/>	1070	A9N3P03D <input checked="" type="checkbox"/>	1645	A9N4P03D	2090
4	A9N1P04D <input checked="" type="checkbox"/>	394	A9N2P04D <input checked="" type="checkbox"/>	1070	A9N3P04D <input checked="" type="checkbox"/>	1645	A9N4P04D	2090
6	A9N1P06D <input checked="" type="checkbox"/>	336	A9N2P06D <input checked="" type="checkbox"/>	806	A9N3P06D <input checked="" type="checkbox"/>	1285	A9N4P06D <input checked="" type="checkbox"/>	1710
10	A9N1P10D <input checked="" type="checkbox"/>	336	A9N2P10D <input checked="" type="checkbox"/>	806	A9N3P10D <input checked="" type="checkbox"/>	1285	A9N4P10D <input checked="" type="checkbox"/>	1710
16	A9N1P16D <input checked="" type="checkbox"/>	336	A9N2P16D <input checked="" type="checkbox"/>	806	A9N3P16D <input checked="" type="checkbox"/>	1285	A9N4P16D <input checked="" type="checkbox"/>	1710
20	A9N1P20D <input checked="" type="checkbox"/>	336	A9N2P20D <input checked="" type="checkbox"/>	806	A9N3P20D <input checked="" type="checkbox"/>	1285	A9N4P20D <input checked="" type="checkbox"/>	1710
25	A9N1P25D <input checked="" type="checkbox"/>	336	A9N2P25D <input checked="" type="checkbox"/>	806	A9N3P25D <input checked="" type="checkbox"/>	1285	A9N4P25D <input checked="" type="checkbox"/>	1710
32	A9N1P32D <input checked="" type="checkbox"/>	336	A9N2P32D <input checked="" type="checkbox"/>	806	A9N3P32D <input checked="" type="checkbox"/>	1285	A9N4P32D <input checked="" type="checkbox"/>	1710
40	A9N1P40D <input checked="" type="checkbox"/>	606	A9N2P40D <input checked="" type="checkbox"/>	1315	A9N3P40D <input checked="" type="checkbox"/>	2010	A9N4P40D <input checked="" type="checkbox"/>	2550
50	A9N1P50D <input checked="" type="checkbox"/>	606	A9N2P50D	1315	A9N3P50D	2010	A9N4P50D	2550
63	A9N1P63D	606	A9N2P63D <input checked="" type="checkbox"/>	1315	A9N3P63D <input checked="" type="checkbox"/>	2010	A9N4P63D <input checked="" type="checkbox"/>	2550

Note: * Please contact Sales Office for Coordination Chart

**18mm/module

Miniature Circuit Breakers - C120



- Breaking capacity as per IEC 60898, Icn = 10kA/15kA
- Positive break indication
- Degree of pollution: 3 (suitable for industrial environment)
- Operating Temperature: -30 to 70°C
- Terminal connections:
 - Flexible cables up to 35 sq. mm
 - Rigid cables up to 50 sq. mm
- **Reference temperature 50°C** as per IEC 60947-2

NEW

[In] Rated Current (A)	1 Pole Reference	Unit MRP [₹]	2 Pole Reference	Unit MRP [₹]	3 Pole Reference	Unit MRP [₹]	4 Pole Reference	Unit MRP [₹]
Module Width**	1.5 mod		3 mod		4.5 mod		6 mod	
MOQ	12 Nos.		6 Nos.		4 Nos.		3 Nos.	
C120N (10kA)								
80	A9N18357 <input checked="" type="checkbox"/>	1975	A9N18361 <input checked="" type="checkbox"/>	4385	A9N18365 <input checked="" type="checkbox"/>	6905	A9N18372 <input checked="" type="checkbox"/>	9005
100	A9N18358 <input checked="" type="checkbox"/>	2215	A9N18362 <input checked="" type="checkbox"/>	4680	A9N18367 <input checked="" type="checkbox"/>	7360	A9N18374 <input checked="" type="checkbox"/>	9345
125	A9N18359 <input checked="" type="checkbox"/>	2390	A9N18363 <input checked="" type="checkbox"/>	5140	A9N18369 <input checked="" type="checkbox"/>	8170	A9N18376 <input checked="" type="checkbox"/>	10615
C120H (15kA)								
80	A9N18446	2365	A9N18457	5330	A9N18468	8115	A9N18479	10420
100	A9N18447	2615	A9N18458	5460	A9N18469	8845	A9N18480	11235
125	A9N18448	2850	A9N18459	6195	A9N18470	9535	A9N18481	12205

Miniature Circuit Breakers - C60H-DC



- Specially designed MCB for enhanced protection in DC installation
- Magnetic arch chutes to quick break DC current in event of fault
- Breaking capacity 6kA as per IEC 60947-2
- Voltage Rating: 1P - 250 V DC & 2P - 500 V DC
- Impulse Voltage: 6 kV
- Energy limitation class: 3

[In] Rated Current (A)	Module Width 18mm/module	1 Pole Reference	Unit MRP [₹]	Module Width 18mm/module	2 Pole Reference	Unit MRP [₹]
MOQ		12 Nos.			6 Nos.	
C60H-DC						
0.5	1	A9N61500	670	2	A9N61520	1415
1	1	A9N61501 <input checked="" type="checkbox"/>	670	2	A9N61521 <input checked="" type="checkbox"/>	1415
2	1	A9N61502 <input checked="" type="checkbox"/>	670	2	A9N61522 <input checked="" type="checkbox"/>	1415
3	1	A9N61503 <input checked="" type="checkbox"/>	670	2	A9N61523 <input checked="" type="checkbox"/>	1415
4	1	A9N61504 <input checked="" type="checkbox"/>	670	2	A9N61524 <input checked="" type="checkbox"/>	1415
5	1	A9N61505	670	2	A9N61525	1415
6	1	A9N61506 <input checked="" type="checkbox"/>	520	2	A9N61526 <input checked="" type="checkbox"/>	1155
10	1	A9N61508 <input checked="" type="checkbox"/>	520	2	A9N61528 <input checked="" type="checkbox"/>	1155
16	1	A9N61511 <input checked="" type="checkbox"/>	520	2	A9N61531 <input checked="" type="checkbox"/>	1155
20	1	A9N61512 <input checked="" type="checkbox"/>	520	2	A9N61532 <input checked="" type="checkbox"/>	1155
25	1	A9N61513 <input checked="" type="checkbox"/>	520	2	A9N61533 <input checked="" type="checkbox"/>	1155
32	1	A9N61515 <input checked="" type="checkbox"/>	520	2	A9N61535 <input checked="" type="checkbox"/>	1155
40	1	A9N61517 <input checked="" type="checkbox"/>	684	2	A9N61537 <input checked="" type="checkbox"/>	1560
50	1	A9N61518 <input checked="" type="checkbox"/>	684	2	A9N61538 <input checked="" type="checkbox"/>	1560
63	1	A9N61519 <input checked="" type="checkbox"/>	684	2	A9N61539 <input checked="" type="checkbox"/>	1560

Residual Current Circuit Breakers (RCCBs) - xID



- Complies to standards IEC/EN 61008-1 and IS 12640
- AC Class
- Selective range available for time based discrimination
- Immune to nuisance tripping due to transient over voltage (lighting, switching surges)
- Easy Monitoring: Earth fault indication on front face
- Mandatory to use OF-S auxiliary to add any indication or tripping auxiliary

[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	2 Pole Reference	Unit MRP [₹]	Module Width 18mm/module	4 Pole Reference	Unit MRP [₹]
25	30	2	A9N16201	2690	4	A9N16251	3650
	100	2	A9N16203	2830	4	A9N16253	3765
	300	2	A9N16202	2905	4	A9N16252	3875
40	30	2	A9N16204	3150	4	A9N16254	3665
	100	2	A9N16205	3310	4	A9N16255	3840
	300	2	A9N16206	3415	4	A9N16256	3915
63	30	2	A9N16208	3695	4	A9N16258	4205
	100	2	A9N16209	3905	4	A9N16259	4490
	300	2	A9N16210	3980	4	A9N16260	4535
80	30	2	A9N16212	6250	4	A9N16261	7030
	100	2	A9N16213	6550	4	A9N16262	7240
	300	2	A9N16214	6670	4	A9N16263	7355

RCCB-ID - Special 100/125A



- Complies to standards IEC 61008-1 and VDE 0664
- AC Class
- Pollution Degree - 3
- Immune to nuisance tripping due to transient over voltages
- Electrical ON/OFF indication by using OFSP auxiliary

Poles Description	[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	Reference	Unit MRP [₹]
4P	100	30	4	**A9R11491	8975
		100	4	**A9R12491	9085
		30	4	16905	25045
	125	100	4	16906	25795
		300	4	16907	26295

Note: **For 100A RCCB Auxiliary kindly contact Customer Care

RCBO - DPN N Vigi



- Complies to standards IEC/EN 61009
- AC class protection
- Immune to nuisance tripping due to transient over voltages
- Overvoltage category (IEC 60364): IV
- Tripping characteristics - C Curve
- Suitable for indication & tripping auxiliaries

Poles Description	[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	Reference	Unit MRP [₹]
1P+N	6	30	2	A9N19661	4020
		300	2	A9N19681	4140
	10	30	2	A9N19663	4020
		300	2	A9N19683	4140
	16	30	2	A9N19665	4020
		300	2	A9N19685	4140
	20	30	2	A9N19666	4020
		300	2	A9N19686	4140
	25	30	2	A9N19667	4020
		300	2	A9N19687	4140
	32	30	2	A9N19668	4225
		300	2	A9N19688	4350
	40	30	2	A9N19669	4995
		300	2	A9N19689	5140

Note: For all above references MOQ = 1

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

Isolator - xSW



- Complies to IEC 60669-1/60947-3
- Switching duty: AC-22
- Impulse voltage: 6kV
- DC application: 48V (110V with 2 poles in series)
- Short circuit withstand 20 In for 1 second
- Upto 80A Bi connect terminals & 100A to 125A with mono connect terminals

Poles Description	[In] Rated Current (A)	Module Width 18mm/module	MOQ	Reference	Unit MRP [₹]
2	40	2	6	A9S2P040	468
	63	2	6	A9S2P063	630
	80	2	6	A9S2P080	710
	100	2	6	A9S2P100	1070
	125	2	6	A9S2P125	1105
3	40	3	4	A9S3P040	828
	63	3	4	A9S3P063	952
4	40	4	3	A9S4P040	1040
	63	4	3	A9S4P063	1140
	80	4	3	A9S4P080	1615
	100	4	3	A9S4P100	1615
	125	4	3	A9S4P125	1715

Surge Arresters - Type 1+ 2



- Complies to IEC 61643-1 and EN 61643-11
- Withdraw able type: Easy Replacement
- Inbuilt SPD health indicator
- Also available with remote signaling
- For protection against:
 - Direct lightning surge
 - Indirect lightning surge
 - Switching surge
- Iimp up to 25kA & I_{max} upto 40kA
- Maximum Operating Voltage [Uc]: 350V

Type	Poles Description	Module Width 18mm/module	Reference	Unit MRP [₹]
PRD1 25r	1P	2	16329	8010
	1P + N	4	16330	17630
	3P	6	16331	26440
	3P + N	8	16332	32850

Surge Arresters iPRD- Type 2 (Withdrawable type) NEW (TT, TN-S, TN-C Systems)



- In conformance with standards IEC 61643-11/2011 T2 and EN 61643-11 Type 2
- For protection against:
 - Indirect lightning surge
 - Switching Surge
- Inbuilt health indicator
- Response time < 25ns
- I_{max} (8/20 μs): 65/40/15/8kA
- Maximum Operating Voltage [Uc]: 340V
- Level of protection, Up: 1.0 - 2.0 kV
- Remote indication contact with 8r/20r/40r/65r

Type	Rated Voltage (V)	Pole Description	Module Width 18mm/module	Reference	Unit MRP [₹]
iPRD8	230	1P	1	A9L08100	2820
	230	1P+N	2	A9L08500	5520
	230/400	3P	3	A9L08300	7460
iPRD8r	230/400	3P+N	4	A9L08600	11270
	230	1P+N	2	A9L08501	6625
iPRD20	230/400	3P+N	4	A9L08601	13525
	230	1P	1	A9L20100	3220
	230	1P+N	2	A9L20500	7085
iPRD20r	230/400	3P	3	A9L20300	9075
	230/400	3P+N	4	A9L20600	13205
	230	1P+N	2	A9L20501	8505
iPRD40	230/400	3P+N	4	A9L20601	15845
	230	1P	1	A9L40100	4025
	230	1P+N	2	A9L40500	8240
iPRD40r	230/400	3P	3	A9L40300	11835
	230/400	3P+N	4	A9L40600	16505
	230	1P	1	A9L40101	4830
iPRD65r	230	1P+N	2	A9L40501	10630
	230/400	3P	3	A9L40301	15940
	230/400	3P+N	4	A9L40601	19805
iPRD65r	230	1P	1	A9L65101	6280
	230	1P+N	2	A9L65501	13820
	230/400	3P	3	A9L65301	18040
	230/400	3P+N	4	A9L65601	23410

Spare Cartridges for iPRD NEW



- Spare cartridges for iPRD8r, iPRD20r, iPRD40r and iPRD65r
- C65r and C40r are with operating back-up
- End of life indication available

Type	Spare cartridges for	Reference	Unit MRP [₹]
iPRD 65-350	iPRD65r	A9L65102	3930
iPRD 40-350	iPRD40, iPRD40r	A9L40102	3020
iPRD 20-350	iPRD20, iPRD20r	A9L20102	2415
iPRD 8-350	iPRD8, iPRD8r	A9L08102	2115
iPRD Neutral	All products (1P+N, 3P+N)	A9L00002	3180

Note: For all above references MOQ = 1

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

*Surge Arresters iPRD- Type 2 (Withdrawable type)

(TT, TN-S, TN-C and IT Systems)



- In conformance with standards IEC 61643-11/2011 T2 and EN 61643-11 Type 2
- For protection against:
 - Indirect lighting surge
 - Switching Surge
- Inbuilt health indicator
- Response time < 25ns
- I_{max} (8/20 μs): 65/40/15/8kA
- Maximum Operating Voltage [U_c]: 340V
- Level of protection, U_p: 1.0 - 2.0 kV
- Remote indication contact with 65r/40r

Type	Poles Description	Module Width 18mm/module	Reference	Unit MRP [₹]
PRD 8	1P	1	A9L16576	2820
	1P + N	2	A9L16577	5520
	3P	3	A9L16449	7460
	3P + N	4	A9L16579	11270
PRD 20	1P	1	A9L16571	3220
	1P + N	2	A9L16572	7085
	3P	3	A9L16447	9075
PRD 40	3P + N	4	A9L16574	13205
	1P	1	A9L16566	4025
	1P + N	2	A9L16567	8240
PRD 40r	3P	3	A9L16568	11835
	3P + N	4	A9L16569	16505
	1P	1	A9L16561	4830
PRD 65r	1P + N	2	A9L16562	10630
	3P	3	A9L16445	15940
	3P + N	4	A9L16564	19805
PRD 65r	1P	1	A9L16556	6280
	1P + N	2	A9L16557	13820
	3P	3	A9L16443	18040
	3P + N	4	A9L16559	23410

*Surge Arresters Cartridge - Type 2 (for iPRD)



Type	[Up] Voltage Level (kV)	Reference	Unit MRP [₹]
C65-340	1.5	A9L16681	3930
C40-340	1.2	A9L16685	3020
C20-340	1.2	A9L16687	2415
C8-340	1.2	A9L16689	2115
C neutral	1.2	A9L16691	3180

*Note: Available till stock Lasts

iQuick PRD - Type 2 with inbuilt MCB



Type	Poles Description	Module Width 18mm/module	Reference	Unit MRP [₹]
Quick PRD 8r	1P+N	4	A9L16298	7985
	3P	6.5	A9L16299	11965
	3P+N	7.5	A9L16300	14885
Quick PRD 40r	1P+N	4	A9L16292	11400
	3P	6.5	A9L16293	17090
	3P+N	7.5	A9L16294	21245

Photovoltaic surge arresters



- Protection for photovoltaic panels and the “DC” input to the inverter from overvoltages due to a lightning strike
- Type 2 surge arresters

Type	[Ue] Maximum Operating Voltage (V)	Module Width 18mm/module	Reference	Unit MRP [₹]
PRD 40r	600	3	A9L16434	6230
	1000	3	A9L16436	7115

Surge Arresters for Communication Networks



- In conformance with standard IEC 61643 class 2 test
- Protection for 2 low-current lines without common potential or 4 lines with common reference potential

Type	[Ue] Operational Voltage (V)	Module Width 18mm/module	Reference	Unit MRP [₹]
PRI	48 V DC	1	A9L16339	11600
PRC	130 V AC	1	A9L16337	6760

Note: For all above references MOQ = 1

Make the most of your energySM

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

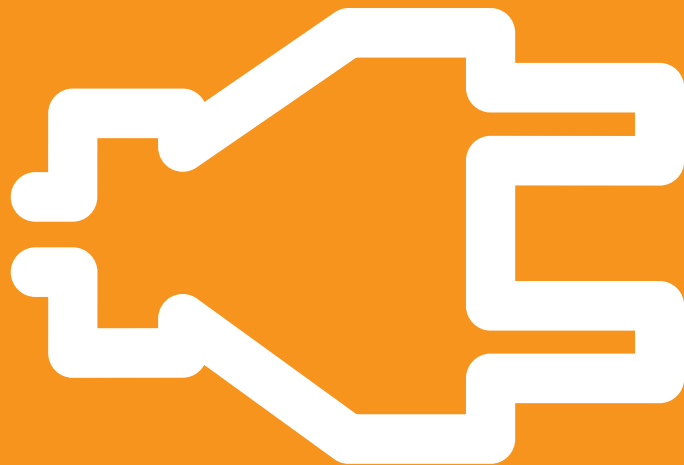
- All Prices are in Indian Rupees.
- Prices are subject to change without notice.
- Prices charged will be as prevailing on the date of dispatch.
- Maximum Retail Price (MRP) is inclusive of all taxes.


Distributor

📖 Price List

Final Distribution and Life Space Products

With effect from December 19, 2014



Schneider
 Electric

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Acti 9 | Advanced Communication Technology that Inspires.....

> Innovative

- Centralized control system including energy metering
- Large and variable data reading and computing through universal Modbus protocol

> Efficient

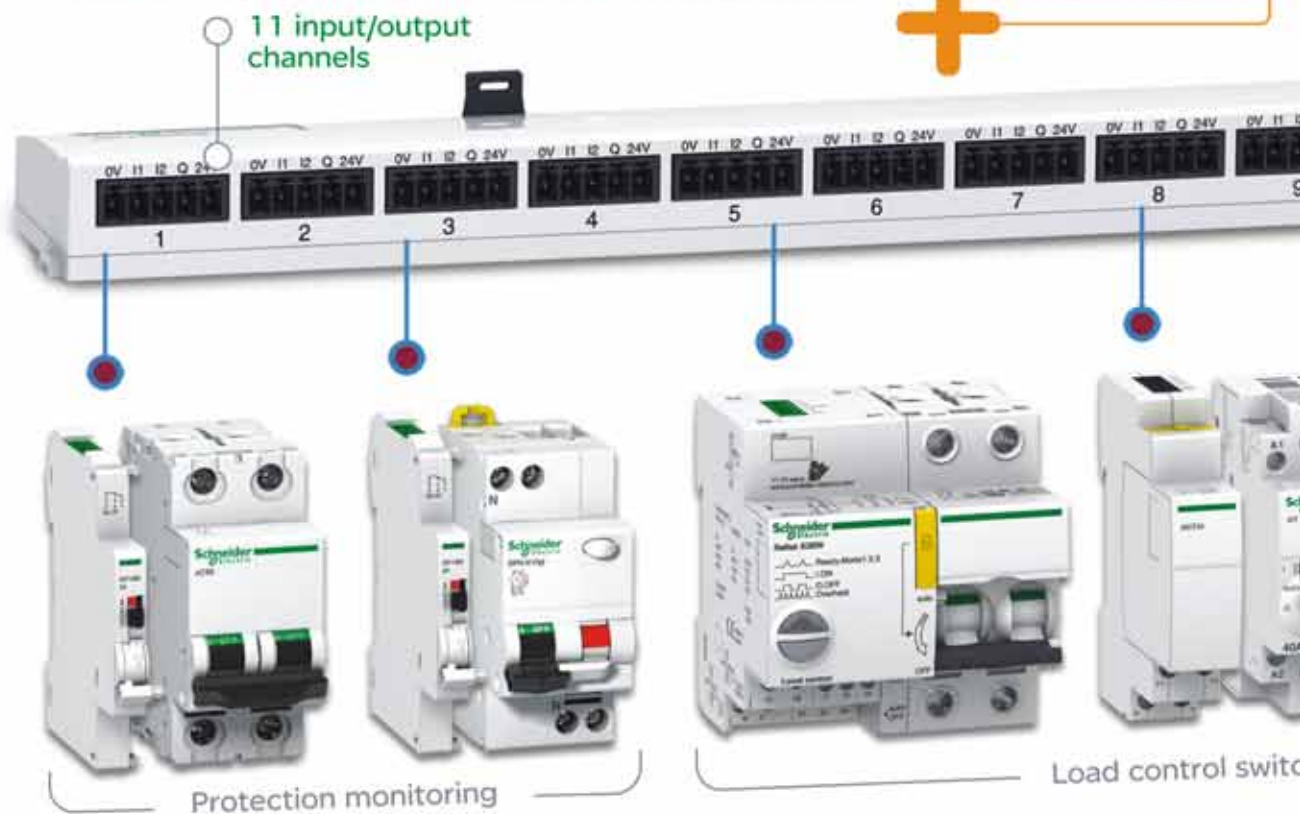
- One-click, prefabricated wiring for comprehensive communication between your distribution panel and any facility management system

> Reliable

- Error proof connection leading to reduction in downtime
- EMC tested for immunity, radiated and conducted safety

Acti 9 Smartlink: the heart of the system

Exclusively From
Schneider Electric



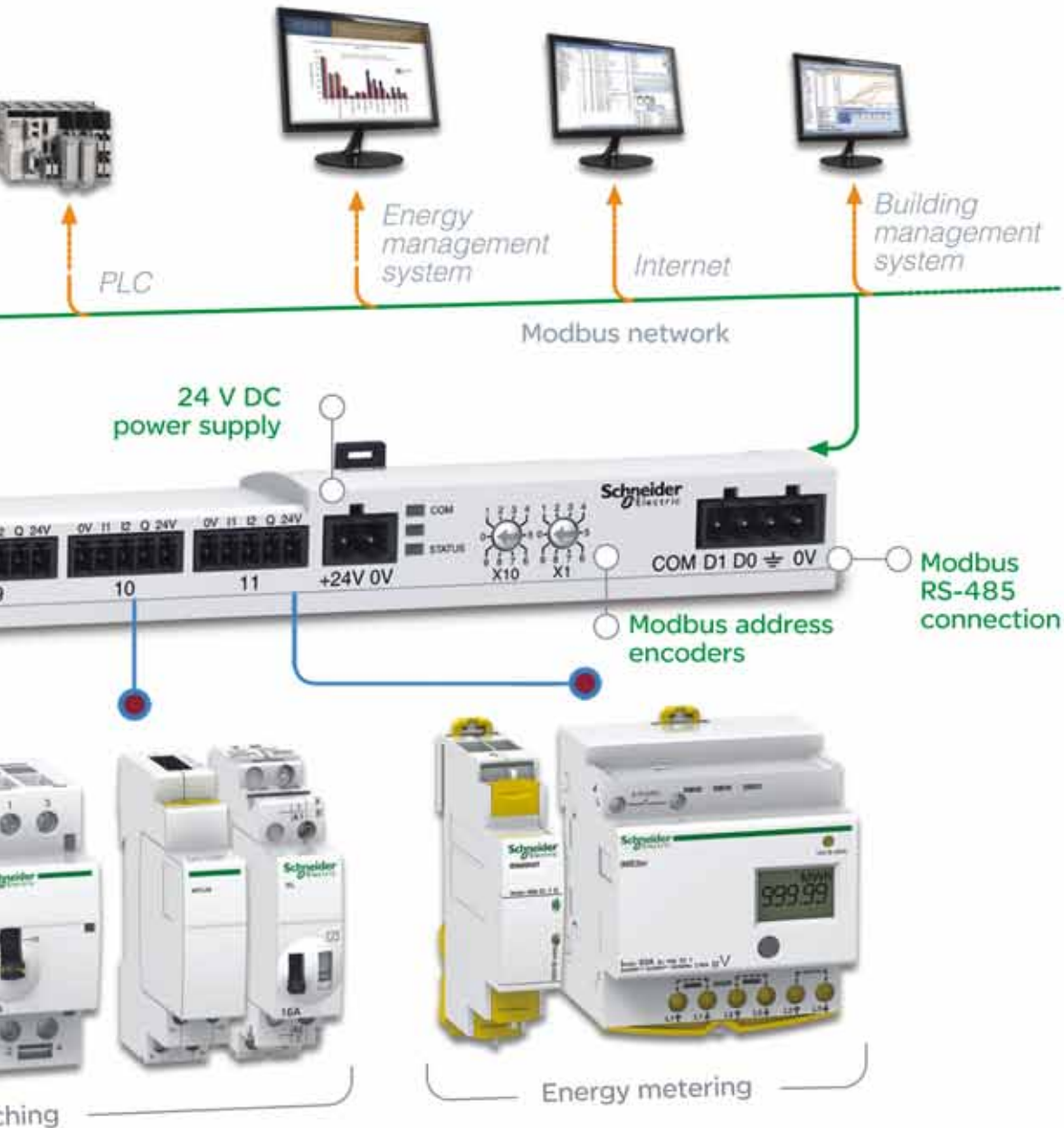
Meets the challenge of all your applications

Detailed load control, reduced downtime and accurately planned maintenance

Ready to connect to any facility management solution



Now available in Ethernet Version



Green Products
100% Recyclable and Recoverable
REACH and RoHS compliant

Smartlink



- Compliance to IEC/EN 61131-2
- Modbus processing interface providing:
 - Circuit Breaker status
 - Energy meter output
 - Contactor/Impulse relay control and status
- Smart functions integrated
 - Energy counting from pulses
 - Average power calculation
 - Event counting
 - Running hours
- Fast, safe and simplified cabling: Pre-fabricated cables
- Rated Voltage: 24V DC

Description	Reference	Unit MRP [₹]
Smartlink Modbus	A9XMSB11	29155
Smartlink IP	A9XMEA08	32550



Auxiliary for Protection Devices (OF+SD24)



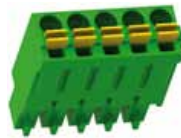
Auxiliary for Contactors (iACT24)



Auxiliary for Impulse Relays (iATL24)

Description	Module Width	Reference	Unit MRP [₹]
OF+SD24	0.5	A9N26899	1960
iACT24	1	A9C15924	9450
iATL24	1	A9C15424	9950

Accessories



Description	Set of	Reference	Unit MRP [₹]
Prefabricated Cables:			
With 2 Connectors			
Short: 100mm	6	A9XCAS06	3895
Medium Sized: 160mm	6	A9XCAM06	3925
Long: 870mm	6	A9XCAL06	4470
With 1 Connector			
Long:870mm	6	A9XCAU06	2685
Connectors			
5-pin connectors (Ti24)	12	A9XC2412	5620
Mounting Kit			
Din Rail (4 feet, 4 Straps, 4 Adapters)	1	A9XMFA04	1090
Multiclip			
Multiclip 80A	1	04000	6780
Spare Parts			
Lock for Multiclip 80A (2 clips)	1	A9XMLA02	336
Distribloc 63A			
Distribution from the top (4 Module)	1	04040	7890
Distribution through the bottom (4 Module)	1	04041	7905
Power Logic EGX100 - Ethernet port (4 Module)	1	30002879	28000
Power Logic EGX300 - Ethernet port (4 Module)	1	30002885	30000
ABL Power Supply - 1.2A 24VDC	1	ABL8MEM24012	5700
ABL Power Supply - 0.6A 24VDC	1	ABL8MEM24006	4200
Double DIN rail	1	LSL58801A	370

☑ NORMAL STOCK ITEMS

W.E.F. December 19, 2014

Reflex iC60 - Integrated Control & Overcurrent Protection Device



- 10kA Breaking capacity as per IEC/EN 60947-2,
- Ti24 interface: Connection to PLC
- 3 operating modes: For various applications
- For safe lock down: Integrated Padlocking
- Simplified maintenance: Front face indicator allows better reliability

[In] Rated Current (A)	2 Pole Reference	Unit MRP [₹]	3 Pole Reference	Unit MRP [₹]	4 Pole Reference	Unit MRP [₹]
Module Width **	4.5 mod		5.5 mod		6.5 mod	
B Curve						
10	A9C61210	30870	A9C61310	33225	A9C61410	34570
16	A9C61216	30890	A9C61316	33255	A9C61416	34610
25	A9C61225	30925	A9C61325	33320	A9C61425	34680
40	A9C61240	32865	A9C61340	36210	A9C61440	38545
63	A9C61263	34010	A9C61363	36915	A9C61463	38790
C Curve						
10	A9C62210	30875	A9C62310	33230	A9C62410	34580
16	A9C62216	30890	A9C62316	33255	A9C62416	34610
25	A9C62225	30925	A9C62325	33310	A9C62425	34685
40	A9C62240	32875	A9C62340	36230	A9C62440	38570
63	A9C62263	34005	A9C62363	36915	A9C62463	38795
D Curve						
10	A9C63210	30875	A9C63310	33230	A9C63410	34580
16	A9C63216	30890	A9C63316	33250	A9C63416	34610
25	A9C63225	30925	A9C63325	33320	A9C63425	34685

Note: **18mm/module

Energy Meters



- Digital Kilowatt-hour meters designed for sub-metering of active energy (rms) consumed by a single-phase or three-phase electric circuit with or without distributed neutral
- CommReady DB mountable version
- Accuracy class-1
- No External CT required
- iME meters with localized display

Description	Reference	Unit MRP [₹]
iEM3000 Series, DIN Rail Mounting - 1Phase / 3 Phase - for LV Distribution		
● Accuracy class 1/0.5S , Suitable for Direct Current Measurement up to 63 Amp for four Quadrant Measurement , DI/DO and Alarm		
iEM 2000T 1Ph Energy Meter upto 40A, POP w/o Display	A9MEM2000T	6245
iEM Single Phase Energy Meter upto 63A with POP, Accuracy CL 1	A9M17067	11014
iEM3110 3 Phase Energy Meter Energy Meter with POP Accuracy CL 1 0	A9MEM3110	13980
iEM3150 3 Phase Energy Meter Energy Meter with V,I,Power, Accuracy C L 1 0, with Modbus	A9MEM3150	15415
iEM3155 Multifunction 3 Phase Energy Meter with V,I,F,PF,Power, Energy,1DI/1DO, Multi Tariff, with Modbus Accuracy CL 1 0	A9MEM3155	16137

Note : For Higher Currents /Loads , Select iEM32 Series , CT Operated , Accuracy CL 0.5S

Acti 9

Advanced Communication
Technology that Inspires

> Protection de vices

- Miniature circuit breakers
- Residual current circuit breakers
- Vigi™ residual current devices
- Surge Protection Devices

> Protection monitoring and supervision

- Indication and tripping auxiliaries
- Remote control auxiliaries
- Automatic recloser auxiliaries



Innovative

Protection monitoring, Total control and Metering @ DB level



Efficient

Manage loads, reduce operating and project costs, and accurately plan maintenance

> Control and monitoring

- Contactors
- Impulse relays
- Integrated control circuit breakers
- Light indicators
- Push-buttons and selector switches
- Kilowatt hour meters
- Communicating architecture

> Installation system

- IP20B terminals
- Splitter blocks
- Full range of mounting and wiring accessories



Reliable

Dual certifications for one product, 100 percent MCB and RCD coordination, easy ordering and design, error free fast connections

Miniature Circuit Breakers - xC60



- Breaking Capacity as per IEC 60898 and IS/IEC 60898, Icn = 10kA
- Breaking Capacity as per IEC 60947-2, Icn = 15kA, upto 40A
- Can be used for DC application upto 60V per pole
- Higher Installation Life : Energy limitation class: 3
- Tropicalization: T2 - relative humidity 95% at 55°C
- Higher performance by Low cost : Cascading*
- Increase system continuity : Discrimination*
- Reference Temperature of 50°C as per IEC60947-2

[In] Rated Current (A)	1 Pole Reference	Unit MRP [₹]	2 Pole Reference	Unit MRP [₹]	3 Pole Reference	Unit MRP [₹]	4 Pole Reference	Unit MRP [₹]
Module Width**	1 mod		2 mod		3 mod		4 mod	
MOQ	12 Nos.		6 Nos.		4 Nos.		3 Nos.	

B curve

6	A9N1P06B	250	A9N2P06B	736	A9N3P06B	1210	A9N4P06B	1625
10	A9N1P10B	250	A9N2P10B	736	A9N3P10B	1210	A9N4P10B	1625
16	A9N1P16B	250	A9N2P16B	736	A9N3P16B	1210	A9N4P16B	1625
20	A9N1P20B	250	A9N2P20B	736	A9N3P20B	1210	A9N4P20B	1625
25	A9N1P25B	250	A9N2P25B	736	A9N3P25B	1210	A9N4P25B	1625
32	A9N1P32B	250	A9N2P32B	736	A9N3P32B	1210	A9N4P32B	1625
40	A9N1P40B	538	A9N2P40B	1205	A9N3P40B	1845	A9N4P40B	2340
50	A9N1P50B	538	A9N2P50B	1205	A9N3P50B	1845	A9N4P50B	2340
63	A9N1P63B	538	A9N2P63B	1205	A9N3P63B	1845	A9N4P63B	2340

C curve

1	A9N1P01C	382	A9N2P01C	1040	A9N3P01C	1595	A9N4P01C	2030
2	A9N1P02C	382	A9N2P02C	1040	A9N3P02C	1595	A9N4P02C	2030
3	A9N1P03C	382	A9N2P03C	1040	A9N3P03C	1595	A9N4P03C	2030
4	A9N1P04C	382	A9N2P04C	1040	A9N3P04C	1595	A9N4P04C	2030
6	A9N1P06C	258	A9N2P06C	750	A9N3P06C	1230	A9N4P06C	1650
10	A9N1P10C	258	A9N2P10C	750	A9N3P10C	1230	A9N4P10C	1650
16	A9N1P16C	258	A9N2P16C	750	A9N3P16C	1230	A9N4P16C	1650
20	A9N1P20C	258	A9N2P20C	750	A9N3P20C	1230	A9N4P20C	1650
25	A9N1P25C	258	A9N2P25C	750	A9N3P25C	1230	A9N4P25C	1650
32	A9N1P32C	258	A9N2P32C	750	A9N3P32C	1230	A9N4P32C	1650
40	A9N1P40C	548	A9N2P40C	1230	A9N3P40C	1880	A9N4P40C	2385
50	A9N1P50C	548	A9N2P50C	1230	A9N3P50C	1880	A9N4P50C	2385
63	A9N1P63C	548	A9N2P63C	1230	A9N3P63C	1880	A9N4P63C	2385

D curve

1	A9N1P01D	394	A9N2P01D	1070	A9N3P01D	1645	----	----
2	A9N1P02D	394	A9N2P02D	1070	A9N3P02D	1645	A9N4P02D	2090
3	A9N1P03D	394	A9N2P03D	1070	A9N3P03D	1645	A9N4P03D	2090
4	A9N1P04D	394	A9N2P04D	1070	A9N3P04D	1645	A9N4P04D	2090
6	A9N1P06D	336	A9N2P06D	806	A9N3P06D	1285	A9N4P06D	1710
10	A9N1P10D	336	A9N2P10D	806	A9N3P10D	1285	A9N4P10D	1710
16	A9N1P16D	336	A9N2P16D	806	A9N3P16D	1285	A9N4P16D	1710
20	A9N1P20D	336	A9N2P20D	806	A9N3P20D	1285	A9N4P20D	1710
25	A9N1P25D	336	A9N2P25D	806	A9N3P25D	1285	A9N4P25D	1710
32	A9N1P32D	336	A9N2P32D	806	A9N3P32D	1285	A9N4P32D	1710
40	A9N1P40D	606	A9N2P40D	1315	A9N3P40D	2010	A9N4P40D	2550
50	A9N1P50D	606	A9N2P50D	1315	A9N3P50D	2010	A9N4P50D	2550
63	A9N1P63D	606	A9N2P63D	1315	A9N3P63D	2010	A9N4P63D	2550

Note: * Please contact Sales Office for Coordination Chart
**18mm/module

Miniature Circuit Breakers - C120



- Breaking capacity as per IEC 60898, Icn = 10kA/15kA
- Positive break indication
- Degree of pollution: 3 (suitable for industrial environment)
- Operating Temperature: -30 to 70°C
- Terminal connections:
 - Flexible cables up to 35 sq. mm
 - Rigid cables up to 50 sq. mm

NEW

- **Reference temperature 50°C** as per IEC 60947-2

[In] Rated Current (A)	1 Pole Reference	Unit MRP [₹]	2 Pole Reference	Unit MRP [₹]	3 Pole Reference	Unit MRP [₹]	4 Pole Reference	Unit MRP [₹]
Module Width**	1.5 mod		3 mod		4.5 mod		6 mod	
MOQ	12 Nos.		6 Nos.		4 Nos.		3 Nos.	

C120N (10kA)								
80	A9N18357	1975	A9N18361	4385	A9N18365	6905	A9N18372	9005
100	A9N18358	2215	A9N18362	4680	A9N18367	7360	A9N18374	9345
125	A9N18359	2390	A9N18363	5140	A9N18369	8170	A9N18376	10615

C120H (15kA)								
80	A9N18446	2365	A9N18457	5330	A9N18468	8115	A9N18479	10420
100	A9N18447	2615	A9N18458	5460	A9N18469	8845	A9N18480	11235
125	A9N18448	2850	A9N18459	6195	A9N18470	9535	A9N18481	12205

Miniature Circuit Breakers - C60H-DC



- Specially designed MCB for enhanced protection in DC installation
- Magnetic arch chutes to quick break DC current in event of fault
- Breaking capacity 6kA as per IEC 60947-2
- Voltage Rating: 1P - 250 V DC & 2P - 500 V DC
- Impulse Voltage: 6 kV
- Energy limitation class: 3

[In] Rated Current (A)	Module Width 18mm/module	1 Pole Reference	Unit MRP [₹]	Module Width 18mm/module	2 Pole Reference	Unit MRP [₹]
MOQ		12 Nos.			6 Nos.	

C60H-DC						
0.5	1	A9N61500	670	2	A9N61520	1415
1	1	A9N61501	670	2	A9N61521	1415
2	1	A9N61502	670	2	A9N61522	1415
3	1	A9N61503	670	2	A9N61523	1415
4	1	A9N61504	670	2	A9N61524	1415
5	1	A9N61505	670	2	A9N61525	1415
6	1	A9N61506	520	2	A9N61526	1155
10	1	A9N61508	520	2	A9N61528	1155
16	1	A9N61511	520	2	A9N61531	1155
20	1	A9N61512	520	2	A9N61532	1155
25	1	A9N61513	520	2	A9N61533	1155
32	1	A9N61515	520	2	A9N61535	1155
40	1	A9N61517	684	2	A9N61537	1560
50	1	A9N61518	684	2	A9N61538	1560
63	1	A9N61519	684	2	A9N61539	1560



NG125 MCB	
Current Rating	up to 125A
Poles	1P, 2P, 3P, 4P
Breaking Capacity	16kA, 25kA, 36kA, 50kA
Standard	IEC/EN 60947-2



UL MCB		
Type	UL1077 MCB	UL489 MCB
Poles	1,2,3,4	1,2,3
Breaking Capacity	10kA	10kA
Standard	IEC 60947-2/UL1077/CSA	IEC 60947-2/ UL489

Note:

Separate MCB range available for PV applications.
For references and prices contact nearest sales office or customer care.

Residual Current Circuit Breakers (RCCBs) - xID



- Complies to standards IEC/EN 61008-1 and IS 12640
- AC Class
- Selective range available for time based discrimination
- Immune to nuisance tripping due to transient over voltage (lighting, switching surges)
- Easy Monitoring: Earth fault indication on front face
- Mandatory to use OF-S auxiliary to add any indication or tripping auxiliary

[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	2 Pole Reference	Unit MRP [₹]	Module Width 18mm/module	4 Pole Reference	Unit MRP [₹]
25	30	2	A9N16201	2690	4	A9N16251	3650
	100	2	A9N16203	2830	4	A9N16253	3765
	300	2	A9N16202	2905	4	A9N16252	3875
40	30	2	A9N16204	3150	4	A9N16254	3665
	100	2	A9N16205	3310	4	A9N16255	3840
	300	2	A9N16206	3415	4	A9N16256	3915
63	30	2	A9N16208	3695	4	A9N16258	4205
	100	2	A9N16209	3905	4	A9N16259	4490
	300	2	A9N16210	3980	4	A9N16260	4535
80	30	2	A9N16212	6250	4	A9N16261	7030
	100	2	A9N16213	6550	4	A9N16262	7240
	300	2	A9N16214	6670	4	A9N16263	7355

RCCB-ID - Special 100/125A



- Complies to standards IEC 61008-1 and VDE 0664
- AC Class
- Pollution Degree - 3
- Immune to nuisance tripping due to transient over voltages
- Electrical ON/OFF indication by using OFSP auxiliary

Poles Description	[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	Reference	Unit MRP [₹]
4P	100	30	4	**A9R11491	8975
		100	4	**A9R12491	9085
		30	4	16905	25045
	125	100	4	16906	25795
		300	4	16907	26295

Note: **For 100A RCCB Auxiliary kindly contact Customer Care

RCBO - DPN N Vigì



- Complies to standards IEC/EN 61009
- AC class protection
- Immune to nuisance tripping due to transient over voltages
- Overvoltage category (IEC 60364): IV
- Tripping characteristics - C Curve
- Suitable for indication & tripping auxiliaries

Poles Description	[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	Reference	Unit MRP [₹]
1P+N	6	30	2	A9N19661	4020
		300	2	A9N19681	4140
	10	30	2	A9N19663	4020
		300	2	A9N19683	4140
	16	30	2	A9N19665	4020
		300	2	A9N19685	4140
	20	30	2	A9N19666	4020
		300	2	A9N19686	4140
	25	30	2	A9N19667	4020
		300	2	A9N19687	4140
	32	30	2	A9N19668	4225
		300	2	A9N19688	4350
	40	30	2	A9N19669	4995
		300	2	A9N19689	5140

Note: For all above references MOQ = 1

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

RCCB - xID SI (Super Immunized)



- Complies to standard IEC/EN 61008-1
- SI RCDs offers enhanced immunity against:
 - Electrical disturbances
 - Polluted and Corrosive environments
- Ensures continuity of supply in networks with:
 - Transient overvoltages
 - Loads generating HF leakage current i.e. harmonics
 - Loads generating continuous leakage current
- Ensures tripping on genuine earth fault in networks with:
 - Pulsating DC components
 - HF applications which "Blinds" (non-tripping) the conventional RCDs

[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	2 Pole Reference	Unit MRP [₹]	Module Width 18mm/module	4 Pole Reference	Unit MRP [₹]
25	30	2	A9N16234	5875	4	A9N16321	6530
40	30	2	A9N16237	6185	4	A9N16324	6745
63	30	2	A9N16240	6340	4	A9N16327	6925
	300	2	A9N16246	6350	4	A9N16334	7225

Vigi Block for xC60 (Add-on RCD Module, 2 & 4 Pole)



- No auxiliary supply required
- AC Class
- Insulation Voltage: 500V
- Pollution Degree: 3
- Immune to nuisance tripping due to transient over voltages
- Flexibility to use MCB of any tripping curve to suit applications, ensuring best 3 in 1 protection

[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	2 Pole Reference	Unit MRP [₹]	Module Width 18mm/module	4 Pole Reference	Unit MRP [₹]
25	30	1.5	A9N26581	2660	3	A9N26595	3195
	100	1.5	A9N26582	3325	3	A9N26596	3450
	300	1.5	A9N26583	3425	3	A9N26597	3550
63	30	2	A9N26611	3725	3.5	A9N26643	3915
	100	2	A9N26612	3870	3.5	A9N26644	3990
	300	2	A9N26613	3950	3.5	A9N26645	4070

Note: * Vigi Block available for C120 and NG125 also.

RCBO - DPN N Vigi SI (Super Immunized)

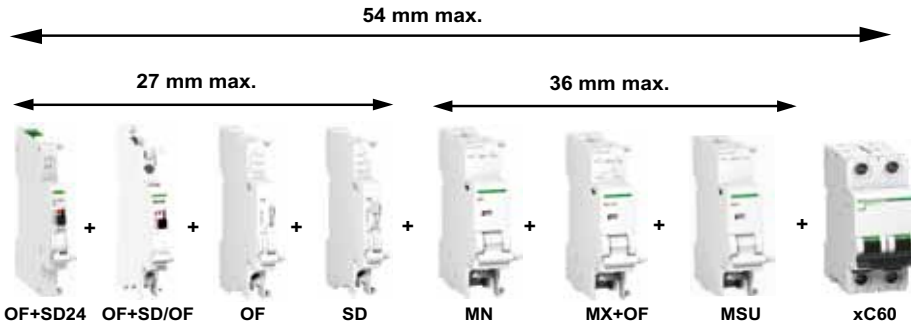


- Complies to standard IEC/EN 61009
- Rated breaking capacity Icn: 6kA
- Ensures continuity of supply in networks with:
 - Transient overvoltages
 - Loads generating HF leakage current i.e. harmonics
 - Loads generating continuous leakage current
- Ensures tripping on genuine earth fault in networks with :
 - Pulsating DC components
 - HF applications which "Blinds" (non-tripping) the conventional RCDs

Poles Description	[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	Reference	Unit MRP [₹]
1P+N	6	30	2	A9N19631	*
		300	2	A9N19641	*
	10	30	2	A9N19632	*
		300	2	A9N19642	*
	16	30	2	A9N19634	*
		300	2	A9N19644	*
	20	30	2	A9N19635	*
		300	2	A9N19645	*
	25	30	2	A9N19636	*
		300	2	A9N19646	*
	32	30	2	A9N19637	*
		300	2	A9N19647	*
	40	30	2	A9N19638	*
		300	2	A9N19648	*

* For Prices, please contact our nearest Sales Office.

Note: For all above references MOQ = 1



Common Auxiliaries for xC60/C120/RCD Range

- Mounted on left side with maximum width of 54 mm
- Clip fitted
- Maximum of 3 indication auxiliaries
- Maximum of 2 tripping auxiliaries (MX+OF, MN, MSU)
- Maximum 2 changeover auxiliaries (OF+SD/OF)

Type	Module Width 18mm/module	Reference	Unit MRP [₹]
Auxiliary switch for RCCB upto 80A (OF-S)	0.5	A9N26923	898
Auxiliary switch for RCCBs 125A (OFSP)	0.5	16940	1340
OF Auxiliary Switch: for ON/OFF indications	0.5	A9N26924	750
SD Alarm Switch: for Trip on fault indications	0.5	A9N26927	878
MX + OF Shunt Rel. 110-415V AC: for Remote tripping of Circuit Breaker	1	A9N26946	2040
MX + OF Shunt Rel. 12-24V AC/DC: for Remote tripping of Circuit Breaker	1	A9N26948	2040
MN U/V Release 220-240V AC	1	A9N26960	1835
MSU O/V release 275V AC	1	A9N26500	3165
OF + SD/OF Auxiliary switch	0.5	A9N26929	2425
OF+SD24 auxiliary contact (Comm Ready)	0.5	A9N26899	1960

Note: For 100A RCCB auxiliary kindly contact Customer Care

Accessories



Type	Description	Reference	Unit MRP [₹]
Rotary Handle*	Breaker Switching Sub-Assembly	27046	2835
	Extended, Disconnectable handle	27047	1595
Padlock** (bag of 2)		26970	682
Multicable terminal for 3 copper cables**		19096	1120
Aluminum cable terminal**		27060	250
Spacer		A9N27062	74

* for modules xC60, C120, DPN Vigi, C60H-DC, xSW - Multi poles only

**for modules xC60, xID, DPN Vigi, C60H-DC, xSW, SW60-DC, C60PV-DC

Note: For all above references MOQ = 1

Surge Arresters - Type 1+ 2



- Complies to IEC 61643-1 and EN 61643-11
- Withdraw able type: Easy Replacement
- Inbuilt SPD health indicator
- Also available with remote signaling
- For protection against:
 - Direct lightning surge
 - Indirect lightning surge
 - Switching surge
- Iimp up to 25kA & I_{max} upto 40kA
- Maximum Operating Voltage [U_c]: 350V

Type	Poles Description	Module Width 18mm/module	Reference	Unit MRP [₹]
PRD1 25r	1P	2	16329	8010
	1P + N	4	16330	17630
	3P	6	16331	26440
	3P + N	8	16332	32850

Surge Arresters iPRD- Type 2 (Withdrawable type) NEW (TT, TN-S, TN-C Systems)



- In conformance with standards IEC 61643-11/2011 T2 and EN 61643-11 Type 2
- For protection against:
 - Indirect lightning surge
 - Switching Surge
- Inbuilt health indicator
- Response time < 25ns
- I_{max} (8/20 μs): 65/40/15/8kA
- Maximum Operating Voltage [U_c]: 340V
- Level of protection, U_p: 1.0 - 2.0 kV
- Remote indication contact with 8r/20r/40r/65r

Type	Rated Voltage (V)	Pole Description	Module Width 18mm/module	Reference	Unit MRP [₹]
iPRD8	230	1P	1	A9L08100	2820
	230	1P+N	2	A9L08500	5520
	230/400	3P	3	A9L08300	7460
iPRD8r	230/400	3P+N	4	A9L08600	11270
	230	1P+N	2	A9L08501	6625
iPRD20	230/400	3P+N	4	A9L08601	13525
	230	1P	1	A9L20100	3220
	230	1P+N	2	A9L20500	7085
iPRD20r	230/400	3P	3	A9L20300	9075
	230/400	3P+N	4	A9L20600	13205
	230	1P+N	2	A9L20501	8505
iPRD40	230/400	3P+N	4	A9L20601	15845
	230	1P	1	A9L40100	4025
	230	1P+N	2	A9L40500	8240
iPRD40r	230/400	3P	3	A9L40300	11835
	230/400	3P+N	4	A9L40600	16505
	230	1P	1	A9L40101	4830
iPRD65r	230	1P+N	2	A9L40501	10630
	230/400	3P	3	A9L40301	15940
	230/400	3P+N	4	A9L40601	19805
iPRD65r	230	1P	1	A9L65101	6280
	230	1P+N	2	A9L65501	13820
	230/400	3P	3	A9L65301	18040
	230/400	3P+N	4	A9L65601	23410

Spare Cartridges for iPRD NEW



- Spare cartridges for iPRD8r, iPRD20r, iPRD40r and iPRD65r
- End of life indication available

Type	Spare cartridges for	Reference	Unit MRP [₹]
iPRD 65-350	iPRD65r	A9L65102	3930
iPRD 40-350	iPRD40, iPRD40r	A9L40102	3020
iPRD 20-350	iPRD20, iPRD20r	A9L20102	2415
iPRD 8-350	iPRD8, iPRD8r	A9L08102	2115
iPRD Neutral	All products (1P+N, 3P+N)	A9L00002	3180

Note: For all above references MOQ = 1

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

*Surge Arresters iPRD- Type 2 (Withdrawable type)

(TT, TN-S, TN-C and IT Systems)



- In conformance with standards IEC 61643-11/2011 T2 and EN 61643-11 Type 2
- For protection against:
 - Indirect lighting surge
 - Switching Surge
- Inbuilt health indicator
- Response time < 25ns
- I_{max} (8/20 μs): 65/40/15/8kA
- Maximum Operating Voltage [U_c]: 340V
- Level of protection, U_p: 1.0 - 2.0 kV
- Remote indication contact with 65r/40r

Type	Poles Description	Module Width 18mm/module	Reference	Unit MRP [₹]
PRD 8	1P	1	A9L16576	2820
	1P + N	2	A9L16577	5520
	3P	3	A9L16449	7460
	3P + N	4	A9L16579	11270
PRD 20	1P	1	A9L16571	3220
	1P + N	2	A9L16572	7085
	3P	3	A9L16447	9075
	3P + N	4	A9L16574	13205
PRD 40	1P	1	A9L16566	4025
	1P + N	2	A9L16567	8240
	3P	3	A9L16568	11835
	3P + N	4	A9L16569	16505
PRD 40r	1P	1	A9L16561	4830
	1P + N	2	A9L16562	10630
	3P	3	A9L16445	15940
	3P + N	4	A9L16564	19805
PRD 65r	1P	1	A9L16556	6280
	1P + N	2	A9L16557	13820
	3P	3	A9L16443	18040
	3P + N	4	A9L16559	23410

*Surge Arresters Cartridge - Type 2 (for iPRD)



Type	[U _p] Voltage Level (kV)	Reference	Unit MRP [₹]
C65-340	1.5	A9L16681	3930
C40-340	1.2	A9L16685	3020
C20-340	1.2	A9L16687	2415
C8-340	1.2	A9L16689	2115
C neutral	1.2	A9L16691	3180

*Note: Available till stock Lasts

iQuick PRD - Type 2 with inbuilt MCB



Type	Poles Discription	Module Width 18mm/module	Reference	Unit MRP [₹]
Quick PRD 8r	1P+N	4	A9L16298	7985
	3P	6.5	A9L16299	11965
	3P+N	7.5	A9L16300	14885
Quick PRD 40r	1P+N	4	A9L16292	11400
	3P	6.5	A9L16293	17090
	3P+N	7.5	A9L16294	21245

Photovoltaic surge arresters



- Protection for photovoltaic panels and the “DC” input to the inverter from overvoltages due to a lightning strike
- Type 2 surge arresters

Type	[Ue] Maximum Operating Voltage (V)	Module Width 18mm/module	Reference	Unit MRP [₹]
PRD 40r	600	3	A9L16434	6230
	1000	3	A9L16436	7115

Surge Arresters for Communication Networks



- In conformance with standard IEC 61643 class 2 test
- Protection for 2 low-current lines without common potential or 4 lines with common reference potential

Type	[Ue] Operational Voltage (V)	Module Width 18mm/module	Reference	Unit MRP [₹]
PRI	48 V DC	1	A9L16339	11600
PRC	130 V AC	1	A9L16337	6760

Note: For all above references MOQ = 1

Isolator - xSW



- Complies to IEC 60669-1/60947-3
- Switching duty: AC-22
- Impulse voltage: 6kV
- DC application: 48V (110V with 2 poles in series)
- Short circuit withstand 20 In for 1 second
- Upto 80A Bi connect terminals & 100A to 125A with mono connect terminals

Poles Description	[In] Rated Current (A)	Module Width 18mm/module	MOQ	Reference	Unit MRP [₹]
2	40	2	6	A9S2P040	468
	63	2	6	A9S2P063	630
	80	2	6	A9S2P080	710
	100	2	6	A9S2P100	1070
	125	2	6	A9S2P125	1105
3	40	3	4	A9S3P040	828
	63	3	4	A9S3P063	952
4	40	4	3	A9S4P040	1040
	63	4	3	A9S4P063	1140
	80	4	3	A9S4P080	1615
	100	4	3	A9S4P100	1615
	125	4	3	A9S4P125	1715

Selector Switch - iSSW



- Rating 20A, 250V AC
- Complies to IEC 60947-5-1 and IEC 60669-1
- Electrical life (AC22): 30,000 cycles
- Tropicalization: T2
- Connection: tunnel terminals cables up to 10 sq. mm

No. of positions	Poles Description	Contacts	Module Width 18mm/module	MOQ	Reference	Unit MRP [₹]
2	1	1 C/O	1	12	A9E18070	856
	2	2 C/O	2	6	A9E18071	1180
		1NO + 1NC	1	12	A9E18072	688
3	1	1 C/O	1	12	A9E18073	844
	2	2 C/O	2	6	A9E18074	1425

iRO Buzzers



- Audible indication in housing and the tertiary sector
- Sound level of 70dBA at a distance of 60cm

Voltage	Module Width 18mm/module	Reference	Unit MRP [₹]
230V AC	1	A9A15322	320
8..12V AC	1	A9A15323	270

iCT Contactors



- Complies with standards IEC 1095, E N 61095
- 4 operating modes switch on front face :
 - Automatic mode
 - Temporary "ON" mode
 - Permanent "ON" mode
 - Shutdown
- Mechanical contact position indicator
- Safe installation maintenance: lock the contactor in ON position
- Silent operation (20dB) for entire range
- Tropicalization: T2 - relative humidity 95% at 55°C

Type	Rating (A)	No. of Contacts	Module Width 18mm/module	Reference	Unit MRP [₹]
1P	25	1NO	1	A9C20731	1340
	16	2NO	1	A9C22712	1380
2P	25	2NO	1	A9C20732	1675
	40	2NO	2	A9C20842	2880
	63	2NO	2	A9C20862	3675
3P	25	3NO	2	A9C20833	2095
	40	3NO	2	A9C20843	4820
	63	3NO	3	A9C20863	5240
4P	25	4NO	2	A9C20834	2265
	40	4NO	2	A9C20844	4915
	63	4NO	3	A9C20864	5930
	63	2NO + 2NC	3	A9C20868	5930

iTL Impulse Relays



- Complies with standards IEC/EN 60669-2-2
- Safe maintenance: disconnection of remote control by selector switch
- Manual Controls on front face: 0-I toggle
- Mechanical contact position indicator
- Maximum 5 operations/min. and 100 switching operations/day
- Pollution degree: 3 and overvoltage degree: IV

Type	Rating (A)	Control Voltage	No. of Contacts	Module Width	Reference	Unit MRP
1P	16	230-240 VAC	1NO	1	A9C30811	842
	32	230-240 VAC	1NO	1	A9C30831	1055
2P	16	230-240 VAC	2NO	1	A9C30812	1380
	32	230-240 VAC	2NO	1	A9C30831 + A9C32836	3290
3P	16	230-240 VAC	1NO+1NO/NC+1NO	2	A9C30811 + A9C32816	2630
	32	230-240 VAC	1NO+1NO/NC+1NO	2	A9C30831 + 2 x A9C32836	5525
4P	16	230-240 VAC	4NO	2	A9C30814	2875
	32	230-240 VAC	4NO	2	A9C30831 + 3 x A9C32836	7760

Indication Products

iIL Indicator Lights



- Complies with standard IEC 60947-5-1
- Indicator light with LED technology
- Service life 100,000 hours with constant luminous efficiency

Type	Colour	Module Width 18mm/module	Reference	Unit MRP [₹]
Single indicator light	Red	1	A9E18320	898
	Green	1	A9E18321	898
	Blue	1	A9E18323	898
	Orange	1	A9E18324	898
3 phase voltage presence light	Red/Red/Red	1	A9E18327	1385
Single Push Button (1 NO+ 1NC)	Grey	1	A9E18033	1385

Note: For all above references MOQ = 1

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

Acti 9

Distribution Boards

Spectacular Design

Blends seamlessly with interiors



Unique Rounded Corners | Color - RAL 9003 white | Designer Rotary Knob

Maximized Wiring Space

Convenient and Safe wiring



Side mounted N-bar and E-bar



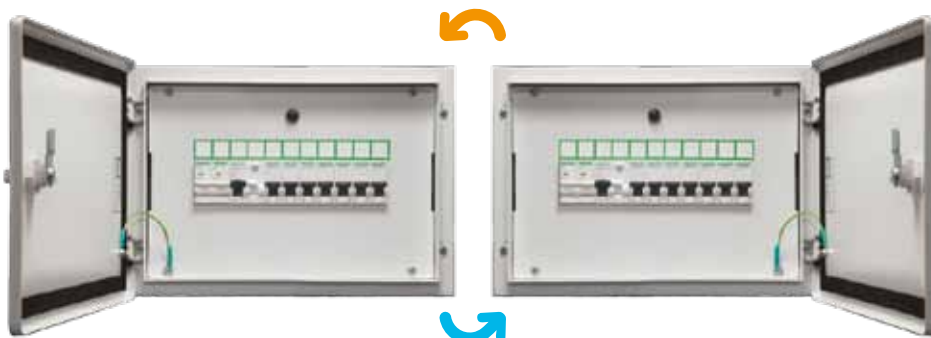
Removed all injurious sharp corners



15% more wiring area | Reduced U-box Collar | Removable Frame, Centre plate & Gland plate

Adaptable

Total Flexibility for ease of installation and usage



Unique 5 holes mounting with positioning hole



Surface and Flush installation | Field fittable key lock provision | Reversible Door

Inspiring the **S.M.A.R.T.** choice!!!

Robust Architecture

Perfect blend of Strength & Weight



High Strength-to-Weight ratio | RoHS and REACH Compliance – ideal solution for GREEN Buildings

Technically Proven

Safety Guaranteed

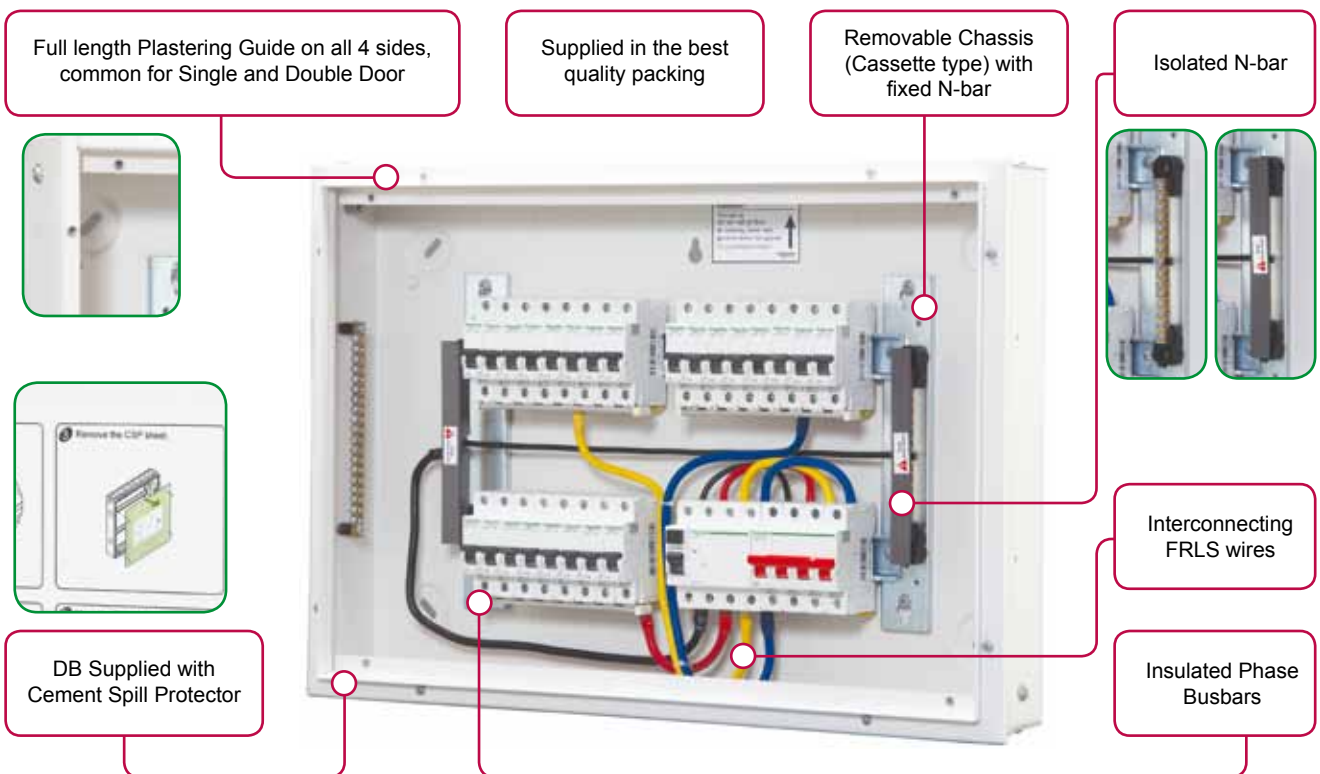
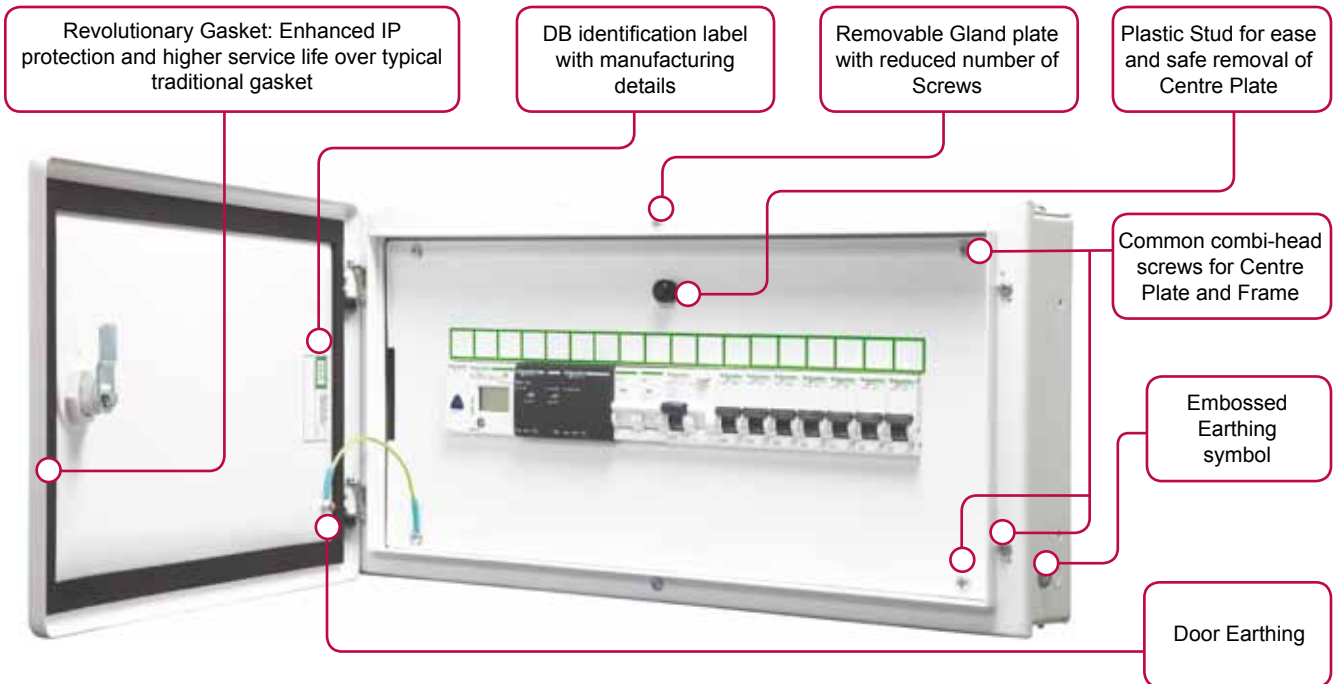


Designed and Manufactured as per IS 8623 - 1&3 | IP and IK test by ERDA & CPRI | Glow wire tested



Acti 9

Distribution Boards



Modular Distribution Boards Metallic

Metal Enclosures



- Metal Enclosure to mount individual Modular Device feeding directly to the load or final distribution board

Description	Total Module Cutout	Single Door (IP30) References	Unit MRP [₹]	Double Door Metal (IP43) References	Unit MRP [₹]
1 way	1 / 2	A9HMES02 <input checked="" type="checkbox"/>	570	-	-
1 way	3 / 4	A9HMES04 <input checked="" type="checkbox"/>	570	-	-

SPN DBs



- SPN DB for distribution of Single Phase Neutral supply to respective load MCBs
- Incomer - DP RCCB/RCBO/Isolator/MCB
- Outgoing - SP MCBs

Description	Total Module Cutout (Incomer + Outgoing)	Single Door (IP30) References	Unit MRP [₹]	Double Door Metal (IP43) References	Unit MRP [₹]
6 way	6	A9HSNS06	1060	A9HSND06 <input checked="" type="checkbox"/>	1470
8 way	8	A9HSNS08 <input checked="" type="checkbox"/>	1315	A9HSND08 <input checked="" type="checkbox"/>	1805
12 way	12	A9HSNS12	1555	A9HSND12 <input checked="" type="checkbox"/>	2170
18 way	18	A9HSNS18	1935	A9HSND18 <input checked="" type="checkbox"/>	2760

TPN DBs



- Standard TPN DBs for distribution of Three Phase and Neutral supply
- Incomer - FP RCCB/RCBO/Isolator/MCB
- Outgoing - SP MCBs
- TPN DBs can be converted to PPI DB with "PPI Kit" mentioned on page no. 8

Description	Total Module Cutout (Incomer + Outgoing)	Single Door (IP30) References	Unit MRP [₹]	Double Door Metal (IP43) References	Unit MRP [₹]
4 way eco	4 + 12	-	-	A9HTND04E <input checked="" type="checkbox"/>	3320
4 way	8 + 12	A9HTNS04	2935	A9HTND04 <input checked="" type="checkbox"/>	3620
6 way	8 + 18	A9HTNS06	3585	A9HTND06 <input checked="" type="checkbox"/>	4410
8 way	8 + 24	A9HTNS08	4215	A9HTND08 <input checked="" type="checkbox"/>	5285
12 way	8 + 36	A9HTNS12	6245	A9HTND12 <input checked="" type="checkbox"/>	7995

Flexi Tier DBs

- PPI DBs to mount DP Residual Current Device (RCD) at an individual phase level to isolate the faulty phase in case of earth leakage and ensure continuity of supply to other healthy phases
- Incomer - Modular (FP MCB/Isolator) / MCCB 100A (TP/FP Compact NSX or EasyPact CVS)
- Sub-Incomer - DP RCCB/RCBO
- Outgoing - SP MCBs

Description	Total Module Cutout (Incomer + Outgoing)	Single Door (IP30) References	Unit MRP [₹]	Double Door Metal (IP43) References	Unit MRP [₹]
12 way	100A MCCB* + 12 + 36	-	-	A9HPID12M	11420

Please refer "PPI Kit" to convert TPN DBs and Flexi Tier DBs to PPI DBs with Modular incomer

Note: For all above references MOQ = 1

Modular Distribution Boards Metallic

Flexi Tier DBs



- Flexi DBs gives total flexibility to mount any type and size of Modular devices as per load requirement
- Provided with N-Bar and E-Bar
- Tier Flexi DBs can be converted to PPI DB with "PPI Kit" mentioned on page no. 29

Description	Total Module Cutout (Incomer + Outgoing)	Single Door (IP30) References	Unit MRP [₹]	Double Door Metal (IP43) References	Unit MRP [₹]
2 Tier 24 Modules	2 x 12	-	-	A9HFD224	4560
3 Tier 36 Modules	3 x 12	-	-	A9HFD336	5370
4 Tier 40 Modules	4 x 10	-	-	A9HFD440 <input checked="" type="checkbox"/>	5730
4 Tier 56 Modules	4 x 14	-	-	A9HFD456 <input checked="" type="checkbox"/>	5845

Phase Segregated DBs



- Phase Segregated DBs to provide total safety for installer and maintenance engineer, by compartmentalizing each Phase and separating Incomer, Sub-Incomer and Outgoing
- Offers better continuity of supply in case of earth faults and maintenance at DB level.
- Incomer - Modular (FP MCB/Isolator) / MCCB 100A (TP/FP Compact NSX or EasyPact CVS)
- Sub-Incomer - DP RCCB/RCBO
- Outgoing - SP MCBs

Description	Total Module Cutout (Incomer + Sub-incomer + Outgoing)	Single Door (IP30) References	Unit MRP [₹]	Double Door Metal (IP43) References	Unit MRP [₹]
6 way	8 + 12 + 18	-	-	A9HPGD06 <input checked="" type="checkbox"/>	10315
8 way	8 + 12 + 24	-	-	A9HPGD08 <input checked="" type="checkbox"/>	11515
12 way	8 + 12 + 36	-	-	A9HPGD12	14700
12 way with MCCB I/c	100A MCCB* + 12 + 36	-	-	A9HPGD12M	18690

Vertical TPN DBs (VTPN DBs) with Modular incomer



- Ideal solution to distribute power supply to the 3 Phase and 1 Phase loads in the same DB
- Incomer - FP RCCB/RCBO/Isolator/MCB
- Outgoing - SP MCBs / TP MCBs

Description	Total Module Cutout (Incomer + Outgoing)	Single Door (IP30) References	Unit MRP [₹]	Double Door Metal (IP43) References	Unit MRP [₹]
4 way	8 + 12	-	-	A9HVTD04 <input checked="" type="checkbox"/>	8940
8 way	8 + 24	-	-	A9HVTD08	11370
12 way	8 + 36	-	-	A9HVTD12	15090

Note: For all above references MOQ = 1

Modular Distribution Boards Metallic

Vertical TPN DBs (VTPN DBs) with 3P/4P Compact NSX or EasyPact CVS MCCB* incomer



- DBs for higher incoming current distribution up to 250A with MCCB as incomer and SP and/or TP MCBs (up to 63A) as outgoing
- Incomer - TP/FP Compact NSX or EasyPact CVS MCCB up to 250A
- Outgoing - SP MCBs / TP MCBs

Description	Total Module Cutout (Incomer + Outgoing)	Single Door (IP30) References	Unit MRP [₹]	Double Door Metal (IP43) References	Unit MRP [₹]
4 way	100A MCCB + 12	-	-	A9HVD04L	9460
8 way	100A MCCB + 24	-	-	A9HVD08L	11990
12 way	100A MCCB + 36	-	-	A9HVD12L	15950
4 way	160A MCCB + 12	-	-	A9HVD04M	10835
8 way	160A MCCB + 24	-	-	A9HVD08M	13495
12 way	160A MCCB + 36	-	-	A9HVD12M	17930
8 way	250A MCCB + 24	-	-	A9HVD08H	23175
12 way	250A MCCB + 36	-	-	A9HVD12H	24425

Comm Ready DBs

- DB designed to accommodate all types of Acti 9 Communication Capable products
- DB supplied with Double DIN rail, E-Bar and Wire channel.



Description	Total Module Cutout (Incomer + Outgoing)	Single Door (IP30) References	Unit MRP [₹]	Double Door Metal (IP43) References	Unit MRP [₹]
1 Tier 24 Modules	24	-	-	A9HCRD124	6145
2 Tier 48 Modules	48	-	-	A9HCRD248	9960

Metal Clad P&S Units



- Enclosure supplied with Electra Metal Plug and Socket and provision to mount modular protection device to feed directly to the end load

Description	Total Module Cutout	Single Door (IP30) References	Unit MRP [₹]	Double Door Metal (IP43) References	Unit MRP [₹]
10A 1P+N+E P&S	2	A9HMS210	1455	-	-
20A 1P+N+E P&S	2	A9HMS220 <input checked="" type="checkbox"/>	1555	-	-
30A 3P+E P&S	4	A9HMS330	3410	-	-

PK P&S Units (with provision to mount PK socket)



- Plug and Socket Unit with provision to mount PK Panel mounted straight socket and modular protection device to feed directly to the end load

Description	Total Module Cutout	Single Door (IP30) References	Unit MRP [₹]	Double Door Metal (IP43) References	Unit MRP [₹]
16A 3P PK P&S	2	A9HKS316	1335	-	-
32A 3P PK P&S	2	A9HKS332	2210	-	-
32A 5P PK P&S	4	A9HKS532	2640	-	-
63A 5P PK P&S	4	A9HKS563	5340	-	-

Note: For all above references MOQ = 1

Modular Distribution Boards Metallic

PPI Kit (to convert TPN and Flexi Tier DBs to PPI DB)



- Set of accessories to convert TPN DBs and 4 tier Flexi DBs to PPI DB
- Kit is provided with additional required quantity of N-Bar, wire set, Busbars and mounting kit

Description	References	Unit MRP [₹]
PPI Kit for 6way TPN DB (2+4w PPI DB)	A9HKIT04 <input checked="" type="checkbox"/>	2340
PPI Kit for 8way TPN DB (2+6w PPI DB)	A9HKIT06 <input checked="" type="checkbox"/>	2740
PPI Kit for 12way TPN DB (2+10w PPI DB)	A9HKIT10 <input checked="" type="checkbox"/>	3050
PPI Kit for 4T40M Flexi DB (2+8w PPI DB)	A9HKIT08 <input checked="" type="checkbox"/>	4970
PPI Kit for 4T56M Flex DB (2+12w PPI DB)	A9HKIT12 <input checked="" type="checkbox"/>	5495

Accessories for Acti 9 DBs

Description	Set of	References	Unit MRP [₹]
Rotary lock	5 nos	A9HRL801	380
Key Lock	5 nos	A9HRL802	332

Accessories for Distribution Boards

Description	Reference	Unit MRP [₹]
Busbars		
Fork Busbar 1P 12MOD. 63A	R9XFH112	480
Fork Busbar 1P 57MOD. 63A	R9XFH157	1050
Fork Busbar 2P 12MOD. 63A	R9XFH212	560
Fork Busbar 2P 57MOD. 63A	R9XFH257	2075
Fork Busbar 3P 12MOD. 63A	R9XFH312	840
Fork Busbar 3P 57MOD. 63A	R9XFH357	4595
Fork Busbar 4P 12MOD. 63A	R9XFH412	1095
Fork Busbar 4P 57MOD. 63A	R9XFH457	4815
Busbar Accessories		
Set of 10 End Caps 1P	R9XE110	412
Set of 10 End Caps 2P	R9XE210	412
Set of 10 End Caps 3P	R9XE310	496
Set of 10 End Caps 4P	R9XE410	496
Set of 4 Connector Fork 63A	R9XFC04	378
Set of 20 Tooth Caps	R9XT20	520
Blanking Plate	13229B	18

Note: Blanking Plate MOQ = 10, All other MOQ = 1

NeoBreak Distribution Boards

NeoBreak DBs

- Zero Error Installation
- IP 43 for Double Door, IP 30 for Single Door
- Independent intermittent shield

Metal Enclosure

Description	Total Modules I/C + O/G	Reference	Unit MRP [₹]
1 way	1	NBKPM1 <input checked="" type="checkbox"/>	324
2 way	2	NBKPM2 <input checked="" type="checkbox"/>	324
3 way	3	NBKPM3 <input checked="" type="checkbox"/>	370
4 way	4	NBKPM4 <input checked="" type="checkbox"/>	370

SPN DBs



Description	Total Modules I/C + O/G	Door Type	Reference	Unit MRP [₹]
SPN 4 way	4	Double door	NBKRENSDD04 <input checked="" type="checkbox"/>	1165
SPN 6 way	6	Double door	NBKRENSDD06 <input checked="" type="checkbox"/>	1295
SPN 8 way	8	Double door	NBKRENSDD08 <input checked="" type="checkbox"/>	1415
SPN 12 way	12	Double door	NBKRENSDD12 <input checked="" type="checkbox"/>	1755
SPN 16 way	16	Double door	NBKRENSDD16 <input checked="" type="checkbox"/>	2410
SPN 4 way	4	Single door	NBKRENSSD04 <input checked="" type="checkbox"/>	744
SPN 6 way	6	Single door	NBKRENSSD06 <input checked="" type="checkbox"/>	926
SPN 8 way	8	Single door	NBKRENSSD08 <input checked="" type="checkbox"/>	994
SPN 12 way	12	Single door	NBKRENSSD12 <input checked="" type="checkbox"/>	1190
SPN 16 way	16	Single door	NBKRENSSD16 <input checked="" type="checkbox"/>	1465

TPN DBs



Description	Total Modules I/C + O/G	Door Type	Reference	Unit MRP [₹]
TPN 4 way	4+12	Double door	NBKRENTHDD04 <input checked="" type="checkbox"/>	2860
TPN 6 way	4+18	Double door	NBKRENTHDD06 <input checked="" type="checkbox"/>	3570
TPN 8 way	4+24	Double door	NBKRENTHDD08 <input checked="" type="checkbox"/>	4640
TPN 12 way	4+36	Double door	NBKRENTHDD12 <input checked="" type="checkbox"/>	7035
TPN 4 way	4+12	Single door	NBKRENTHSD04 <input checked="" type="checkbox"/>	2165
TPN 6 way	4+18	Single door	NBKRENTHSD06 <input checked="" type="checkbox"/>	2705
TPN 8 way	4+24	Single door	NBKRENTHSD08 <input checked="" type="checkbox"/>	3210
TPN 12 way	4+36	Single door	NBKRENTHSD12 <input checked="" type="checkbox"/>	4685

Note: For all above references MOQ = 1

NeoBreak Distribution Boards



Vertical DB - with MCB incomer

Description	Total Modules I/C + O/G	Door Type	Reference	Unit MRP [₹]
VTPN 4 way	8+12	Double door	NBKRENTVDD04 <input checked="" type="checkbox"/>	7375
VTPN 8 way	8+24	Double door	NBKRENTVDD08 <input checked="" type="checkbox"/>	9315
VTPN 12 way	8+36	Double door	NBKRENTVDD12	12465
VTPN 4 way	8+12	Single door	NBKRENTVSD04	5375
VTPN 8 way	8+24	Single door	NBKRENTVSD08	7520
VTPN 12 way	8+36	Single door	NBKRENTVSD12	9785

Vertical DB - Provision for 100A 3P/4P Easycompact EZC MCCB incomer

Description	Total Modules I/C + O/G	Door Type	Reference	Unit MRP [₹]
VTPN 4 way	MCCB +12	Double door	NBKRENEZVDD04	8335
VTPN 8 way	MCCB +24	Double door	NBKRENEZVDD08	9855
VTPN 12 way	MCCB +36	Double door	NBKRENEZVDD12	12840

NeoBreak Plug & Socket DBs



Description	Total Modules I/C + O/G	Reference	Unit MRP [₹]
20A SPN Plug & Socket	2	NBKRENPSSN20 <input checked="" type="checkbox"/>	920
10A SP Plug & Socket	1	NBKRENPSSP10 <input checked="" type="checkbox"/>	1145
20A SP plug & Socket	1	NBKRENPSSP20 <input checked="" type="checkbox"/>	1195
20A TP Plug & Socket	3	NBKRENPSTP20 <input checked="" type="checkbox"/>	2270
30A TP Plug & Socket	3	NBKRENPSTP30 <input checked="" type="checkbox"/>	2685

Note: For all above references MOQ = 1



- Degree of protection - IP65
- Impact strength - IK09
- Resistant to chemical and atmospheric agents, UVs etc.
- Self extinguishing class 2 insulating material
- Flame and abnormal heat resistance: 650°C
- Reversible front face for opening of door to left/right
- Combining of enclosures horizontally/vertically while still maintaining IP
- DIN channel can be positioned in 2 depths & 2 heights for cabling purpose

Mini Enclosures for modular devices



Description	Reference	Unit MRP [₹]
4 module	13441 <input checked="" type="checkbox"/>	1905
6 module	13442	2165
8 module	13443	2555
12 module	13444	4115

Enclosures for modular devices (with terminal blocks)



Description	Reference	Unit MRP [₹]
1 row 12 module	13431	4540
1 row 18 module	13432	5990
2 row 24 module	13433	6800
2 row 36 module	13434	8605
3 row 36 module	13435	8980
4 row 72 module	13437	17140

Mini Enclosures for PK sockets (suitable to mount modular devices and 16A 3 pin & 4 pin P & S)



Description	Reference	Unit MRP [₹]
4 module 1 vertical opening	13175 <input checked="" type="checkbox"/>	896
4 module 2 horizontal opening	13176	1105
4 module 3 horizontal opening	13177	1395

Note: For all above references MOQ = 1

Enclosures for PK sockets (suitable to mount modular devices and 16 & 32A P & S)



Description	Reference	Unit MRP [₹]
5 module 2 opening	13178 <input checked="" type="checkbox"/>	2185
8 module 4 horizontal opening	13179	2990
13 module 3 opening	13180	3950
13 module 6 opening	13181	4345
19 module 8 opening	13182	5605

Functional Plaques



Description	Reference	Unit MRP [₹]
Blank - marked for 1 socket 50x50	13135	276
Blank - marked for 1 socket 65x65 or 75x75	13137	280
Intermediate with 65x85 opening	13136	340
Intermediate with one opening for 65x85 & 90x100	13142	562
Intermediate with 100x107 opening for 63A socket	13144	562

Note: For all above references MOQ = 1

Wander Plugs



- PK PratiKa SCREW: same orientation of clamps' screws
- External impact strength; IK08
- Glow wire test: 850°C
- Conforms to IEC 60309-1 & IEC 60309-2

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP [₹]
PratiKa SCREW				
IP44				
16	200...250	2P + E	PKE16M423 <input checked="" type="checkbox"/>	338
	380...415	3P + E	PKE16M434 <input checked="" type="checkbox"/>	408
		3P + N + E	PKE16M435 <input checked="" type="checkbox"/>	442
32	200...250	2P + E	PKE32M423 <input checked="" type="checkbox"/>	538
	380...415	3P + E	PKE32M434	620
		3P + N + E	PKE32M435 <input checked="" type="checkbox"/>	624
IP67				
16	200...250	2P + E	PKE16M723 <input checked="" type="checkbox"/>	748
	380...415	3P + E	PKE16M734	844
		3P + N + E	PKE16M735	902
32	200...250	2P + E	PKE32M723	1065
	380...415	3P + E	PKE32M734 <input checked="" type="checkbox"/>	1140
		3P + N + E	PKE32M735 <input checked="" type="checkbox"/>	1150
PK (63 & 125A available in IP67 only)				
63	200...250	2P + E	81378	3015
	380...415	3P + E	81382 <input checked="" type="checkbox"/>	2785
		3P + N + E	81383 <input checked="" type="checkbox"/>	2840
125	200...250	2P + E	81390	7320
	380...415	3P + E	81394	8445
		3P + N + E	81395	8445

Small Wall Mounted Sockets



- Conforms to IEC 60309-1 & IEC 60309-2
- External impact strength: IK 08
- Glow wire test: 850°C

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP [₹]
IP44				
16	200...250	2P + E	PKF16W423	602
	380...415	3P + E	PKF16W434	694
		3P + N + E	PKF16W435	760
32	200...250	2P + E	PKF32W423	780
	380...415	3P + E	PKF32W434	942
		3P + N + E	PKF32W435	988
IP67				
16	200...250	2P + E	PKF16W723	958
	380...415	3P + E	PKF16W734	1195
		3P + N + E	PKF16W735	1240
32	200...250	2P + E	PKF32W723	1165
	380...415	3P + E	PKF32W734	1740
		3P + N + E	PKF32W735	2310

Note: For all above references MOQ = 1

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

Wall Mounted Sockets



- Conforms to IEC 60309 -1 & IEC 60309-2
- Rated operational voltage upto 415V
- Rated operational current upto 125A
- External impact strength: IK08
- Glow wire test: 850°C
- Available only in IP67

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP [₹]
63	200...250	2P + E	81178	3670
	380...415	3P + E	81182	3775
		3P + N + E	81183	3795
125	200...250	2P + E	81190	12865
	380...415	3P + E	81194	13380
		3P + N + E	81195	13445

Wander Sockets



- PK PratiKa SCREW: same orientation of clamps' screws.
- PK PratiKa : 16 & 32A; IP44 & IP 67
- External impact strength; IK08
- Glow wire test: 850 °C
- Conforms to IEC 60309 -1 & IEC 60309-2

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP [₹]
PratiKa SCREW				
IP44				
16	200...250	2P + E	PKF16M423 <input checked="" type="checkbox"/>	472
	380...415	3P + E	PKF16M434	548
		3P + N + E	PKF16M435	596
32	200...250	2P + E	PKF32M423 <input checked="" type="checkbox"/>	652
	380...415	3P + E	PKF32M434	766
		3P + N + E	PKF32M435 <input checked="" type="checkbox"/>	798
IP67				
16	200...250	2P + E	PKF16M723	872
	380...415	3P + E	PKF16M734	1100
		3P + N + E	PKF16M735	1150
32	200...250	2P + E	PKF32M723	1210
	380...415	3P + E	PKF32M734	1335
		3P + N + E	PKF32M735	1350
PK (63 & 125A available in IP67 only)				
63	200...250	2P + E	81478	3210
	380...415	3P + E	81482	3260
		3P + N + E	81483	3325
125	200...250	2P + E	81490	10030
	380...415	3P + E	81494	10355
		3P + N + E	81495	10560

Note: For all above references MOQ = 1

Panel Mounted Sockets - Angled



- PK PratiKa SCREW: same orientation of clamp screws
- External impact strength; IK08
- Glow wire test: 850°C
- Conforms to IEC 60309 -1 & IEC309-2

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP [₹]
PratiKa SCREW				
IP44				
16	200...250	2P + E	PKF16F423 <input checked="" type="checkbox"/>	362
	380...415	3P + E	PKF16F434	550
		3P + N + E	PKF16F435 <input checked="" type="checkbox"/>	582
32	200...250	2P + E	PKF32F423 <input checked="" type="checkbox"/>	616
	380...415	3P + E	PKF32F434	740
		3P + N + E	PKF32F435 <input checked="" type="checkbox"/>	768
IP67				
16	200...250	2P + E	PKF16F723 <input checked="" type="checkbox"/>	688
	380...415	3P + E	PKF16F734	786
		3P + N + E	PKF16F735	796
32	200...250	2P + E	PKF32F723	898
	380...415	3P + E	PKF32F734	1055
		3P + N + E	PKF32F735 <input checked="" type="checkbox"/>	1075
PK (63 & 125A available in IP67 only)				
63	200...250	2P + E	81278	2845
	380...415	3P + E	81282 <input checked="" type="checkbox"/>	2895
		3P + N + E	81283 <input checked="" type="checkbox"/>	2925
125	200...250	2P + E	81290	9740
	380...415	3P + E	81294	9990
		3P + N + E	81295	10040

Note: For all above references MOQ = 1

Panel Mounted Sockets - Straight



- PK PratiKa SCREW: same orientation of clamps screws
- External impact strength; IK08
- Glow wire test: 850°C
- Conforms to IEC 60309 -1 & IEC309-2

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP [₹]
PratiKa SCREW				
IP44				
16	200...250	2P + E	PKF16G423 <input checked="" type="checkbox"/>	412
	380...415	3P + E	PKF16G434	566
		3P + N + E	PKF16G435 <input checked="" type="checkbox"/>	622
32	200...250	2P + E	PKF32G423	632
	380...415	3P + E	PKF32G434	730
		3P + N + E	PKF32G435 <input checked="" type="checkbox"/>	782
IP67				
16	200...250	2P + E	PKF16G723 <input checked="" type="checkbox"/>	694
	380...415	3P + E	PKF16G734	784
		3P + N + E	PKF16G735	798
32	200...250	2P + E	PKF32G723	850
	380...415	3P + E	PKF32G734	956
		3P + N + E	PKF32G735	994
PK (63 & 125A available in IP67 only)				
63	200...250	2P + E	81678	2845
	380...415	3P + E	81682	2895
		3P + N + E	81683	2925
125	200...250	2P + E	81690	9740
	380...415	3P + E	81694	9990
		3P + N + E	81695	10040

Note: For all above references MOQ = 1

Wall Mounted Sockets with Interlock Switch Unika (w/o protection)



- Switch designed for use in AC 22A class applications
- Conforms to IEC 60309 -1 & IEC 60309-2
- Rated operational voltage upto 415V
- Rated operational current upto 32A
- External impact strength: IK08
- Available in IP44/65 versions
- Glow wire test: 750°C

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP [₹]
IP44				
16	200...250	2P + E	83031	4765
	380...415	3P + E	83035	6595
		3P + N + E	83036	6725
32	200...250	2P + E	83042 <input checked="" type="checkbox"/>	6125
	380...415	3P + E	83046	7145
		3P + N + E	83047	7220
IP65				
16	200...250	2P + E	83081	4925
	380...415	3P + E	83085	6790
		3P + N + E	83086	6925
32	200...250	2P + E	83092	6400
	380...415	3P + E	83096	7685
		3P + N + E	83097	7685

Socket with Interlock Switch & DIN Rail Isoblock (4.5 modules)



- Switch designed for use in AC- 22A class applications
- Conforms to IEC 60309 -1 & IEC 60309-2
- Provision to DIN mount 4.5 module device
- External impact strength: IK10
- Available in IP65 version
- Glow wire test: 850°C

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP [₹]
16	200...250	2P + E	82754 <input checked="" type="checkbox"/>	6020
	380...415	3P + E	82758	6300
		3P + N + E	82759	6615
32	200...250	2P + E	83791 <input checked="" type="checkbox"/>	6925
	380...415	3P + E	83795	7245
		3P + N + E	83796	7605

Socket with Interlock Switch & DIN Rail Isoblock (6 modules)



- Switch designed for use in AC- 22A class applications
- Conforms to IEC 60309 -1 & IEC 60309-2
- Provision to DIN mount 6 module device
- External impact strength: IK10
- Available in IP65 version
- Glow wire test: 850°C

[In] Rated Current (A)	[Ue] Rated Operational Voltage (V)	Poles Description	Reference	Unit MRP [₹]
32	200...250	2P + E	82766	9695
	380...415	3P + E	82770	10145
		3P + N + E	82771	10645
63	380...415	3P + E	82782	11665
		3P + N + E	82783	12240

Note: For all above references MOQ = 1

The New improved ELECTRA Metal Clad Plugs & Sockets are specially designed incorporating the most up-to-date safety, quality and user friendly features for heavy duty industrial applications.

Construction

- The casting is made from non-corroding die-cast aluminum alloy combining exceptional compactness with high strength
- The specially insulated interiors have high anti-tracking properties
- The design/construction eliminates the possibility of mismatch in fitting of plugs in corresponding sockets
- The floating contacts in the sockets are self aligning and facilitates smooth plugging in without undue pressure
- These can be easily removed for wiring
- A provision for pilot pin facilitate mechanical interlocking in case of 63/125 Amp ratings

Human Safety

Specially designed shroud to avoid accidental finger contact with plug-pins while inserting/removing the plug
Similarly, the contact tubes in sockets are deeply recessed to avoid human contact

- The earthing pins ensure that earth connection is made first and broken last, being longer than conducting pins
- The visible earth terminals facilitate easy checking of earth connection
- The cable grip to the plug is made very strong by providing a compression gland and by protecting it at the point of entry by a strong rubber guard

Applications

Industrial, Commercial & Domestic portable equipments like hand/Power tools, industrial ovens, Welding sets, Mobile generators, Furnaces, Ships, Office Machines, Refrigerators, Coolers, Air-Conditioners, Overhead cranes, Chilling cabinets, Tile polishers and Sewing Machines

Plug

For minimum order quantity, please refer to Standard Packaging Information



Rating (A)	Poles Description	Voltage (V)	Standard Packaging	MOQ	Reference	Unit MRP [₹]
10	2P	250	30	30	AP10 <input checked="" type="checkbox"/>	158
20	2P	250	30	30	AP20 <input checked="" type="checkbox"/>	168
20	3P	440	30	30	BP20 <input checked="" type="checkbox"/>	216
30	3P	440	20	20	BP30 <input checked="" type="checkbox"/>	406
63	3+N+P	440	4	4	CP63 <input checked="" type="checkbox"/>	1845

Socket

For minimum order quantity, please refer to Standard Packaging Information



Rating (A)	Poles Description	Voltage (V)	Standard Packaging	MOQ	Reference	Unit MRP [₹]
10	2P	250	30	30	AS10 <input checked="" type="checkbox"/>	160
20	2P	250	30	30	AS20 <input checked="" type="checkbox"/>	198
20	3P	440	30	30	BS20 <input checked="" type="checkbox"/>	254
30	3P	440	20	20	BS30 <input checked="" type="checkbox"/>	410
63	3+N+P	440	4	4	CS63 <input checked="" type="checkbox"/>	1880

This complete range of switches and Sockets is suitable for both Indoor & Outdoor applications like kitchen, swimming pools, landscape gardens, exterior walls and other environmentally challenged locations.



Description	IP Rating	Catalogue No.	Reference	Unit MRP [€]
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Surface Switches

Single Pole Switches Less Enclosure

1 Pole 250V 10A	66	56SW110LEGY	56SW110LE-GY	1995
1 Pole 250V 16A	66	56SW116LEGY	56SW116LE-GY	1780
1 Pole 250V 20A	66	56SW120LEGY	56SW120LE-GY	2825
1 Pole 250V 32A	66	56SW132LEGY	56SW132LE-GY	3275

Double Pole Switches Less Enclosure

2 Pole 500V 16A	66	56SW216LEGY	56SW216LE-GY	3220
2 Pole 500V 20A	66	56SW220LEGY	56SW220LE-GY	3230
2 Pole 500V 32A	66	56SW232LEGY	56SW232LE-GY	3680
2 Pole 500V 50A	66	56SW250LEGY	56SW250LE-GY	3850
2 Pole 500V 63A	66	56SW263LEGY	56SW263LE-GY	4235

Triple Pole Switches Less Enclosure

3 Pole 500V 10A	66	56SW310LEGY	56SW310LE-GY	2985
3 Pole 500V 16A	66	56SW316LEGY	56SW316LE-GY	3060
3 Pole 500V 20A	66	56SW320LEGY	56SW320LE-GY	3275
3 Pole 500V 32A	66	56SW332LEGY	56SW332LE-GY	3825
Surface Switches 3 Pole 500V 50A	66	56SW350LEGY	56SW350LE-GY	4245
3 Pole 500V 63A	66	56SW363LEGY	56SW363LE-GY	5025

Four Pole Switches Less Enclosure

4 Pole 500V 20A	66	56SW420LEGY	56SW420LE-GY	On Request
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Heavy-Duty Surface Switches Enclosure

3 Pole 690V 25A	66	56SWH325GY	56SWH325-GY	On Request
3 Pole 690V 40A	66	56SWH340GY	56SWH340-GY	On Request
3 Pole 690V 63A	66	56SWH363GY	56SWH363-GY	On Request
3 Pole 690V 25A	66	56SWH425GY	56SWH425-GY	On Request

Changeover and Reversing Switches


2 Pole 660V 20 A CO Less Enclosure	66	56SW220COLEGY	56SW220COLE-GY	On Request
4 Pole 660V 20 A CO Less Enclosure	66	56SW420COLEGY	56SW420COLE-GY	On Request
3 Pole 660V 20 A Reversing Switch with Enclosure	66	56SW320R	56SW320R-GY	On Request



Keypad Operated Switches

Key Lockable in 'ON' and 'OFF' Position Less Enclosure

1 Pole 250V 16A	66	56K2SW115LEGY	56K2SW115LE-GY	On Request
1 Pole 250V 20A	66	56K2SW120LEGY	56K2SW120LE-GY	On Request
2 Pole 500V 20A	66	56K2SW220LEGY	56K2SW220LE-GY	On Request
2 Pole 500V 32A	66	56K2SW232LEGY	56K2SW232LE-GY	On Request
2 Pole 500V 50A	66	56K2SW250LEGY	56K2SW250LE-GY	On Request
3 Pole 500V 10A	66	56K2SW310LEGY	56K2SW310LE-GY	On Request
3 Pole 500V 20A	66	56K2SW320LEGY	56K2SW320LE-GY	On Request
3 Pole 500V 32A	66	56K2SW332LEGY	56K2SW332LE-GY	On Request
3 Pole 500V 50A	66	56K2SW350LEGY	56K2SW350LE-GY	On Request


Description	IP Rating	Catalogue No.	Reference	Unit MRP [₹]
Sunset Switch				
10A/250V with Timer with Enclosure	66	56SSRGY	56SSR-GY	On Request
Economy - 10 A without Timer with Enclosure	66	56PEDD3GY	56PEDD3-GY	On Request
Surface Socket Outlets				
3 Pin Sockets Less Enclosure				
3 Pin 250V 16A Indian Standard	66	56SO316RPLEGY	56SO316RP-LE-GY-EX	1755
3 Pin 250V 20A Round Pin	66	56SO320LEGY	56SO320LE-GY	2730
3 Pin 250V 32A Round Pin	66	56SO332LEGY	56SO332LE-GY	3010
4 Pin Sockets Less Enclosure				
4 Pin 500V 20A Round Pin	66	56SO420LEGY	56SO420LE-GY	4040
4 Pin 500V 32A Round Pin	66	56SO432LEGY	56SO432LE-GY	4830
4 Pin 500V 40A Round Pin	66	56SO440LEGY	56SO440LE-GY	5615
4 Pin 500V 50A Round Pin	66	56SO450LEGY	56SO450LE-GY	7440
				
5 Pin Sockets Less Enclosure				
5 Pin 500V 10A Round Pin	66	56SO510LEGY	56SO510LE-GY	4335
5 Pin 500V 20A Round Pin	66	56SO520LEGY	56SO520LE-GY	4370
5 Pin 500V 32A Round Pin	66	56SO532LEGY	56SO532LE-GY	5185
5 Pin 500V 40A Round Pin	66	56SO540LEGY	56SO540LE-GY	7480
5 Pin 500V 50A Round Pin	66	56SO550LEGY	56SO550LE-GY	7540
Plugs				
3 Pin Angle Plugs				
3 Pin 250V 16A Indian Standard	66	56PA316RPGY	56PA316RP-GY-EX	1330
3 Pin 250V 20A Round Pin	66	56PA320EO	56PA320-EO	2825
3 Pin 250V 32A Round Pin	66	56PA332EO	56PA332-EO	3235
4 Pin Angle Plugs				
4 Pin 500V 20A Round Pin	66	56PA420EO	56PA420-EO	3445
4 Pin 500V 32A Round Pin	66	56PA432EO	56PA432-EO	3590
4 Pin 500V 40A Round Pin	66	56PA440EO	56PA440-EO	4220
4 Pin 500V 50A Round Pin	66	56PA450EO	56PA450-EO	4255
5 Pin Angle Plugs				
5 Pin 500V 10A Round Pin	66	56PA510EO	56PA510-EO	3370
5 Pin 500V 20A Round Pin	66	56PA520EO	56PA520-EO	3385
5 Pin 500V 32A Round Pin	66	56PA532EO	56PA532-EO	3915
5 Pin 500V 40A Round Pin	66	56PA540EO	56PA540-EO	4140
5 Pin 500V 50A Round Pin	66	56PA550EO	56PA550-EO	4245
Combination Switched Socked Outlet				
IP66 Range Interlocked Switched Socket With Enclosure				
4 Pin 500V 20A Round Pin	66	56CVI420GY	56CVI420-GY	On Request
4 Pin 500V 32A Round Pin	66	56CVI432GY	56CVI432-GY	On Request
5 Pin 500V 20A Round Pin	66	56CVI520GY	56CVI520-GY	On Request
5 Pin 500V 32A Round Pin	66	56CVI532GY	56CVI532-GY	On Request
5 Pin 500V 40A Round Pin	66	56CVI540GY	56CVI540-GY	On Request
IP66 Industrial Combination Switch Sockets With Enclosure				
500V, 63A with 4 pole switch and 63A 5 Pin Socket	66	66CV563RG	66CV563-RG	On Request
500V, 63A with 4 pole switch and 63A 7 Pin Socket	66	66CV763RG	66CV763-RG	On Request
Plug Top IP66 5 Pin 500V 63A	66	66P563EO	66P563-EO	On Request
Plug Top IP66 7 Pin 500V 63A	66	66P763EO	66P763-EO	On Request




Description	IP Rating	Catalogue No.	Reference	Unit MRP
Adaptable Enclosures with Gear Tray				
2 Gangpoints, 198X101X140mm	66	56DB2GY	56DB2-GY	2995
3 Gangpoints, 294X101X140mm	66	56DB3GY	56DB3-GY	3985
4 Gangpoints, 198X198X140mm	66	56DB4GY	56DB4-GY	4975
6 Gangpoints, 294X198X180mm	66	56XDB6GY	56XDB6-GY	7915
6 Gangpoints, 294X198X140mm	66	56DB6GY	56DB6-GY	6865
9 Gangpoints, 294X294X180mm	66	56DB9GY	56DB9-GY	9725
Junction Boxes				
1 Gangpoint, 107X101X90mm	66	56JB1GY	56JB1-GY	1315
2 Gangpoints, 204X101X90mm	66	56JB2GY	56JB2-GY	2190
3 Gangpoints, 300X101X90mm	66	56JB3GY	56JB3-GY	3410
4 Gangpoints, 204X198X90mm	66	56JB4GY	56JB4-GY	4410
Two Aperture Enclosure IP66				
107X101X75mm to Suit 2 Nos of H2000 mechanisms	66	56/32GY	56/32-GY	2145
Condensation Drain				
Condensation Drain	54	56D	56D	2740
Padlocking Clip				
Padlocking Clip		56LK	56IK	494




Surface & Flush Mounting Switches With Enclosure				
1 Gang 15A Single Pole Switch	56	WS226GY	WS226-RG-EX	1010
2 Gang 15A Single Pole Switch	56	WS226/2GY	WS226/2-RG-EX	1390
1 Gang IP66 Enclosure	66	WS229VHGY	WS229VH-RG	1105
Surface Mounting - 10A Push Buttons With Enclosure				
1 Gang Pushbutton Station	66	WS226PBGY	WS226PB-RG-EX	1545
1 Gang Pushbutton Station-Stop	66	WS226PBSGY	WS226PBS-RG-EX	2035
2 Gang Pushbutton Station-Stop/Start	66	WS226/2PBGY	WS226/2PB-RG-EX	2190
Junction Box				
Junction Box	66	W226JBGY	W226JB-RG-EX	722
Adaptable Box				
77L X 77W X 54H mm	56	265/1GY	265/1-GY	328
108L X 108W X 76H mm	56	265/3GY	265/3-GY	498
163L X 108W X 81H mm	56	265/4GY	265/4-GY	690
211L X 108W X 81H mm	56	265/5GY	265/5-GY	784
300L X 200W X 152H mm	56	265/7GY	265/7-GY	3140

Description	IP Rating	Catalogue No.	Reference	Unit MRP 
Adaptable Enclosures				
108L X 108W X 139H mm - Clear Lid	56	763GY	763-GY	1510
163L X 108W X 142H mm - Clear Lid	56	764GY	764-GY	1685
211L X 108W X 139H mm - Clear Lid	56	765GY	765-GY	1890



Description	Module Width	Catalogue No.	Reference	Unit MRP 
Switchgear Cover Assemblies				
For 1,2,3 Pole MCB with 4 Pole RCD (max. 4M Width)	4	56CB4NGY	56CB4N-GY	2755

Description	No. of Gangs	Catalogue No.	Reference	Unit MRP 
Flush Surrounds				
Flush Surround	1	56FA1GY	56FA1-GY	996
Flush Surround	2	56FA2GY	56FA2-GY	1390
Flush Surround	3	56FA3GY	56FA3-GY	2190
Flush Surround	4	56FA4GY	56FA4-GY	2190

Mounting Enclosures (Back Boxes)				
101X101X63mm	1	56E1GY	56E1-GY-EX	672
198X101X63mm	2	56E2GY	56E2-GY	1385
294X101X63mm	3	56E3GY	56E3-GY	2265
198X198X63mm	4	56E4GY	56E4-GY	2920
294X198X63mm	6	56E6GY	56E6-GY	4675
391X198X63mm	8	56E8GY	56E8-GY	6130
294X294X63mm	9	56E9GY	56E9-GY	6960
391X391X63mm	16	56E16GY	56E16-GY	12325



- Satin finish
- Clear uncluttered modular design with more space for wiring
- Sockets with unique shutter design
- Easy to install
- IP20 degree protection and child proof Sockets
- Meets the highest standards of safety and durability

Description	Reference For White	Unit MRP [€]	Reference For Coke Grey	Unit MRP [€]
Switches				
6A 1-Way	X1001WH	104	AAKY1001	134
6A 1-Way with indicator lamp	X1081WH	158	AAKY1081	180
6A 2-Way	X1002WH	128	AAKY1002	170
16A 1-Way	X1101WH	146	AAKY1101	196
16A 1-Way with indicator lamp	X1181WH	210	AAKY1181	242
16A 2-Way	X1102WH	200	AAKY1102	230
6A 1-Way switch 2 module	X1021WH	166	AAKY1021	184
16A 1-Way switch 2 module	X1121WH	214	AAKY1121	242
6A 1-Way switch 2 module with indicator	X1028WH	210	AAKY1028	234
16A 1-Way switch 2 module with indicator	X1128WH	246	AAKY1128	268
20A DP with indicator lamp	X1286WH	334	AAKY1286	374
32A DP switch	AAKX1232	505	-	-
Bell Push				
6A bell push	X1005WH	142	AAKY1005	176
6A bell push (2 M)	X1025WH	196	AAKY1025	224
6A bell push with indicator	X1085WH	188	AAKY1085	200
6A bell push with indicator (2 M)	X1086WH	216	AAKY1086	240
Socket				
6A 2-Pin/3-Pin Socket Outlet with Shutter	X2005WH	152	AAKY2005	194
6A "Uni Socket" Socket Outlet with Shutter	X2007WH	196	AAKY2007	226
16A 3-Pin Socket Outlet with Shutter	X2103WH	278	AAKY2103	306
6A/16A 3-Pin Socket Outlet with Shutter	X2106WH	226	AAKY2106	288
13A BS flat Pin Socket Outlet with Shutter	X2403WH	328	AAKY2403	358
20A, 3 Pin Socket Outlet with Shutter	X2206WH	292	AAKY2206	350
25A, 3 Pin Socket Outlet with Shutter	X2207WH	320	AAKY2207	366
13A Multi Pin Socket Outlet with Shutter	X2010WH	270	AAKY2010	322
Dimmer/FR				
Dimmer 400W	X3004WH	820	AAKY3004	935
Dimmer 1200W	X3012WH	1055	AAKY3012	1160
Step type fan regulator	X3200WH	540	AAKY3200	700
Dimmer 400W in Single Module	X3104WH	474	AAKY3104	540
Buzzer				
Buzzer	X3300WH	525	AAKY3300	570
Telecommunication				
RJ11 (no shutter)	X4010WH	128	AAKY4010	146
RJ11 (shuttered)	X4011WH	130	AAKY4011	158
Twin RJ11 (no shutters) 1M	X4020WH	212	AAKY4020	254
RJ45 (shuttered)	X4045WH	560	AAKY4045	685
TV Socket	X4500WH	112	AAKY4500	154
RJ45 Cover for Ket stone type	X4050WH	150	AAKY4050	168
Gripped Cord Outlet	X4550WH	126	AAKY4550	140
Cover Plates				
1-2 M Grid & 1 M Cover Frame Combined	X0701	80	AAKY0801	104
1-2 M Grid & 2 M Cover Frame	X0702	84	AAKY0802	108
3 M Grid & 3 M Cover Frame	X0703	102	AAKY0803	130
3 Module Universal Grid & 3 M Cover Frame	X0733WH	134	AAKY0833	160
4 M Grid & 4 M Cover Frame	X0704	126	AAKY0804	152
6 M Grid & 6 M Cover Frame	X0706	166	AAKY0806	212
8 M Grid & 8 M Cover Frame - Linear	X0708	220	AAKY0808	274
8 M Grid & 8 M Cover Frame - Square	X0709	258	AAKY0809	308
12 M Grid & 12 M Cover Frame	X0712	312	AAKY0812	380
18 M Grid & 18 M Cover Frame	AAKX0718	398	-	-

Description	Reference For White	Unit MRP [₹]	Reference For Coke Grey	Unit MRP [₹]
Motor Starter Switch				
25 A Motor Starter switch	X1186WH	995	AAKY1186	1150
Adaptor Plate for H30 Mechanism				
Adaptor Plate for 30 series mechanism	X0002WH	148	AAKY0002	174
Blank Off				
Blank off unit (1 M)	X0001WH	36	AAKY0001	52

Description	Reference	Unit MRP [₹]
Cover Colour Plates		
Matt Silver		
1-2 M Grid & 1 M Cover Frame Combined	AAKX0741	252
1-2 M Grid & 2 M Cover Frame	AAKX0742	274
3 M Grid & 3 M Cover Frame	AAKX0743	326
3 Module Universal Grid & 3 M Cover Frame	AAKX0744	326
4 M Grid & 4 M Cover Frame	AAKX0745	388
6 M Grid & 6 M Cover Frame	AAKX0746	480
8 M Grid & 8 M Cover Frame - Linear	AAKX0747	630
8 M Grid & 8 M Cover Frame - Square	AAKX0748	630
12 M Grid & 12 M Cover Frame	AAKX0749	860
Matt Gold		
1-2 M Grid & 1 M Cover Frame Combined	AAKX0751	252
1-2 M Grid & 2 M Cover Frame	AAKX0752	274
3 M Grid & 3 M Cover Frame	AAKX0753	326
3 Module Universal Grid & 3 M Cover Frame	AAKX0754	326
4 M Grid & 4 M Cover Frame	AAKX0755	388
6 M Grid & 6 M Cover Frame	AAKX0756	480
8 M Grid & 8 M Cover Frame - Linear	AAKX0757	630
8 M Grid & 8 M Cover Frame - Square	AAKX0758	630
12 M Grid & 12 M Cover Frame	AAKX0759	860
Neon Phase Indicator		
Neon Phase Indicator Red	X5001	206
Neon Phase Indicator Green	X5002	206
Neon Phase Indicator Yellow	X5003	206
Metal Boxes (GI)		
Metal Box 1 & 2 modules - 1 mm	GR1102	83
Metal Box 3 modules - 1 mm	GR1103	107
Metal Box 4 modules - 1 mm	GR1104	125
Metal Box 6 modules - 1 mm	GR1106	171
Metal Box 8 modules, linear - 1 mm	GR1108	225
Metal Box 8 modules, square - 1 mm	GR1109	225
Metal Box 12 module - 1 mm	GR1112	276
Metal Box 18 modules - 1 mm	GR1118	329
Metal Box 1 & 2 modules - 0.8 mm	GE0102	74
Metal Box 3 modules - 0.8 mm	GE0103	95
Metal Box 4 modules - 0.8 mm	GE0104	109
Hotel Series (Available in White Colour Only)		
DND Panel	AAKX6001	316
DND Switch	AAKX6002	246
MMR Panel	AAKX6003	298
MMR Switch	AAKX6004	246
Key Tag Switch (Mechanical Type 20 A)	AAKX6005	640
Shaver Socket	AAKX6006	2085




- A visual delight with high functionality.
- Well crafted for tasteful interior.
- A switch with its 2.7mm wall hug and free flowing surface design in high gloss soft white finish makes it a design marvel.
- Robust design ensures high performance and ease of installation.

Description	Reference	Unit MRP
Switches		
10AX 1 way Switch	P1001	98
10AX 1 way switch with indicator lamp	P1081	153
10AX 2 way switch	P1002	123
16AX 1 way switch	P1101	140
16AX 1 way switch with indicator lamp	P1181	191
16AX 1 way Switch (2M)	P1121	194
20A DP switch with indicator lamp	P1120	305
32A DP switch with indicator lamp	P1132	497
Bell Push		
10A Bell Push switch	P1005	140
10A Bell Push switch (2M)	P1025	187
10A bell push switch with indicator	P1085	168
10A bell push switch with indicator (2M)	P1086	207
Sockets		
10A, 2/3pin Socket Outlet with Shutter	P2005	151
10A/16A 3-pin Socket Outlet with Shutter	P2106	217
10A/25A 3 Pin Socket Outlet with Shutter	P2207	306
13A Multi Pin Socket Outlet with Shutter	P2010	278
Dimmer/FR		
Dimmer 1000W (2M)	P3012	1015
Step type fan regulator (2M)	P3200	526
Step type fan regulator (1M)	P3100	450
Dimmer 400W (1M)	P3004	797
Telecommunication		
RJ 11 Tel outlet with shuttered	P4011	118
RJ 45 cat 5e Data outlet with shuttered	P4045	450
RJ 45 cat6 Data outlet with shuttered	P4046	525
TV socket	P4500	110
Cover Plates		
1-2 M Grid & 1 M Cover Frame	P0701	79
1-2 M Grid & 2 M Cover Frame	P0702	81
3 M Grid & 3 M Cover Frame	P0703	99
4 M Grid & 4 M Cover Frame	P0704	121
6 M Grid & 6 M Cover Frame	P0706	161
8 M Grid & 8 M Cover Frame - Linear	P0708	212
8 M Grid & 8 M Cover Frame - Square	P0709	238
12 M Grid & 12 M Cover Frame	P0712	289
18 M Grid & 18M Cover Frame	P0718	405
Others		
Blank off unit (1M)	P0001	33



- Clean, geometrically balanced design
- A slim, trim profile with wall plate only 8 mm
- 16AX switches, handles additional loading, enables wider application
- Perfect solution for any environment, from residential units to commercial buildings

Description	Reference	Unit MRP 
Flush Switches		
16AX 250V 1 Gang 1 Way Switch	KB31/1	136
16AX 250V 1 Gang 2 Way Switch	KB31	146
16AX 250V 2 Gang 1 Way Switch	KB32/1	224
16AX 250V 2 Gang 2 Way Switch	KB32	266
16AX 250V 3 Gang 1 Way Switch	KB33/1	266
16AX 250V 3 Gang 2 Way Switch	KB33	316
16AX 250V Intermediate Switch	KB31IA-OS	412
10A 250V Bell Press	KB31BPB	136
10A 2 Gang Press Switch	KB32BP-OS	220
Double Pole Switches		
20A 250V 1 Gang DP Switch with Neon and Earth	KB31D20NE-OS	360
Switch Socket Outlets		
10A 2-3 Switched Socket-Shuttered	KB15_10	316
6/16A Switched Socket-Shuttered	KB15_16_10	416
5A 250V 1 Gang switched Socket	KB15/5-OS	230
10A 250V 1 Gang 2 Pin Universal Socket	KB426US-OS	218
13A 250V 1 Gang Socket	KB426-OS	244
13A 250V 1 Gang International Socket	KB413S-OS	274
13A 250V 1 Gang International Switched Socket Large Dolly	KB113LS-OS	342
13A 250V 1 Gang International Switched Socket Large Dolly with Neon	KB113LSN-OS	466
15A 250V 1 Gang Switched Socket	KB15/15-OS	316
15A 250V 1 Gang Switched Socket with Neon	KB15/15N-OS	360
Connection & Control Unit		
25A 250V Connection Unit	KB31TB-OS	252
Telecommunication		
1 Gang Telephone Outlet with Shutter	KB31TS-OS	158
2 Gang Telephone Outlet with Shutter	KB32TS-OS	252
1 Gang TV Co-Axial Outlet	KB31TV-OS	158
2 Gang TV Co-Axial Outlet	KB32TV-OS	238
1 Gang CAT 5 with Shutter	KB31RJ5E-OS	394
1 Gang Tel Outlet + 1 Gang Data Outlet CAT 5E with Shutter	KB32TS+RJ5E-OS	540
1 Gang CAT 6 with Shutter	KB31RJ6-OS	665
2 Gang CAT 6 with Shutter	KB32RJ6-OS	1215
Dimmer & Fan Control		
400W Light Dimmer	KB31RD400-OS	645
Step Type - Fan Speed controller	KB31FR	575
Flush Plate & Accessories		
1 Gang Blank Plate	KB30-OS	96
2 Gang Surround	KB-21-OS	86
3 Gang Surround	KB-31-OS	120
4 Gang Surround	KB-41-OS	152
Hotel Series		
Do Not Disturb with bell press	KB31BD-OS	385
Do Not Disturb and Clean Up Room with bell press	KB31BD/C-OS	540
Hotel key card	KB31EKT-OS	2280
115/240V Shaver Unit	KBT727V-OS	2105



- First and only full-flat mechanical switch in the world with iso-motion press
- Made of corrosion-resistant, heat-resistant and impact-resistant polycarbonate
- Data Socket with patented integrated shutter
- Switches are electric arc encapsulated
- Switches tested 80,000 times, Sockets tested to 15,000 cycles
- RoHS compliant

Description	Reference	Unit MRP ₹
White Colour		
Switches		
6A 1 Way Switch	IN8401	158
6A 1 Way Switch (2M Size)	IN8421	234
6A 2 Way Switch	IN8402	186
6A 1 Way Switch with Neon	IN8481	228
16AX~20A 1 Way Switch	IN8401/16	220
16AX~20A 1 Way Switch (2M Size)	IN8421/16	308
16AX~20A 1 Way Switch with Neon	IN8481/16	310
16AX~20A 1 Way Switch with Neon (2M Size)	IN8482/16	364
16AX~20A 2 Way Switch	IN8402/16	306
16AX~20A 2 Way Switch (2M Size)	IN8422/16	366
16AX~20A 1 Way 2G Switch in one module	IN8444/16	352
10AX Intermediate switch	IN8430/IM	474
20A DP Switch with Neon (2M Size)	IN8486/20	478
32A DP Switch with Neon (2M Size)	IN8486/32	745
Motor Starter Switch		
25A Motor Starter Switch (2M Size)	IN8425MS	1200
Bell Push		
6A Door Bell	IN8405	204
6A Door Bell (2M Size)	IN8425	296
6A Door Bell with Neon	IN8485	264
6A Door Bell with Neon (2M Size)	IN8486	328
Sockets		
2~3 Pin Universal Socket with Shutter	IN8426U	234
16A/6A 3 Pin Socket with Shutter	IN8426/16	350
13A Flat Pin Socket with Shutter	IN84213	478
International Socket with Shutter	IN84213IS	428
Universal 2 Pin Socket with Shutter	IN84226U	244
20A 3 Pin Socket with Shutter	IN84220	444
25A 3 Pin Socket with Shutter	IN84225	482
Telecommunication		
RJ11 1 Gang Tel Outlet with Shutter	IN8431RJS4	244
Data Outlet (RJ45) Cat 6 (Shuttered)	IN8431RJ6	855
Data Outlet Wall Plate (for RJ45 key stone jack)	IN8431RJC	224
TV Socket	IN8431TV	174
Dimmer/FR		
400W Dimmer	IN8404D	705
Fan Control (5 Speeds)	IN84SFR	830
Others		
Foot Lamp with White LED (2M Size)	IN8490FLW	1555
Foot Lamp with Yellow LED (2M Size)	IN8490FLY	1515
Cord Outlet (Connection Unit)	IN8445CO	158
Blank Off Cover		
1 module size Blank off Cover	IN8430X	52

Description	Reference	Unit MRP ₹
Dark Grey Colour		
Switches		
6A 1 Way Switch	IN8401(BZ)	198
6A 1 Way Switch (2M Size)	IN8421(BZ)	294
6A 2 Way Switch	IN8402(BZ)	230
6A 1 Way Switch with Neon	IN8481(BZ)	286
16AX~20A 1 Way Switch	IN8401/16(BZ)	270
16AX~20A 1 Way Switch (2M Size)	IN8421/16(BZ)	370
16AX~20A 1 Way Switch with Neon	IN8481/16(BZ)	376
16AX~20A 1 Way Switch with Neon (2M Size)	IN8482/16(BZ)	444
16AX~20A 2 Way Switch	IN8402/16(BZ)	350
16AX~20A 2 Way Switch (2M Size)	IN8422/16(BZ)	424
16AX~20A 1 Way 2G Switch in one module	IN8444/16(BZ)	442
Intermediate switch	IN8430/IM(BZ)	580
20A DP Switch with Neon (2M Size)	IN8486/20(BZ)	550
32A DP Switch with Neon (2M Size)	IN8486/32(BZ)	930
Motor Starter Switch		
25A Motor Starter Switch (2M Size)	IN8425MS(BZ)	1325
Bell Push		
6A Door Bell	IN8405(BZ)	254
6A Door Bell (2M Size)	IN8425(BZ)	352
6A Door Bell with Neon	IN8485(BZ)	312
6A Door Bell with Neon (2M Size)	IN8486(BZ)	368
Sockets		
2~3 Pin Universal Socket with Shutter	IN8426U(BZ)	284
16A/6A 3 Pin Socket with Shutter	IN8426/16(BZ)	432
13A Flat Pin Socket with Shutter	IN84213(BZ)	555
International Socket with Shutter	IN84213IS(BZ)	535
Universal 2 Pin Socket with Shutter	IN84226U(BZ)	290
20A 3 Pin Socket with Shutter	IN84220(BZ)	498
25A 3 Pin Socket with Shutter	IN84225(BZ)	580
Telecommunication		
RJ11 1 Gang Tel Outlet with Shutter	IN8431RJS4(BZ)	296
Data Outlet (RJ45) Cat 6 (Shuttered)	IN8431RJ6(BZ)	1030
Data Outlet Wall Plate (for RJ45 key stone jack)	IN8431RJC(BZ)	266
TV Socket	IN8431TV(BZ)	216
Dimmer/FR		
400W Dimmer	IN8404D(BZ)	790
Fan Control (5 Speeds)	IN84SFR(BZ)	975
Others		
Cord Outlet (Connection Unit)	IN8445CO(BZ)	196
Blank Off Cover		
1 module size Blank off Cover	IN8430X(BZ)	62

Description	Reference	Unit MRP ₹
White Colour		
Cover Plates		
1 Module Surround and Gridplate	IN8401C	126
2 Module Surround and Gridplate	IN8402C	132
3 Module Surround and Gridplate	IN8403C	156
4 Module Surround and Gridplate	IN8404C	170
6 Module Surround and Gridplate	IN8406C	260
8 Module Surround & Gridplate - Square	IN8408SC	426
8 Module Surround & Gridplate - Horizontal	IN8408HC	310
9 Module Surround and Gridplate	IN8409C	505
12 Module Surround and Gridplate	IN84012C	695
18 Module Surround and Gridplate	IN84018C	940
Hotel Series		
DND Panel	INH8451	1075
MMR Panel	INH8454	975
DND Switch	INH8452	530
DND Switch, 2 Module	INH8453	540
MMR Switch	INH8455	520
Dark Grey Colour		
Cover Plates		
1 Module Surround and Gridplate	IN8401C(BZ)	152
2 Module Surround and Gridplate	IN8402C(BZ)	158
3 Module Surround and Gridplate	IN8403C(BZ)	192
4 Module Surround and Gridplate	IN8404C(BZ)	226
6 Module Surround and Gridplate	IN8406C(BZ)	300
8 Module Surround & Gridplate - Square	IN8408SC(BZ)	555
8 Module Surround & Gridplate - Horizontal	IN8408HC(BZ)	376
9 Module Surround and Gridplate	IN8409C(BZ)	655
12 Module Surround and Gridplate	IN84012C(BZ)	850
18 Module Surround and Gridplate	IN84018C(BZ)	1150
Hotel Series		
DND Panel	INH8451(BZ)	1270
MMR Panel	INH8454(BZ)	1175
DND Switch	INH8452(BZ)	620
DND Switch, 2 Module	INH8453(BZ)	645
MMR Switch	INH8455(BZ)	620
Silver Bronze Colour		
Cover Plates		
1 Module Surround and Gridplate	IN8401C(SZ)	363
2 Module Surround and Gridplate	IN8402C(SZ)	360
3 Module Surround and Gridplate	IN8403C(SZ)	442
4 Module Surround and Gridplate	IN8404C(SZ)	533
6 Module Surround and Gridplate	IN8406C(SZ)	729
8 Module Surround & Gridplate - Square	IN8408SC(SZ)	1260
8 Module Surround & Gridplate - Horizontal	IN8408HC(SZ)	990
9 Module Surround and Gridplate	IN8409C(SZ)	1584
12 Module Surround and Gridplate	IN84012C(SZ)	2210
18 Module Surround and Gridplate	IN84018C(SZ)	2930
Satin Silver Colour		
Cover Plates		
1 Module Surround and Gridplate	IN8401C(SA)	363
2 Module Surround and Gridplate	IN8402C(SA)	360
3 Module Surround and Gridplate	IN8403C(SA)	442
4 Module Surround and Gridplate	IN8404C(SA)	533
6 Module Surround and Gridplate	IN8406C(SA)	729
8 Module Surround & Gridplate - Square	IN8408SC(SA)	1260
8 Module Surround & Gridplate - Horizontal	IN8408HC(SA)	990
9 Module Surround and Gridplate	IN8409C(SA)	1584
12 Module Surround and Gridplate	IN84012C(SA)	2210
18 Module Surround and Gridplate	IN84018C(SA)	2930



- Unique iso-motion press ensures that the switch stays in the same position whether ON or OFF
- Swiftly operated with one simple motion
- Made of corrosion-resistant, heat-resistant and impact-resistant polycarbonate
- Data Socket with patented integrated shutter
- Switches are electric arc encapsulated
- Switches tested 80,000 times, Sockets tested to 15,000 cycles
- Complies to IEC, BS, SS, MS, CCC, IS and RoHS

Description	Reference For White	Unit MRP [₹]	Reference For Silver Bronze	Unit MRP [₹]
Switches				
16AX/20A 1 Gang 1 Way Full-Flat Switch with Ondicator	E8431/1-OS	264	E8431/1>SZ-OS	328
16AX/20A 2 Gang 1 Way Full-Flat Switch with Ondicator	E8432/1-OS	408	E8432/1>SZ-OS	510
16AX/20A 3 Gang 1 Way Full-Flat Switch with Ondicator	E8433/1-OS	670	E8433/1>SZ-OS	835
16AX/20A 4 Gang 1 Way Full-Flat Switch with Ondicator	E8434/1-OS	960	E8434/1>SZ-OS	1200
16AX/20A 1 Gang 2 Way Full-Flat Switch	E8431/2-OS	282	E8431/2>SZ-OS	352
16AX/20A 2 Gang 2 Way Full-Flat Switch	E8432/2-OS	494	E8432/2>SZ-OS	620
16AX/20A 3 Gang 2 Way Full-Flat Switch	E8433/2-OS	720	E8433/2>SZ-OS	900
16AX 1 Gang Full-Flat Intermediate Switch	E8431/I-OS	785	E8431/I>SZ-OS	980
10A Full-Flat Bell Switch	E8431BP1-OS	286	E8431BP1>SZ-OS	354
Dimmer & Fan Control				
350VA 50Hz 1 Gang Full-Flat Universal Dimmer with LED	E8431EPD4-OS	1705	E8431EPD4>SZ-OS	2130
Socket				
5A 1 Gang 3 Round Pin Switched Socket with Shutter and Ondicator	E8415/5-OS	520	E8415/5>SZ-OS	650
5A 1 Gang 3 Round Pin Switched Socket with Neon and Shutter	E8415/5N-OS	735	E8415/5N>SZ-OS	920
15A 1 Gang 3 Round Pin Switched Socket with Shutter and Ondicator	E8415/15-OS	615	E8415/15>SZ-OS	770
15A 1 Gang 3 Round Pin Switched Socket with Shutter and Neon	E8415/15N-OS	900	E8415/15N>SZ-OS	1120
16A 1 Gang TruGlobal Socket with Shutter	E84426/16IS-OS	655	E84426/16IS>SZ-OS	815
13A 1 Gang Switched Socket with Ondicator	E8415-OS	770	E8415>SZ-OS	960
13A 1 Gang Switched Socket with Neon	E8415N-OS	650	E8415N>SZ-OS	810
10/16A Switched Socket Outlet - Shuttered	E8415_16_10_WE	685	E8415_16_10_SZ	805
10A 2-3 pin Switched Socket Outlet - Shuttered	E8415_10_WE	545	E8415_10_SZ	680
Double Pole Switches				
20A 1 Gang Full-Flat Double Pole Switch with Neon	E8431D20-OS	750	E8431D20>SZ-OS	980
32A 1 Gang Full-Flat Double Pole Rocker Switch with Neon	E8431D32-OS	995	E8431D32>SZ-OS	1305
Connection Units				
25A Connection Unit	E8431TB-OS	655	E8431TB>SZ-OS	815
Telecommunication				
1 Gang TV Socket Master	E8431TVM-OS	330	E8431TVM>SZ-OS	410
1 Gang Telephone Socket on Shuttered Wallplate	E8431RJS4-OS	420	E8431RJS4>SZ-OS	525
1 Gang Data Outlet Category 5E with Integrated Shutter	E8431RJ/5-OS	655	E8431RJ/5>SZ-OS	815
1 Gang Data Outlet Category 6 with Integrated Shutter	E8431RJ/6-OS	785	E8431RJ/6>SZ-OS	980
1 Gang Data Outlet Category 5E on Shuttered Wallplate	E8431RJS/5-OS	815	E8431RJS/5>SZ-OS	1020
1 Gang Data Outlet Category 6 on Shuttered Wallplate	E8431RJS/6-OS	980	E8431RJS/6>SZ-OS	1225
2 Gang Telephone Socket on Shuttered Wallplate	E8432RJS4-OS	980	E8432RJS4>SZ-OS	1220
2 Gang Data Outlet Category 5E with Integrated Shutter	E8432RJ/5-OS	1145	E8432RJ/5>SZ-OS	1425
2 Gang Data Outlet Category 6 with Integrated Shutter	E8432RJ/6-OS	1465	E8432RJ/6>SZ-OS	1830
2 Gang Data Outlet Category 5E on Shuttered Wallplate	E8432RJS/5-OS	1145	E8432RJS/5>SZ-OS	1425
2 Gang Data Outlet Category 6 on Shuttered Wallplate	E8432RJS/6-OS	1465	E8432RJS/6>SZ-OS	1830
2 Gang Telephone + Data Outlet Category 5E with Integrated Shutter	E8432TDRJ/5-OS	980	E8432TDRJ/5>SZ-OS	1225
2 Gang Telephone + Data Outlet Category 6 with Integrated Shutter	E8432TDRJ/6-OS	1385	E8432TDRJ/6>SZ-OS	1730
2 Gang Telephone + Data Outlet Category 5E on Shuttered Wallplate	E8432TDRJS/5-OS	1220	E8432TDRJS/5>SZ-OS	1520
2 Gang Telephone + Data Outlet Category 6 on Shuttered Wallplate	E8432TDRJS/6-OS	1385	E8432TDRJS/6>SZ-OS	1730
1 Gang Wallplate without Modular Jack	E8431RJ-OS	166	E8431RJ>SZ-OS	206
1 Gang Shuttered Wallplate without Modular Jack	E8431RJS-OS	248	E8431RJS>SZ-OS	308
2 Gang Wallplate without Modular Jack	E8432RJ-OS	282	E8432RJ>SZ-OS	348
2 Gang Shuttered Wallplate without Modular Jack	E8432RJS-OS	294	E8432RJS>SZ-OS	368
TV + Cat 6 shutter outlet	E8432TVRJ6_WE_G1	1220	E8432TVRJ6_SZ_G1	1330

Description	Reference For White	Unit MRP ₹	Reference For Silver Bronze	Unit MRP ₹
Hotel Series				
Electronic Key Card Time Delay Switch	E8431EKT-OS	4960	E8431EKT>SZ-OS	6200
Illuminated "Do Not Disturb" & "Please Clean Up" Symbols	E8432DM-OS	2315	E8432DM>SZ-OS	2890
Illuminated "Do not Disturb" Symbol	E8431D-OS	655	E8431D>SZ-OS	815
1 Gang Full-Flat Switch with Illuminated "Do not Disturb" Symbol	E8431DS-OS	352	E8431DS>SZ-OS	440
2 Gang Full-Flat Switch with Illuminated "Do not Disturb" & "Please Clean Up" Symbols	E8432DMS-OS	2550	E8432DMS>SZ-OS	3185
1 Gang Full-Flat Bell Switch with Illuminated "Do Not Disturb" Symbol	E8431BPD-OS	1885	E8431BPD>SZ-OS	2355
1 Gang Full-Flat Bell Switch with Illuminated "Do Not Disturb" & "Please Clean Up" Symbols	E8431BPDM-OS	2475	E8431BPDM>SZ-OS	3095
Universal Shaver Unit, Vertical	E84T727V-OS	2800	E84T727V>SZ-OS	3495
Universal Shaver Unit, Horizontal	E84T727H-OS	2800	E84T727H>SZ-OS	3495
Blank Plate				
1 Gang Blank Plate	E8430X-OS	174	E8430X>SZ-OS	216



- Provides a fresh look through the use of LED technology
- Standard colours include Grey and White incorporating Blue and White LED respectively
- Switches with fluorescent indication also available to match different decor design.
- Horizontal alignment available

Description	Reference	Unit MRP [₹]
Horizontal Dolly Switches with Blue LED Indicator		
10AX 250V 1 Gang 1 Way Grey Switch with Blue LED	E3031H1EBGS	452
10AX 250V 1 Gang 2 Way Grey Switch with Blue LED	E3031H2EBGS	525
10AX 250V 2 Gang 1 Way Grey Switch with Blue LED	E3032H1EBGS	705
10AX 250V 2 Gang 2 Way Grey Switch with Blue LED	E3032H2EBGS	830
10AX 250V 3 Gang 1 Way Grey Switch with Blue LED	E3033H1EBGS	1030
10AX 250V 3 Gang 2 Way Grey Switch with Blue LED	E3033H2EBGS	1215
10AX 250V 4 Gang 1 Way Grey Switch with Blue LED	E3034H1EBGS	1290
10AX 250V 4 Gang 2 Way Grey Switch with Blue LED	E3034H2EBGS	1525
Horizontal Dolly Switches with White LED Indicator		
10AX 250V 1 Gang 1 Way White Switch with White LED	E3031H1EWWW	438
10AX 250V 1 Gang 2 Way White Switch with White LED	E3031H2EWWW	505
10AX 250V 2 Gang 1 Way White Switch with White LED	E3032H1EWWW	700
10AX 250V 2 Gang 2 Way White Switch with White LED	E3032H2EWWW	805
10AX 250V 3 Gang 1 Way White Switch with White LED	E3033H1EWWW	985
10AX 250V 3 Gang 2 Way White Switch with White LED	E3033H2EWWW	1145
10AX 250V 4 Gang 1 Way White Switch with White LED	E3034H1EWWW	1255
10AX 250V 4 Gang 2 Way White Switch with White LED	E3034H2EWWW	1490
Horizontal Dolly Switches with White Fluorescent Indicator		
10AX 250V 1 Gang 1 Way White Switch with White Fluorescent Indicator	E3031H1FWWW	436
10AX 250V 1 Gang 2 Way White Switch with White Fluorescent Indicator	E3031H2FWWW	490
10AX 250V 2 Gang 1 Way White Switch with White Fluorescent Indicator	E3032H1FWWW	695
10AX 250V 2 Gang 2 Way White Switch with White Fluorescent Indicator	E3032H2FWWW	810
10AX 250V 3 Gang 1 Way White Switch with White Fluorescent Indicator	E3033H1FWWW	980
10AX 250V 3 Gang 2 Way White Switch with White Fluorescent Indicator	E3033H2FWWW	1160
10AX 250V 4 Gang 1 Way White Switch with White Fluorescent Indicator	E3034H1FWWW	1270
10AX 250V 4 Gang 2 Way White Switch with White Fluorescent Indicator	E3034H2FWWW	1500
Vertical Dolly Switches with Blue LED Indicator		
10AX 250V 1 Gang 1 Way Grey Switch with Blue LED	E3031V1EBGS	452
10AX 250V 1 Gang 2 Way Grey Switch with Blue LED	E3031V2EBGS	525
10AX 250V 2 Gang 1 Way Grey Switch with Blue LED	E3032V1EBGS	705
10AX 250V 2 Gang 2 Way Grey Switch with Blue LED	E3032V2EBGS	830
10AX 250V 3 Gang 1 Way Grey Switch with Blue LED	E3033V1EBGS	1030
10AX 250V 3 Gang 2 Way Grey Switch with Blue LED	E3033V2EBGS	1215
Vertical Dolly Switches with White LED Indicator		
10AX 250V 1 Gang 1 Way White Switch with White LED	E3031V1EWWW	438
10AX 250V 1 Gang 2 Way White Switch with White LED	E3031V2EWWW	505
10AX 250V 2 Gang 1 Way White Switch with White LED	E3032V1EWWW	700
10AX 250V 2 Gang 2 Way White Switch with White LED	E3032V2EWWW	815
10AX 250V 3 Gang 1 Way White Switch with White LED	E3033V1EWWW	985
10AX 250V 3 Gang 2 Way White Switch with White LED	E3033V2EWWW	1145
Vertical Dolly Switches with White Fluorescent Indicator		
10A 1 Gang 1 Way White Switch with White Fluorescent Indicator	E3031V1FWWW	436
10A 1 Gang 2 Way White Switch with White Fluorescent Indicator	E3031V2FWWW	490
10A 2 Gang 1 Way White Switch with White Fluorescent Indicator	E3032V1FWWW	695
10A 2 Gang 2 Way White Switch with White Fluorescent Indicator	E3032V2FWWW	810
10A 3 Gang 1 Way White Switch with White Fluorescent Indicator	E3033V1FWWW	980
10A 3 Gang 2 Way White Switch with White Fluorescent Indicator	E3033V2FWWW	1160

Description	Reference	Unit MRP [₹]
Socket		
15A 1 Gang Switch Socket Outlet Grey with Blue LED	E3015/15-EBGS-EX	1340
15A 1 Gang Switch Socket Outlet White with White LED	E3015/15-EWWW-EX	1305
10A International Socket in Grey colour	E3426/10IS>GS-OS	1050
10A International Socket in White colour	E3426/10IS>WW-OS	1005
6A 1 Gang Switch Socket Outlet Grey	EH3015/6>GS-OS	775
6A 1 Gang Switch Socket Outlet White	EH3015/6>WW-OS	745
16/6A 1 Gang Switch Socket Outlet Grey	EH3015/16/6>GS-OS	1085
16/6A 1 Gang Switch Socket Outlet White	EH3015/16/6>WW-OS	1060
Bell Push		
4A 1 Way Horizontal Bell Push Switch Grey	E3031HBP>GS-OS	935
4A 1 Way Vertical Bell Push Switch Grey	E3031VBP>GS-OS	925
4A 1 Way Horizontal Bell Push Switch White	E3031HBP>WW-OS	920
4A 1 Way Vertical Bell Push Switch White	E3031VBP>WW-OS	910
20A DP Switch		
1 Gang Horizontal 20A DP Grey Switch with Blue LED	E3031HD20EBGS	785
1 Gang Horizontal 20A DP White Switch with White LED	E3031HD20EWWW	760
1 Gang Vertical 20A DP Grey Switch with Blue LED	E3031VD20>EBGS-OS	765
1 Gang Vertical 20A DP White Switch with White LED	E3031VD20>EWWW-OS	740
32A DP Switch		
32A 1 Gang DP Rocker Grey Switch with Blue LED	E3031DR32EBGS	1145
32A 1 Gang DP Rocker White Switch with White LED	E3031DR32EWWW	1105
Intermediate Switch		
16AX Intermediate Switch with Blue LED	E3031VIA>EBGS-OS	1240
16AX Intermediate Switch with White LED	E3031VIA>EWWW-OS	1190
Telecommunication		
1 Gang TV Socket Outlet in Grey Silver colour	E3031TV>GS-OS	700
1 Gang TV Socket Outlet in White colour	E3031TV>WW-OS	685
2 Gang TV Socket Outlet in White colour	E3032VTV>GS-OS	1365
2 Gang TV Socket Outlet in Grey colour	E3032VTV>WW-OS	700
4 Pin 1 Gang Telephone Outlet (CAT 3) in Grey colour	E3031RJ>GS-OS	810
4 Pin 1 Gang 8 Pin Data Outlet (CAT 5E) in Grey colour	E3031RJ5E>GS-OS	2215
4 Pin 2 Gang Telephone Outlet (CAT 3) in Grey colour	E3032RJ>GS-OS	1450
4 Pin Telephone Outlet (CAT 3) + 8 Pin Data Outlet (CAT 5E) in Grey colour	E3032TD>GS-OS	2725
4 Pin 1 Gang Telephone Outlet in White colour	E3031RJ>WW-OS	770
4 Pin 1 Gang 8 Pin Data Outlet (CAT 5E) in White colour	E3031RJ5E>WW-OS	2130
4 Pin 2 Gang Telephone Outlet (CAT 3) in White colour	E3032RJ>WW-OS	1365
4 Pin Telephone Outlet (CAT 3) + 8 Pin Data Outlet (CAT 5E) in White colour	E3032TD>WW-OS	2640
1G Keystone Plate Shuttered - Grey Silver	E3031RJK>GS-OS	464
1G Keystone Plate Shuttered - White	E3031RJK>WW-OS	448
2G Keystone Plate Shuttered - Grey Silver	E3032RJK>GS-OS	486
2G Keystone Plate Shuttered - White	E3032RJK>WW-OS	478

Description	Reference	Unit MRP [€]
Blank Plate		
1 Gang Blank Plate in Grey colour	E3030X>GS-OS	396
2 Gang Blank Plate in Grey colour	ET3030X>GS-OS	885
1 Gang Blank Plate in White colour	E3030X>WW-OS	378
2 Gang Blank Plate in White colour	ET3030X>WW-OS	855
Terminal Block		
25A Connection Unit in Grey colour	E3031TB>GS-OS	615
25A Connection Unit in White colour	E3031TB>WW-OS	590
Dimmer/FR		
Single Gang Dimmer Grey with Blue LED	E3031HD>EBGS-OS	8490
2 Gang Horizontal Dimming Grey Switch with Blue LED	E3032HD>EBGS-OS	14895
Single Gang Dimmer White with White LED	E3031HD>EWWW-OS	8410
2 Gang Horizontal Dimming White Switch with White LED	E3032HD>EWWW-OS	14480
1 Gang Fan Control in Grey colour	E3031FRGS	1230
1 Gang Fan Control in White colour	E3031FRWW	1115
Hotel Series		
2 Gang "Do Not Disturb" & "Please Clean Up" Combined (Horizontal) in Grey colour	E3032HDM>GS-OS	4215
1 Gang "Do Not Disturb" & "Please Clean Up" Combined (Vertical) in Grey colour	E3030VDM>GS-OS	3925
1 Gang Bell Push with "Please Clean Up" Combined (Vertical) in Grey colour	E3031VBPM>GS-OS	3220
1 Gang Bell Push with "Do not Disturb" Combined (Vertical) in Grey colour	E3031VBPD>GS-OS	3220
1 Gang Bell Push with "Do Not Disturb" & "Please Clean Up" Combined (Vertical) in Grey colour	E3031VBPDM>GS-OS	3220
Electronic Key Card Switch (Horizontal) in Grey colour	E3031EKTH>GS-OS	9560
115/240V Shaver Outlet (Vertical) in Grey colour	ET3727V>GS-OS	4635
2 Gang "Do not Disturb" & "Please Clean Up" Combined (Horizontal) in White colour	E3032HDM>WW-OS	4085
1 Gang "Do not Disturb" & "Please Clean Up" Combined (Vertical) in White colour	E3030VDM>WW-OS	3710
1 Gang Bell Push with "Please Clean Up" Combined (Vertical) in White colour	E3031VBPM>WW-OS	3105
1 Gang Bell Push with "Do not Disturb" Combined (Vertical) in White colour	E3031VBPD>WW-OS	3105
1 Gang Bell Push with "Do not Disturb" & "Please Clean Up" Combined (Vertical) in White colour	E3031VBPDM>WW-OS	3105
Electronic Key Card Switch (Horizontal) in White colour	E3031EKTH>WW-OS	9305
115/240V Shaver Outlet (Vertical) in White colour	ET3727V>WW-OS	4545



- Pleasing looks with IP56 protection
- Large press switch
- Co-moulded sealing with no risk of gasket damage
- Chemical resistant & UV stabilised

Product Information	IP Rating	Catalogue No.	Reference	Unit MRP [₹]
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Kavacha IP56 Surface Mount Combined Switched Socket Outlets

Combination Switch Socket Outlets

16A Single Pole Switched Socket Outlet	56	CSC316RP	CSC316RP-GY-EX	2372
16A Double Pole Switched Socket Outlet	56	CSC316RPD	CSC316RPD-GY-EX	2554

Combination Switch Socket Outlet with Neon

16A Double Pole Switched Socket Outlet with Neon	56	CSC316RPDN	CSC316RPDN-GY-EX	2674
16A Single Pole Switched Socket Outlet with Neon	56	CSC316RPN	CSC316RPN-GY-EX	2554

Kavacha IP56 Surface Mount Socket Outlets

16A Socket Outlet	56	CSO316RP	CSO316RP-GY-EX	1399
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Kavacha IP56 Surface Mount Isolator Switches

Single Pole

20A Single Pole Isolator Switch	56	CSS120	CSS120-GY-EX	2615
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Double Pole

20A Double Pole Isolator Switch	56	CSS220	CSS220-GY-EX	2674
32A Double Pole Isolator Switch	56	CSS232	CSS232-GY-EX	2796

Triple Pole

16A Triple Pole Isolator Switch	56	CSS316	CSS316-GY-EX**	3161
20A Triple Pole Isolator Switch	56	CSS320	CSS320-GY-EX**	3282
32A Triple Pole Isolator Switch	56	CSS332	CSS332-GY-EX	3526

Four pole

40A Four Pole Isolator Switches	56	CSS440	CSS440-GY-EX	3647
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Single Pole with Neon

20A Single Pole Isolator with Neon	56	CSS120N	CSS120N-GY-EX**	2736
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Double Pole with Neon

20A Double Pole Isolator with Neon	56	CSS220N	CSS220N-GY-EX**	2796
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Triple Pole with Neon

16A Triple Pole Isolator with Neon	56	CSS316N	CSS316N-GY-EX**	3282
20A Triple Pole Isolator with Neon	56	CSS320N	CSS320N-GY-EX**	3403
32A Triple Pole Isolator with Neon	56	CSS332N	CSS332N-GY-EX**	3647
40A Triple Pole Isolator with Neon	56	CSS340N	CSS340N-GY-EX**	3768

Kavacha IP56 Surface Mount Switches

Switches with Looping Terminal

10A 1 Gang 2 Way Switch	56	CSW110	CSW110-GY-EX	1429
20A/16A 1 Gang 2 Way Switch	56	CSW120	CSW120-GY-EX	1641
10 A 2 Gang 2 Way Switch	56	CSW110/2	CSW110/2-GY-EX	1945
20A/16A 1 Gang 2 Way Switch	56	CSW120/2	CSW120/2-GY-EX	2188
10A 1 Gang 2 Way Bell Press Return Switch	56	CSW110BPR	CSW110BPR-GY-EX	1660

Product Information	IP Rating	Catalogue No.	Reference	Unit MRP [₹]
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Double Pole Switches

20A 1 Gang Double Pole Switch	56	CSW220	CSW220-GY-EX	2250
20A 2 Gang Double Pole Switch	56	CSW220/2	CSW220/2-GY-EX	2372

Switches with Looping Terminal with Neon

10 A 1 Gang 2 Way surface switch with Looping Terminal with Neon	56	CSW110N	CSW110N-GY-EX	1641
10A 2 Gang 2 Way with Looping Terminal and Neon	56	CSW110/2N	CSW110/2N-GY-EX	2067
20A 1 Gang 2 Way with Looping Terminal with Neon	56	CSW120N	CSW120N-GY-EX	1764
20A/16A 2 Gang 2 Way with Looping Terminal with Neon	56	CSW120/2N	CSW120/2N-GY-EX	2310

Kavacha Heavy Duty Isolator Switches

20A Double Pole	56	WHD20GY	WHB220-RG	2481
20A Triple Pole	56	WHT20GY	WHT20-GY-EX	2765
35A Triple Pole	56	WHT35GY	WHT35-GY-EX	3090
55A Triple Pole	56	WHT55GY	WHT55-GY-EX	3284
63A Triple Pole	56	WHT63GY	WHT63-GY-EX	3520
80A Triple Pole	56	WHC380RG	WHC380-RG	3998

Kavacha Full-Time Weatherproof Cover

Full-Time Weatherproof Membrane Switch Cover (Transparent) IP55		E223M_TR	834
Full-Time Weatherproof Membrane Switch Cover (White) IP56		E223M_WE	754
Full-Time Weatherproof Single Gang Socket Cover (Transparent) IP55		E223R_TR	587
Full-Time Weatherproof Single Gang Socket Cover (White) IP56		E223R_WE	531

Kavacha Weatherproof Door Bell Switch

Surface Mounted Door Bell with LED Indicator (Grey) IP44		A3031WBP_GY	821
Surface Mounted Door Bell with LED Indicator (White) IP44		A3031WBP_WE	767

** NON STOCKABLE



- Mechanical switch with touch and feel of electronic switch with patented impress mechanism
- Soft radiant blue/amber backlight for switches
- A unique range of changeable face plates including crystal glass

Description	Colour	Reference	Unit MRP [€]
1 Gang 250V 16AX, 1 Way Switch module, Blue LED	Module	U201SPM/1>B00-OS	3620
1 Gang 250V 16AX, 2 Way Switch module, Blue LED	Module	U201SPM/2>B00-OS	3920
1 Gang Push-Push Switch Cover Plate	Brushed Silver	UC21SW/P>XBS-OS	1080
1 Gang Push-Push Switch Cover Plate	Champagne Gold	UC21SW/P>XCG-OS	1080
1 Gang Push-Push Switch Cover Plate	Crystal Glass	UC21SW/P>XGL-OS	4675
1 Gang Push-Push Switch Cover Plate	Pearl White	UC21SW/P>XPW-OS	1080
2 Gang 250V 16AX, 1 Way Switch module, Blue LED	Module	U202SPM/1>B00-OS	4825
2 Gang 250V 16AX, 2 Way Switch module, Blue LED	Module	U202SPM/2>B00-OS	5425
2 Gang Push-Push Switch Cover Plate	Brushed Silver	UC22SW/P>XBS-OS	1545
2 Gang Push-Push Switch Cover Plate	Champagne Gold	UC22SW/P>XCG-OS	1545
2 Gang Push-Push Switch Cover Plate	Crystal Glass	UC22SW/P>XGL-OS	5350
2 Gang Push-Push Switch Cover Plate	Pearl White	UC22SW/P>XPW-OS	1545
4 Gang 250V 16AX, 1 Way Switch module, Blue LED	Module	U204SPM/1>B00-OS	8290
4 Gang 250V 16AX, 2 Way Switch module, Blue LED	Module	U204SPM/2>B00-OS	9345
4 Gang Push-Push Switch Cover Plate	Brushed Silver	UC24SW/P>XBS-OS	2460
4 Gang Push-Push Switch Cover Plate	Champagne Gold	UC24SW/P>XCG-OS	2460
4 Gang Push-Push Switch Cover Plate	Crystal Glass	UC24SW/P>XGL-OS	6485
4 Gang Push-Push Switch Cover Plate	Pearl White	UC24SW/P>XPW-OS	2460
Bell Press Switch, Module with Blue LED	Module	US31BPB00	1845
Bell Press Switch, Cover Plate	Brushed Silver	UC31BPXBBS	1470
Bell Press Switch, Cover Plate	Champagne Gold	UC31BPXCG	1470
Bell Press Switch, Cover Plate	Crystal Glass	UC31BPXGL	4825
Bell Press Switch, Cover Plate	Pearl White	UC31BPXPW	1470
1 Gang 250V 20A Double Pole Switch module, Blue LED	Module	U201SPM/DP>B00-OS	4825
1 Gang Push-Push, DP Switch, Cover Plate	Brushed Silver	UC21DP/P>XBS-OS	1500
1 Gang Push-Push, DP Switch, Cover Plate	Champagne Gold	UC21DP/P>XCG-OS	1500
1 Gang Push-Push, DP Switch, Cover Plate	Crystal Glass	UC21DP/P>XGL-OS	4525
1 Gang Push-Push, DP Switch, Cover Plate	Pearl White	UC21DP/P>XPW-OS	1500
6-16A Switched Socket	Module	US15/616000	4290
6-16A Switched Socket, Cover Plate	Brushed Silver	UC15/616XBS	2305

Description	Colour	Reference	Unit MRP [€]
6-16A Switched Socket, Cover Plate	Champagne Gold	UC15/616XCG	2305
6-16A Switched Socket, Cover Plate	Crystal Glass	UC15/616XGL	6030
6-16A Switched Socket, Cover Plate	Pearl White	UC15/616XPW	2305
6A 2/3 Pin Switched Socket	Module	US15/6U000	3625
6A 2/3 Pin Switched Socket, Cover Plate	Brushed Silver	UC15/6UXBS	1970
6A 2/3 Pin Switched Socket, Cover Plate	Champagne Gold	UC15/6UXCG	1970
6A 2/3 Pin Switched Socket, Cover Plate	Crystal Glass	UC15/6UXGL	5125
6A 2/3 Pin Switched Socket, Cover Plate	Pearl White	UC15/6UXPW	1970
International Socket	Module	US426/16IS000	2190
International Socket Cover Plate	Brushed Silver	UC426/16ISXBS	1540
International Socket Cover Plate	Champagne Gold	UC426/16ISXCG	1540
International Socket Cover Plate	Crystal Glass	UC426/16ISXGL	4375
International Socket Cover Plate	Pearl White	UC426/16ISXPW	1540
Blank Module	Module	US31X000	2115
Blank Module, Cover Plate	Brushed Silver	UC31XXBS	1925
Blank Module, Cover Plate	Champagne Gold	UC31XXCG	1925
Blank Module, Cover Plate	Crystal Glass	UC31XXGL	3930
Blank Module, Cover Plate	Pearl White	UC31XXPW	1925
TV Socket Module	Module	US31TV000	1845
TV Socket, Cover Plate	Brushed Silver	UC31TVXBS	1770
TV Socket, Cover Plate	Champagne Gold	UC31TVXCG	1770
TV Socket, Cover Plate	Crystal Glass	UC31TVXGL	5880
TV Socket, Cover Plate	Pearl White	UC31TVXPW	1770
Data Socket Module	Module	UD31RJ000	2305
Data Socket, Cover Plate	Brushed Silver	UDC31RJXBS	1770
Data Socket, Cover Plate	Champagne Gold	UDC31RJXCG	1770
Data Socket, Cover Plate	Crystal Glass	UDC31RJXGL	5875
Data Socket, Cover Plate	Pearl White	UDC31RJXPW	1770
Twin Data Socket Module	Module	UD32TD000	3535
Twin Data Socket, Cover Plate	Brushed Silver	UDC32TDXBS	1770
Twin Data Socket Cover Plate	Champagne Gold	UDC32TDXCG	1770
Twin Data Socket Cover Plate	Crystal Glass	UDC32TDXGL	5955
Twin Data Socket Cover Plate	Pearl White	UDC32TDXPW	1770
Keycard Switch	Champagne Gold	U31EKTHACG	8445
Keycard Switch	Brushed Silver	U31EKTHBBS	8445
Keycard Switch	Crystal Glass	U31EKTHBGL	11130
Keycard Switch	Pearl White	U31EKTHBPW	8445
Shaver Socket	Brushed Silver	US727HXBS	7065
Shaver Socket	Champagne Gold	US727HXCG	7065
Shaver Socket	Crystal Glass	US727HXGL	10395
Shaver Socket	Pearl White	US727HXPW	7065

EzInstall 3 - ULTI ZIGBEE



- 2 wire design, True Retrofit
- Intelligent dimmer with Auto Load Detection feature
- Capability to dim or switch on/off different load types (in case of non dimmable loads connected to dimmer)
- Very high network scalability with Peer to Peer Mesh technology
- Each unit (switch, dimmer) is a repeater – no need for any additional repeater
- Moods created at a touch of a button
- ZigBee protocol is based on the IEEE802.15.4 standard and works on 2.4GHz radio frequency

Description	Catalogue No.	Unit MRP ₹
1 Gang 2000VA Zigbee Switch	U201SRY2KWZB	17595
1 Gang Switch Coverplate - Brushed Silver	UC21SWXBS	1370
1 Gang Switch Coverplate - Pearl White	UC21SWXPW	1370
1 Gang Switch Coverplate - Champagne Gold	UC21SWXCG	1370
1 Gang Switch Coverplate - Crystal Glass	UC21SWXGL	6335
2 Gang 2X1000VA Zigbee Switch	U202SRY2KWZB	21085
2 Gang Switch Coverplate - Brushed Silver	UC22SWXBS	2000
2 Gang Switch Coverplate - Pearl White	UC22SWXPW	1905
2 Gang Switch Coverplate - Champagne Gold	UC22SWXCG	2000
2 Gang Switch Coverplate - Crystal Glass	UC22SWXGL	6690
1 Gang 550W Zigbee Dimming Switch	U201DST600ZB	18160
1 Gang Dimmer Coverplate - Brushed Silver	UC21DMXBS	2185
1 Gang Dimmer Coverplate - Pearl White	UC21DMXPW	2185
1 Gang Dimmer Coverplate - Champagne Gold	UC21DMXCG	2185
1 Gang Dimmer Coverplate - Crystal Glass	UC21DMXGL	6620
2 Gang 2X300W Zigbee Dimming Switch	U202DST600ZB	22688
2 Gang Dimmer Coverplate - Brushed Silver	UC22DMXBS	2295
2 Gang Dimmer Coverplate - Pearl White	UC22DMXPW	2295
2 Gang Dimmer Coverplate - Champagne Gold	UC22DMXCG	2185
2 Gang Dimmer Coverplate - Crystal Glass	UC22DMXGL	8310
1 Gang 300VA Zigbee Curtain Control Switch	U201SCN300ZB	21955
1 Gang Curtain Coverplate - Brushed Silver	UC21CNXBS	1970
1 Gang Curtain Coverplate - Pearl White	UC21CNXPW	1970
1 Gang Curtain Coverplate - Champagne Gold	UC21CNXCG	1970

Description	Catalogue No.	Unit MRP ₹
1 Gang Curtain Coverplate - Crystal Glass	UC21CNXGL	5915
2 Gang 2X300VA Zigbee Curtain Control Switch	U202SCN600ZB	25210
2 Gang Curtain Coverplate - Brushed Silver	UC22CNXBS	2185
2 Gang Curtain Coverplate - Pearl White	UC22CNXPW	2185
2 Gang Curtain Coverplate - Champagne Gold	UC22CNXCG	2185
2 Gang Curtain Coverplate - Crystal Glass	UC22CNXGL	8310
500W ZigBee IND PlugAdaptor Dimmer Wh	U104ND500ZB_WE	16740
Zigbee Handheld Remote Controller	U105RHH001ZB	11285
2Key Zigbee Freelocate Switch, Brushed Silver	U102RWMZB_XBS	9340
2Key Zigbee Freelocate Switch, Champagne Gold	U102RWMZB_XCG	9340
2Key Zigbee Freelocate Switch, Crystal Glass	U102RWMZB_XGL	13315
2Key Zigbee Freelocate Switch, Pearl White	U102RWMZB_XPW	9340
6Key Zigbee Freelocate Switch, Brushed Silver	U106RWMZB_XBS	10470
6Key Zigbee Freelocate Switch, Champagne Gold	U106RWMZB_XCG	10470
6Key Zigbee Freelocate Switch, Crystal Glass	U106RWMZB_XGL	15105
6Key Zigbee Freelocate Switch, Pearl White	U106RWMZB_XPW	10470
Zigbee to RS232 Interface	UB3Z5	12190

Zencelo IR Dimmer



Description	Reference	Unit MRP ₹
IR Silent Dimmer without RC (White)	E84752D500	7270
IR Silent Dimmer without RC (SZ)- Silver Bronze	E84752D500SZ	8720
IR Silent Dimmer with IR Remote (White)	E84752D500T	8190
IR Silent Dimmer with IR Remote (SZ)- Silver Bronze	E84752D500TSZ	9830
IR Remote Controller	32E8TXIR	1540



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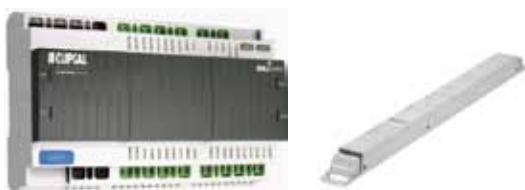


C-BUS Benefits

- Fully topology independent
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- Simple commissioning and installation
- Easy-to-reconfigure distributed intelligent local programming
- High-power and architectural dimming
- Consistent switch and C-Bus product look and feel



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DALI Benefits

- Single-system control of lighting and emergency lights from multiple manufacturers
- Delivers full dimming of ballasts, groups and lines
- Comprehensive monitoring and energy saving at each device level
- Simple wiring, configuration, maintenance and reconfiguration
- Ethernet backbone linking multiple DALI networks into a single system

ULTI ELV



Description	MOQ	Catalogue No.	Unit MRP [₹]
DND/PCU Control Switch	1	US32DMRJ000	On Request
Cover Plate for DND/PCU Switch	50	UC32HDM SXCG	On Request
Cover Plate for DND/PCU Switch	1	UC32HDM SXBS	On Request
Cover Plate for DND/PCU Switch	50	UC32HDM SXGL	On Request
Cover Plate for DND/PCU Switch	1	UC32HDM XPW	On Request
DND/PCU Indicator w/Bell Press (Blue)	1	US33DMRJ B00	On Request
DND/PCU Indicator w/Bell Press (Amber)	1	US33DMRJA00	On Request
Cover Plate for DND/PCU with bell push switch	1	UC33HBPDM XCG	On Request
Cover Plate for DND/PCU with bell push switch	1	UC33HBPDM XBS	On Request
Cover Plate for DND/PCU with bell push switch	1	UC33HBPDM XGL	On Request
Cover Plate for DND/PCU with bell push switch	50	UC33HBPDM XPW	On Request
Cardkey Switch (Low Voltage)	15	U31EKTHLVB PW	On Request
Cardkey Switch (Low Voltage)	15	U31EKTHLVACG	On Request
Cardkey Switch (Low Voltage)	15	U31EKTHLVBGL	On Request
Cardkey Switch (Low Voltage)	15	U31EKTHLVBBS	On Request
1 Gang ELV Switch (Amber)	30	U201SPM_RJ_A00	On Request
1 Gang ELV Switch (Blue)	1	U201SPM_RJ_B00	On Request
Coverplate for 1 Gang ELV switch	1	UC21SWXCG	On Request
Coverplate for 1 Gang ELV switch	1	UC21SWXBS	On Request

Description	MOQ	Catalogue No.	Unit MRP [₹]
Coverplate for 1 Gang ELV switch	1	UC21SWXGL	On Request
Coverplate for 1 Gang ELV switch	1	UC21SWXPW	On Request
2 Gang ELV Switch- AMBER	30	U202SPM_RJ_A00	On Request
2 Gang ELV Switch- BLUE	1	U202SPM_RJ_B00	On Request
Coverplate for 2 Gang ELV switch	1	UC22SWXCG	On Request
Coverplate for 2 Gang ELV switch	1	UC22SWXBS	On Request
Coverplate for 2 Gang ELV switch	1	UC22SWXGL	On Request
Coverplate for 2 Gang ELV switch	1	UC22SWXPW	On Request
4 Gang ELV Switch- AMBER	30	U204SPM_RJ_A00	On Request
4 Gang ELV Switch- BLUE	1	U204SPM_RJ_B00	On Request
Coverplate for 4 Gang ELV switch	50	UC24SW_XCG	On Request
Coverplate for 4 Gang ELV switch	50	UC24SW_XBS	On Request
Coverplate for 4 Gang ELV switch	50	UC24SW_XGL	On Request
Coverplate for 4 Gang ELV switch	50	UC24SW_XPW	On Request

Colours Available (suffix as in coverplates above)

BS	Brushed Silver
PW	Pearl White
CG	Champagne Gold
GL	Crustal Glass

Neo ELV



Description	MOQ	Catalogue No.	Unit MRP [₹]
1 gang ELV switch with Amber LED	1	E3031LV>EAGS-OS	On Request
2 gang ELV switch with Amber LED	1	E3032LV>EAGS-OS	On Request
3 gang ELV switch with Amber LED	1	E3033LVEAGS	On Request
1 Gang Curtain Switch without LED	1	E3031CLV>GS-OS	On Request
2 Gang Curtain Switch without LED	1	E3032CLV>EAGS-OS	On Request
1 gang Dimmer Module with Amber LED	1	E3031DLV_EAGS	On Request
2 gang Dimmer Module with Amber LED	1	E3032DLV_EAGS	On Request
Bell Push with DND and MMR Indicator	1	E3031DMBLVEGGS	On Request
Bell Push with DND, MMR and Butler indicator	60	E3031DMBWLVEGGS	On Request
DND/MMR Control switch	1	E3032DMLV>EAGS-OS	On Request
DND, MMR and Butler Control switch	1	E3033DMBLVEAGS	On Request
Key card switch with Amber LED	60	E3031EKTHLVEAGS	On Request

Zencelo ELV



Description	MOQ	Catalogue No.	Unit MRP [₹]
1 Gang Sw W/ LED Indicator	1	E8431LV	On Request
1 Gang Sw W/ LED Indicator, SZ	1	E8431LVSZ	On Request
2 Gang Sw W/ LED Indicator	1	E8432LV	On Request
2 Gang Sw W/ LED Indicator, SZ	1	E8432LV_SZ	On Request
3 Gang Sw W/ LED Indicator	1	E8433LV	On Request
3 Gang Sw W/ LED Indicator, SZ	1	E8433LVSZ	On Request
2 Gang Curtain Sw Open/Close	1	E8432CLV	On Request
2 Gang Curtain Sw Open/Close, SZ	1	E8432CLV_SZ	On Request
Elv Keycard Switch	50	E8431EKTLV	On Request
Elv Keycard Switch, SZ	50	E8431EKTLV_SZ	On Request
1 Gang Sw W/ DND	1	E8431DSL	On Request
1 Gang Sw W/ DND, SZ	1	E8431DSL_SZ	On Request
2 Gang Sw W/ DND & PCU	1	E8432DMSLV	On Request
2 Gang Sw W/ DND & PCU, SZ	1	E8432DMSLV_SZ	On Request
Bell Press W/ DND & PCU Indicator	1	E8431BDMLV	On Request
Bell Press W/ DND & PCU Indicator, SZ	1	E8431BDMLV_SZ	On Request
3 Gang Curtain Sw Open/Half/Close	1	E8433CLV	On Request
3 Gang Curtain Sw Open/Half/Close	1	E8433CLV_SZ	On Request

Colours Available (suffix as above)

SZ Silver Bronze

No suffix after LV White Colour

RLG (UIO), Bedside Panel and Accesories

Description	MOQ	Catalogue No.	Unit MRP [₹]
Room Logic Gateway.	1	UB3	On Request
RS485 COMM Board (MCU Card)	1	U20NRUD300000	On Request
UIO Relay Board	1	UAX008	On Request
Firmware download cable	1	UAX-015	On Request
Power Supply For RLG	1	E5400P12/1500BS	On Request
UIO- CBUS Sim Card	1	5000SM/2-HUIO	On Request

Note:

- All Hotel Series items are non stockable and lead time is around 10-14 weeks.
- Customised bedside panels will have a MOQ. Pls speak with the product manager in your region for details.
- For Bedside panel, pl take additional items like MCU card and power supply.
- For room logic gateway, power supply is required separately.

Occupancy Sensors



Description	Reference	Unit MRP [₹]
Indoor presence detection with 360 degrees angle of detection 2 relays (for light and other for HVAC), range of 7 mtrs @ 2.5m	MTN550590	8340
Presence detection system with 360 degrees angle of detection with sensor head, power unit and cable, 2 relays, range of 4 mtrs @ 2.5m	MTN550499	11170
Sensor head with prefabricated cable for extending the presence detection system MTN550499	MTN550419	8465
Argus 300 Electronic outdoor movement detector, max. range 16 m with IP55 protection	MTN564319	11660
Argus 360 Electronic movement detector for outdoor ceiling mounting max. range 16 m, IP55 protection	MTN564419	12885
Argus 110 Electronic outdoor movement detector, angle of detection 110 degrees, max. range 12 mtrs, IP55 protection	MTN565119	5645
Argus 220 Electronic movement detector for outdoor ceiling mounting angle of detection 220 degrees, max. range 12 mtrs, IP55 protection	MTN565219	8465
Accessories		
Surface mounted housing for sensor MTN550590	MTN550619	725
Mounting bracket for Argus 110 and Argus 220 Sensors	MTN565291	710
Extension for Argus 300 Sensor	MTN554399	1190

Smoke Sensors



Description	Reference	Unit MRP [₹]
Argus Smoke Detector Basic	MTN547020	4615
Argus Smoke Detector Basic Long Life	MTN547120	6460
Argus Smoke Detector 230 V	MTN547520	8000

PIR and Ultrasonic Sensors /Surface Mount Sensors



Description	Reference	Unit MRP
Surface Mount Single-Load 360 degrees PIR	CSS54E_WE	2860
Flush/Surface Mount Single-Load 360 degrees PIR	SAE-UE-MS-CSAWE	3500
Flush Mount Dual load 360 degrees standalone sensor	SAE-UE-MS-CDBWE	6777
Flush/Surface Mount Single - Load 360 degrees, PIR and Ultrasonic Motion sensor	SAE-UE-MS-CU-WE	15400
Flush/Surface Mount Dual Load 360° PIR, 0-10V Analog Dimmable Sensor with remote	SAE-UE-MS-CDD-WE	8800
Remote for PIR and Ultrasonic Motion sensor	SAE-UE-MS-IR10T	1701
Remote for standalone PIR sensor	SAE-UE-MS-1R-WE	2150

Wall Mount Sensors



Description	Reference	Unit MRP
Neo C-Metro 200 degrees wall mount sensor, grey colour	E3751MS3C_GS	3938
Neo C-Metro 90 degrees wall mount sensor, grey colour	E3751MS3A_GS	
Zencelo 110 degrees wall mount sensor, white colour	E84751MS3B_WE	3646
Zencelo 90 degrees wall mount sensor, white colour	E84751MS3A_WE	

Time Switches



- 7D, 24H Programmable switch .Voltage Rating: 230V AC +10%, -15%
- Consumption: 1 channel - max. 4VA; 2 channels - max. 7VA
- Memory: Upto 56 Switching Operations
- Back up of program & time by lithium battery: Operating reserve: 6 Years
- Overall dimensions: 5 modules
- Cable length: 100m
- Minimum time between two switching operations: 1 min

Description	Module Width 18mm/module	Reference	Unit MRP [₹]
IHP - intuitive switch - 1 channel - 7D 24 H	2.5	CCT15720	8685
IHP Plus - intuitive switch - 1 channel - 7D 24 H, pulse programming	2.5	CCT15721	10055
IHP - intuitive switch - 2 channels - 7D 24 H	2.5	CCT15722	10510
IHP+ - intuitive switch - 2 channels - 7D 24 H, pulse programming	2.5	CCT15723	12210

Timers



- Switching capacity 16 A, max
- Delay range from 30 sec to 20 min
- Capacity for lighted pushbutton 150 mA
- Electric distribution busbar compatibility
- Output power capacity CCT15232-2300W
- Output power capacity CCT15223-3600W

Description	Module Width 18mm/module	Reference	Unit MRP [₹]
MINs - electronic timer - 0.5 to 20 min	1	CCT15232	4535
MINs - electronic timer - 0.5 to 20 min with switch Off Warning	1	CCT15233	7345
MINs - electronic timer - 0.5 to 20 min with switch Off Warning and Impulse relay function	1	CCT15234	7400

Light sensitive switch



- Includes wall mounted cell
- Adjustable brightness threshold 2 to 2000 Lux
- 2 LEDs to signal the sensor status and the output status
- Test button: To check the product and load cabling
- Switching capacity: 16Amp
- Screwless Terminals compatible with rigid and flexible wires
- Consumption 6 VA
- Size 45mm

Description	Module Width 18mm/module	Reference	Unit MRP [₹]
IC 2000 - light sensitive switch - 2...2000 lux - with wall-mounted cell	2.5	CCT15368	10460
Wall-mounted cell for IC2000 light sensitive switch		CCT15268	3135
IC 200 - light sensitive switch - 2...200 lux - with wall-mounted cell	2.5	CCT15284	7345
Switchboard cell for IC200 light sensitive switch		15281	2530
IC Astro (Astronomical Time Switches)	2.5	CCT15223	16200

Time Switches (Analog)



Description	Module Width 18mm/module	Reference	Unit MRP [₹]
IH 24H 16 A 15 mts interval 1 channel	1	15336	3790
IH 24H 16 A 30 mts interval 1 channel	1	CCT15365	4250
IH 24H + 7 day 10 A 1 channel- Max 16 On, 16 Off and 7 On + 7 Off cycles	3	15366	6355
IH 7 day 16 A 1 channel- Max 21 On and 21 Off cycles	3	CCT15367	6210
ITM4C6E - multifunctional switch - 4 channels (7 days + dated days)	5	15270	13070
IH 24H 16 A 30 mts 1 channel without reserve	3	CCT16364	3435

Xightor Pro NEW Video Door Entry System

Control Systems



Description	Reference	Unit MRP [₹]
7" VDE Touch screen frame, Matt bronze	VDETC07_MB	On Request
7" VDE Touch screen frame, Matt silver	VDETC07_MS	On Request
7" VDE Touch screen frame, White	VDETC07_WE	On Request
Single phase regulated switch mode power supply - 24W/12V/2A	ABL8MEM12020	On Request
IP Outdoor door camera	VDEDC_SS	On Request
IP Outdoor lobby phone with LCD screen, stainless steel	VDELP1_AL	On Request
IP Outdoor lobby phone without LCD screen, stainless steel	VDELP2_SS	On Request
7" IP Video Door entry touch screen universal base module, including LCD touch screen-electronics, mounting parts	VDETS07	On Request
Guardphone Software	VDE_AMS	On Request
Server and Management Software	VDE_SERVER	On Request

Note: Place three USPs proportionately on either side



Easy to be in-style

- IP Video Door Entry System cum Home Automation 7 inch touch screen
- Same design excellence with award-winning ZENcelo, full-flat switch, adding a stylish touch to the interior decor of homes
- Also available color tone reference with awarding winning design of NEO & UITi input unit when used with C-Bus or EZInstall3 respectively

Easy to Expand

- With RS232 interface, Xightor Pro is able to integrate with C-Bus and ULTI EZInstall3 for touch screen control
- Xightor Pro can be connected to occupancy sensor or intrusion alarm, alarm log will be sent to lobby guard when it is triggered to enhanced home security.
- The entire system support up to 20,000 IP devices, allowing Xightor Pro to be deployed across expansive residential property developments and flexibility for any future upgrades

Easy to Use

- Intuitive graphic user interface, easy to learn and easy to use for the occupants
- Xightor Pro allow user to monitor lobby situation and take photo automatically for any unanswered caller
- Occupants can personalize their door phone ringtone and screen saver to reflect personal taste and style

Easy to Install

- Seamless wall installation with standard 2 module modular wall box.
- IP-based connection not only provide faster and more stable video and audio signal, but also reducing wiring costs and time
- Plug-and play connectivity makes the system installable by almost anyone using Phoenix connectors



Description	Reference	Unit LP [M]
Actassi Copper Cable		
CAT 5E 4pr UTP Cable 305m Grey, CM	ACT4P5EUCM3RBY	On Request
CAT 6 4pr UTP Cable 305m Blue, CM	ACT4P6UCM3RBBU	On Request
Actassi Copper Connectivity		
CAT 5E Patch Cord UTP 1M CM, Blue	ACTPC5EUBCM10BU	196
CAT 5E Patch Cord UTP 1M CM, Green	ACTPC5EUBCM10GR	196
CAT 5E Patch Cord UTP 1M CM, Grey	ACTPC5EUBCM10GY	196
CAT 5E Patch Cord UTP 1M CM, Red	ACTPC5EUBCM10RD	196
CAT 5E Patch Cord UTP 2M CM, Blue	ACTPC5EUBCM20BU	258
CAT 5E Patch Cord UTP 2M CM, Green	ACTPC5EUBCM20GR	258
CAT 5E Patch Cord UTP 2M CM, Grey	ACTPC5EUBCM20GY	258
CAT 5E Patch Cord UTP 2M CM, Red	ACTPC5EUBCM20RD	258
CAT 6 Patch Cord UTP 1M CM, Blue	ACTPC6UBCM10BU	274
CAT 6 Patch Cord UTP 1M CM, Green	ACTPC6UBCM10GR	274
CAT 6 Patch Cord UTP 1M CM, Grey	ACTPC6UBCM10GY	274
CAT 6 Patch Cord UTP 1M CM, Red	ACTPC6UBCM10RD	274
CAT 6 Patch Cord UTP 2M CM, Blue	ACTPC6UBCM20BU	355
CAT 6 Patch Cord UTP 2M CM, Red	ACTPC6UBCM20RD	355
CAT 5E UTP 24p Non-Shutter Patch Panel	ACTPP5EU24NSS	4572
CAT 6 UTP 24p Non-Shutter Patch Panel	ACTPP6U24NSS	7500
Socket RJ45 CAT 5 Shuttered Keystone Blue	VDIB17745UBU	371
Socket RJ45 CAT 5 Shuttered Keystone Red	VDIB17745URD	371
Socket RJ45 CAT 6 Shuttered Keystone Blue	VDIB17746UBU	350
Socket RJ45 CAT 6 Shuttered Keystone Red	VDIB17746URD	350
Socket RJ45 CAT 6 Keystone Green	VDIB17766UGR	247
Socket RJ45 CAT 6 Keystone Red	VDIB17766URD	247
EPIC/ MAP		
Wallmount **for false wall (gypsum / hollow / partition / plaster)** come with rear entry knockout wall box		
Standard MAP panel base unit (False Wall) Silver Bronze) RCA/DB15/MiniAudi	E84MAP9_SZ	6733
Standard MAP panel base unit (False Wall) RCA/DB15/MiniAudi	E84MAP9	6733
Standard MAP panel base unit (False Wall) Coarse Titanium) RCA/DB15/MiniAudi	E84MAP9_CT	6733
MAP panel base unit with HDMI/USB (False Wall) Silver Bronze RCA/DB15/MiniAudi/HDMI/USB	E84MAPHU9_SZ	7973
MAP panel base unit with HDMI/USB (False Wall) RCA/DB15/MiniAudi/HDMI/USB	E84MAPHU9	7973
MAP panel base unit with HDMI/USB (False Wall) Coarse Titanium) RCA/DB15/MiniAudi/HDMI/USB	E84MAPHU9_CT	7973
Wallmount **for solid wall (concrete)** come with solid back wall box		
Standard MAP panel base unit (Solid Wall) Silver Bronze	E84MAPS_SZ	6733
Standard MAP panel base unit (Solid Wall)	E84MAPS	6733
Standard MAP panel base unit (Solid Wall) Coarse Titanium	E84MAPS_CT	6733
MAP panel base unit with HDMI/USB (Solid Wall) Silver Bronze	E84MAPHUS_SZ	7973
MAP panel base unit with HDMI/USB (Solid Wall)	E84MAPHUS	7973
MAP panel base unit with HDMI/USB (Solid Wall) Coarse Titanium	E84MAPHUS_CT	7973
Power Socket module		
13A 1 Gang Switched Socket (no surround) Silver Bronze	E8415G_SZ	851
13A 1 Gang Switched Socket (no surround)	E8415G	851
13A 1 Gang Switched Socket (no surround) Coarse Titanium	E8415G_CT	851
International Power Socket (no surround) Silver Bronze	E84426/16ISG_SZ	949
International Power Socket (no surround)	E84426/16ISG	949
International Power Socket (no surround) Coarse Titanium	E84426/16ISG_CT	949
Accessories		
Self-adhesive spacer for MAP panel (2pcs/pack) Silver Bronze	E8406_SZ	105
Self-adhesive spacer for MAP panel (2pcs/pack)	E8406	105
Self-adhesive spacer for MAP panel (2pcs/pack) Coarse Titanium	E8406_CT	105

Make the most of your energySM

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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

 Price List

Low Voltage Distribution Products

With effect from December 19, 2014



Schneider
 Electric

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Introducing...

Smart Solution to your Network, Asset and Energy Management needs

Simple-to-install **Smart Panels** powered by Enerlin'X communication system



Measure

Connect

Save



Network management

- > Real time network monitoring
- > Real time load calibration
- > Fault location, isolation & system restoration - High uptime
- > Notification of unplanned events

Asset management

- > Condition based monitoring
- > Predictive maintenance
- > Use optimization - Increased asset life

Smart Panels connect you to real savings



> To discover more connect on www.schneider-electric.com/smart-panel/in



1 MEASURE

'Smart Panels' mean visible information

Grouping and measuring most of the electrical protection, command and metering components, the switchboards are now significant sources of data locally displayed and sent via communication networks.

2 CONNECT

... and ready to be linked to expertise

Smart Panels use reliable, simple to install and use displays, and, Ethernet and Modbus interfaces on the Enerlin'X communication system.

Information is safely transmitted through most efficient networks:

- Modbus SL inside switchboards, between components
- Ethernet, on cable or WiFi, inside the building and connecting switchboards to computers
- Ethernet on DSL or GPRS, for access to on-line services by Schneider Electric

Energy experts, wherever they are, are now able to provide advises based on permanently updated data of the building.

3 SAVE



On-site real time monitoring and control

On a touch screen display connected to Ethernet

- Shows essential electrical information and alarms concerning the electrical network,
- Allows control (open, close, reset...) of various equipments

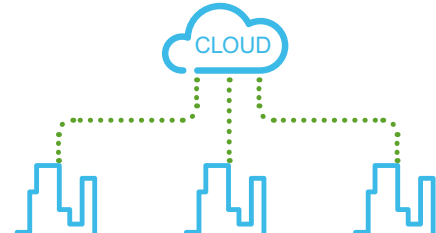
This touch screen is well appreciated for real time value checking and control, directly on the front panel of the main switchboard

On a PC display with common browser

- Shows monitoring web pages hosted into the local Ethernet interfaces
- Alarm events generate automatic email notifications
- Allows control (open, close, reset...) of various equipments

Data displayed on graphics or recorded into files are of a great interest for optimizing the use of energy in the building.

As an example, they definitely help validating the change of temperature settings, time scheduling in a Building Management System or other automated devices.



On-line Energy Management services

StruXureWare Energy Operation automates data collection via an open, scalable, and secure energy management information system.

With the help of the Schneider Electric energy management services team, data is then turned into actionable information to enable customers to understand their facilities' performance on an ongoing basis.

Energy Operation leverages companies' current investments in their existing systems, and can be used to communicate advanced results and performance to a broad audience for a shared understanding throughout the organization.

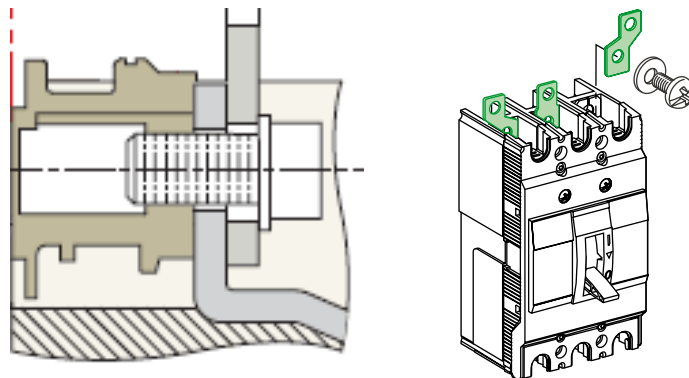
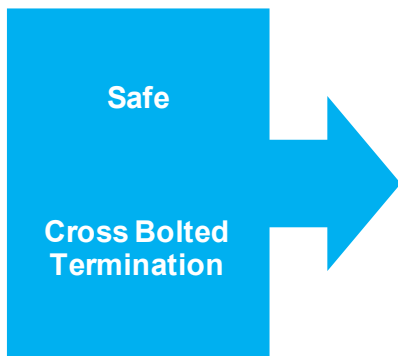
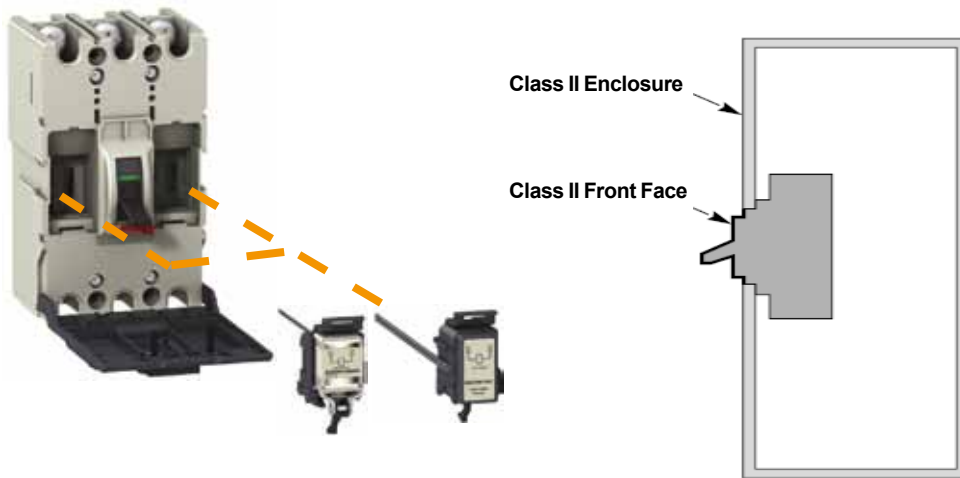
Cloud based energy computing can also help analyze performance of multi site locations and optimize energy consumption.

EasyPact EZC

Safe, Reliable and Easy

- Schneider Electric Global MCCBs offer from 15A to 630A
- Breaking capacity up to 50kA
- 1P, 2P, 3P and 4P versions are available.
- Cross Bolted termination starts from 15A make installation more safe
- Isolation feature ensure operator safety
- Class II Front face as per IEC 61140
- Compliance to RoHS (Restriction of Hazardous Substances)

- **Safety of operator and electrical installation is utmost priority**
- **Wide range of accessories with easy and safe installation**
 - Auxiliary switch
 - Alarm switch
 - Combined auxiliary & alarm switch
 - Shunt trip coil



With Thermal Magnetic Trip Unit (TMD)



- Conforms to IEC60947-2
- Suitable for isolation
- Suitable for EasyPact Busbar system

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
30 kA	15A	EZC100H3015 <input checked="" type="checkbox"/>	4340	EZC100H4015	6020
	20A	EZC100H3020 <input checked="" type="checkbox"/>		EZC100H4020	
	25A	EZC100H3025 <input checked="" type="checkbox"/>		EZC100H4025	
	32A	EZC100H3032 <input checked="" type="checkbox"/>		EZC100H4032	
	40A	EZC100H3040 <input checked="" type="checkbox"/>		EZC100H4040	
	50A	EZC100H3050 <input checked="" type="checkbox"/>		EZC100H4050	
	63A	EZC100H3063 <input checked="" type="checkbox"/>		EZC100H4063 <input checked="" type="checkbox"/>	
	80A	EZC100H3080 <input checked="" type="checkbox"/>		EZC100H4080	
	100A	EZC100H3100 <input checked="" type="checkbox"/>		EZC100H4100 <input checked="" type="checkbox"/>	
36kA	125A	EZC250H3125	6940	EZC250H4125	9360
	160A	EZC250H3160	8670	EZC250H4160	11710
	200A	EZC250H3200	10760	EZC250H4200	14520
	250A	EZC250H3250	12750	EZC250H4250	17220

Note:

- Contact nearest sales office for 1P(up to 100A) and 2P (up to 250A) requirements
- 400A and 630A on request

Description	EZC100 Reference	Unit MRP [₹]	EZC250 Reference	Unit MRP [₹]
Auxiliary Contacts (Changeover) Multifunction				
Auxiliary Switch 1 C/O	EZAUX10 <input checked="" type="checkbox"/>	760	EZEAX <input checked="" type="checkbox"/>	920
Alarm Switch 1 C/O	EZAUX01		EZEAL <input checked="" type="checkbox"/>	
Alarm - Auxiliary Switch	EZAUX11 <input checked="" type="checkbox"/>	1090	EZEAXAL	1300
Spreaders				
Spreaders *(Set Of 3) 3P	EZASPDR3P <input checked="" type="checkbox"/>	310	EZESPDR3P <input checked="" type="checkbox"/>	460
Spreaders *(Set Of 4) 4P	EZASPDR4P <input checked="" type="checkbox"/>	410	EZESPDR4P	600
Phase Barriers				
	EZAFASB2	190	EZEFASB2	270
Rotary Handle				
Direct Rotary handle	EZAROTDS <input checked="" type="checkbox"/>	1030	EZEROTDS	1300
Extended Rotary handle	EZAROTE	1630	EZEROTE	1630
Shunt Release				
AC				
100-130 V	EZASHT100AC	1630	EZESHT100AC	1630
200-277 V	EZASHT200AC <input checked="" type="checkbox"/>		EZESHT200AC <input checked="" type="checkbox"/>	
380-480 V	EZASHT380AC		EZESHT400AC	
DC				
24 V	EZASHT024DC	1630	EZESHT024DC	1630
48 V	EZASHT048DC		EZESHT048DC	

EasyPact Range Busbar Systems



- Available for 250A, 400A & 630A main incoming current
- Available for 4,6,8 & 12 ways (3-pole) EasyPact 100A (max) outgoing MCCBs
- EZ Busbar rated 400A and 630A can accept the 2 ways or 4 ways branch extension for upto four additional 250A max outgoing circuits

[In] Rated Current	Description	Reference	Unit MRP [₹]
250 A	EZ busbar 250A 4ways	EZB250W04	8140
	EZ busbar 250A 6ways	EZB250W06	10300
	EZ busbar 250A 8ways	EZB250W08	12460
	EZ busbar 250A 10ways	EZB250W10	14630
	EZ busbar 250A 12ways	EZB250W12	16790
400 A	EZ busbar 400A 4ways	EZB400W04	10300
	EZ busbar 400A 6ways	EZB400W06	12460
	EZ busbar 400A 8ways	EZB400W08	14630
	EZ busbar 400A 10ways	EZB400W10	16790
	EZ busbar 400A 12ways	EZB400W12	18950
630 A	EZ busbar 630A 4ways	EZB630W04	12460
	EZ busbar 630A 6ways	EZB630W06	14630
	EZ busbar 630A 8ways	EZB630W08	16790
	EZ busbar 630A 10ways	EZB630W10	18950
	EZ busbar 630A 12ways	EZB630W12	21120

Branch Extension for Compact NSX/EasyPact CVS

[In] Rated Current	Description	Reference	Unit MRP [₹]
250 A	2 Way Branch Extension	EZBNS2	9170
	4 Way Branch Extension	EZBNS4	10300

EasyPact NKS AC MCCB

Moulded Case Circuit Breakers for Distribution Network

Fixed Thermal Magnetic Trip Unit (TMD)

- Conforms to IEC60947-2
- Suitable for isolation

Breaking Capacity Icu as per IEC60947-2	Rated Current	Reference	Unit MRP [₹]
10kA	15	NKS100R015AC3P	1630
	20	NKS100R020AC3P	1630
	25	NKS100R025AC3P	1630
	32	NKS100R032AC3P	1630
	40	NKS100R040AC3P	1630
	50	NKS100R050AC3P	1630
	63	NKS100R063AC3P	1630
	75	NKS100R075AC3P	1630
	100	NKS100R100AC3P	1630
	110	NKS160R110AC3P	3710
	125	NKS160R125AC3P	3710
	140	NKS160R140AC3P	3910
	150	NKS160R150AC3P	3910
	160	NKS160R160AC3P	3910
	175	NKS200R175AC3P	5150
	200	NKS200R200AC3P	5150

Description	EasyPact NKS100	Unit MRP [₹]	EasyPact NKS 125A to 200	Unit MRP [₹]
Auxiliary contacts (changeover) Multifunction				
Auxiliary Switch 1 C/O	EZAUX10	760	AX1CT1L	740
Alarm Switch 1 C/O	EZAUX01	760	AL1CT1NR	790
Alarm - Auxiliary Switch	EZAUX11	1090		
Spreaders				
Spreaders *(Set Of 3) 3P	EZASPDR3P	310	NKSP13	260
Phase Barriers				
	EZAFASB2	190	-	-
Rotary Handle				
Direct Rotary handle	EZAROTDS	1030	NRHOMT1	880
Extended Rotary handle	EZAROTE	1630	NDHOMT1	1080
Shunt Release				
AC				
100-130 V	EZASHT100AC	1630	SHT110ACT1L	670
200-277 V	EZASHT200AC	1630	SHT240ACT1L	670
380-480 V	EZASHT380AC	1630	SHT415ACT1L	670
440 V			SHT440ACT1L	640
DC				
24 V	EZASHT024DC	1630	SHT24DCT1L	670
48 V	EZASHT024DC	1630	SHT48DCT1L	670
110 V	-	-	SHT110DCT1L	670
220 V	-	-	SHT220DCT1L	670
Under Voltage Release				
AC				
UVR 200-240VAC	On Request		UVT110ACT1	1240
220 V	-	-	UVT220/240ACT1	1240
415 V	-	-	UVT415ACT1	1240

Simpact NKS DC

• Fixed Thermal Magnetic Settings

Breaking Capacity Icu as per IEC 60947-2	Rated Current	One Pole Reference	Unit MRP [₹]
5 kA 125VDC L/R = 10ms	10A	NKS100R010DC1P	1410
	15A	NKS100R015DC1P	
	20A	NKS100R020DC1P	
	30A	NKS100R030DC1P	
	40A	NKS100R040DC1P	
	50A	NKS100R050DC1P	
	60A	NKS100R060DC1P	
	75A	NKS100R075DC1P	
	100A	NKS100R100DC1P	

• Fixed Thermal Magnetic Settings

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Two Pole Reference*	Unit MRP [₹]	Three Pole Reference	Unit MRP [₹]
10 kA 250VDC L/R = 10ms	10A	NKS100R010DC2P	4230	NKS100R010DC3P	4790
	15A	NKS100R015DC2P		NKS100R015DC3P	
	20A	NKS100R020DC2P		NKS100R020DC3P	
	25A	NKS100R025DC2P		NKS100R025DC3P	
	30A	NKS100R030DC2P		NKS100R030DC3P	
	40A	NKS100R040DC2P		NKS100R040DC3P	
	50A	NKS100R050DC2P		NKS100R050DC3P	
	60A	NKS100R060DC2P		NKS100R060DC3P	
	75A	NKS100R075DC2P	NKS100R075DC3P		
	100A	NKS100R100DC2P	NKS100R100DC3P		
	110A	NKS160R110DC2P	7910	NKS160R110DC3P	8670
	125A	NKS160R125DC2P		NKS160R125DC3P	
	140A	NKS160R140DC2P		NKS160R140DC3P	
	150A	NKS160R150DC2P		NKS160R150DC3P	
	160A	NKS160R160DC2P	8160	NKS160R160DC3P	9380
	175A	NKS200R175DC2P		NKS200R175DC3P	
	200A	NKS200R200DC2P	NKS200R200DC3P		

Note: *2 Pole MCCB shall be in 3P dimensions.

Spreaders are supplied as standard only with NKS200R for lower ratings consider spreader prices extra

Simpact NKS DC Accessories

Voltage	Reference	Unit MRP [₹]
Shunt Release		
AC		
100-130 V	SHT110ACT1L	670
240 V	SHT240ACT1L	
415 V	SHT415ACT1L	
440 V	SHT440ACT1L	
DC		
24 V	SHT24DCT1L	670
48 V	SHT48DCT1L	
110 V	SHT110DCT1L	
220 V	SHT220DCT1L	
Under Voltage Release		
AC		
110 V	UVT110ACT1	1240
220 V	UVT220/240ACT1 <input checked="" type="checkbox"/>	
415 V	UVT415ACT1	

Description	Reference	Unit MRP [₹]
Auxiliary contacts (changeover)		
Auxiliary Switch 1 C/O	AX1CT1L	740
Alarm Switch 1 C/O	AL1CT1NR	790
rotary handles		
Standard direct black handle	NRHOMT1	880
Standard extended rotary handle	NDHOMT1	1080
Spreaders		
Spreaders (Set of 3) 3P	NKSP13 <input checked="" type="checkbox"/>	260

Note:

- EasyPact CVS can also be used for DC network protection (from 16-630A TMD)
- For performance and other details contact our nearest Sales Office.

EasyPact CVS

Easy Choice for Quality and Value

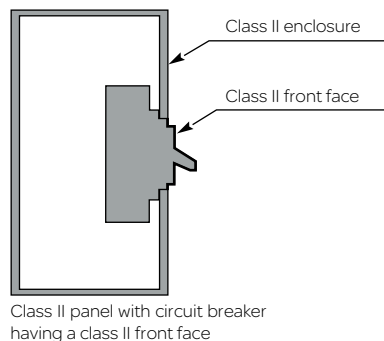
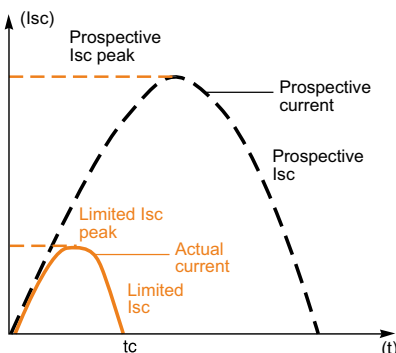


- Breaking capacity 25kA to 50kA
- 16A -800A 3P & 4P TMD & Microprocessor trip units.
- Isolation with positive break indication
- Class II Front Face
- Best in class current limiting performance (Low Let through Energy)
- Highest electrical endurance in its class
- Best in class contact resistance which help to achieve energy efficiency objectives

EasyPact CVS MCCBs most advance technology enhances the service life of Electrical installation (Cables /Bus Bars /Loads)



- **Current limiting** circuit breakers greatly reduce the negative effect of short circuit on installation , which reduce Thermal , Mechanical and Electromagnetic effect on entire electrical distribution network (Cables, Bus Bars , Loads etc.)
- **Class II Front Face** of MCCBs enhances operator & installation safety.
- **High electrical** endurance enhances continuity of services for longer time.
- **Low contact resistance** reduce energy consumptions



The limiting capacity of a circuit breaker is the aptitude to let through a current during a short circuit that is less than the prospective short- circuit current

Applications

- Electrical distribution networks
- Motor Protection starters
- Capacitor feeders Protections

With Thermal Magnetic Trip Unit (TMD)



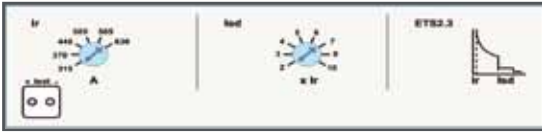
- Ics = 100% Icu as per IEC 60947-2
- Best in class fault current limitation performance (Low let through energy)
- Suitable for Isolation
- Class II Front face
- Single frame size 16-100A, 16-250A

Breaking Capacity as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP ₹	Four Pole Reference	Unit MRP ₹
EasyPact CVS 100 to 630A					
25kA*	16A	LV510930	5360	LV510950	6940
	20A	LV510931	5360	LV510951	6940
	25A	LV510932	5360	LV510952	6940
	32A	LV510933	5360	LV510953	6940
	40A	LV510934	5360	LV510954	6940
	50A	LV510935	5360	LV510955	6940
	63A	LV510936	5360	LV510956	6940
	80A	LV510937	5360	LV510957	6940
	100A	LV510938	5360	LV510958	6940
25kA	16A	LV510300 <input checked="" type="checkbox"/>	6100	LV510310	8800
	25A	LV510301 <input checked="" type="checkbox"/>	6100	LV510311 <input checked="" type="checkbox"/>	8800
	32A	LV510302 <input checked="" type="checkbox"/>	6100	LV510312 <input checked="" type="checkbox"/>	8800
	40A	LV510303 <input checked="" type="checkbox"/>	6100	LV510313 <input checked="" type="checkbox"/>	8800
	50A	LV510304 <input checked="" type="checkbox"/>	6100	LV510314	8800
	63A	LV510305 <input checked="" type="checkbox"/>	6100	LV510315 <input checked="" type="checkbox"/>	8800
	80A	LV510306 <input checked="" type="checkbox"/>	6100	LV510316 <input checked="" type="checkbox"/>	8800
	100A	LV510307 <input checked="" type="checkbox"/>	6100	LV510317 <input checked="" type="checkbox"/>	8800
	125A	LV516302 <input checked="" type="checkbox"/>	9600	LV516312 <input checked="" type="checkbox"/>	11050
	160A	LV516303 <input checked="" type="checkbox"/>	13050	LV516313 <input checked="" type="checkbox"/>	15400
36kA	200A	LV525302 <input checked="" type="checkbox"/>	17700	LV525312	21750
	250A	LV525303 <input checked="" type="checkbox"/>	20450	LV525313	24850
	16A	LV510330 <input checked="" type="checkbox"/>	9200	LV510340	11750
	25A	LV510331 <input checked="" type="checkbox"/>	9200	LV510341	11750
	32A	LV510332 <input checked="" type="checkbox"/>	9200	LV510342 <input checked="" type="checkbox"/>	11750
	40A	LV510333 <input checked="" type="checkbox"/>	9200	LV510343 <input checked="" type="checkbox"/>	11750
	50A	LV510334 <input checked="" type="checkbox"/>	9200	LV510344	11750
	63A	LV510335 <input checked="" type="checkbox"/>	9200	LV510345 <input checked="" type="checkbox"/>	11750
	80A	LV510336 <input checked="" type="checkbox"/>	9200	LV510346	11750
	100A	LV510337 <input checked="" type="checkbox"/>	9200	LV510347 <input checked="" type="checkbox"/>	11750
50kA	125A	LV516332 <input checked="" type="checkbox"/>	10050	LV516342	12450
	160A	LV516333 <input checked="" type="checkbox"/>	13650	LV516343	16100
	200A	LV525332	19780	LV525342 <input checked="" type="checkbox"/>	23250
	250A	LV525333	21630	LV525343 <input checked="" type="checkbox"/>	25400
	320A	LV540305	25950	LV540308 <input checked="" type="checkbox"/>	32950
	400A	LV540306	25950	LV540309 <input checked="" type="checkbox"/>	32950
	500A	LV563305 <input checked="" type="checkbox"/>	30950	LV563308 <input checked="" type="checkbox"/>	38600
	630A**	LV563306 <input checked="" type="checkbox"/>	30950	LV563309 <input checked="" type="checkbox"/>	39000
	16A	LV510470 <input checked="" type="checkbox"/>	11450	LV510480	14500
	25A	LV510471	11450	LV510481	14500
32A	LV510472 <input checked="" type="checkbox"/>	11450	LV510482 <input checked="" type="checkbox"/>	14500	
40A	LV510473	11450	LV510483	14500	
50A	LV510474	11450	LV510484	14500	
63A	LV510475 <input checked="" type="checkbox"/>	11450	LV510485 <input checked="" type="checkbox"/>	14500	
80A	LV510476 <input checked="" type="checkbox"/>	11450	LV510486	14500	
100A	LV510477 <input checked="" type="checkbox"/>	11450	LV510487 <input checked="" type="checkbox"/>	14500	
125A	LV516462 <input checked="" type="checkbox"/>	16250	LV516467	18300	
160A	LV516463 <input checked="" type="checkbox"/>	17000	LV516468	19850	
200A	LV525452	21950	LV525457 <input checked="" type="checkbox"/>	27700	
250A	LV525453	23150	LV525458 <input checked="" type="checkbox"/>	28850	
320A	LV540315 <input checked="" type="checkbox"/>	27800	LV540318	34750	
400A	LV540316 <input checked="" type="checkbox"/>	27800	LV540319 <input checked="" type="checkbox"/>	34750	
500A	LV563315 <input checked="" type="checkbox"/>	32900	LV563318	41500	
630A**	LV563316 <input checked="" type="checkbox"/>	32900	LV563319 <input checked="" type="checkbox"/>	43300	

*Ics=17kA

**630A @ 30°C & 600A @ 40° C for TMD630A MCCB

With Microprocessor Based Trip Unit



- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Adjustable Overload from 0.5 to 1*In
- Adjustable Short Circuit from 2 to 10*I_r
- Adjustable Neutral Protection - N, N/2, OFF for 4 Pole MCCB
- Inbuilt Thermal Memory

Breaking Capacity Ics as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
EasyPact CVS 400 to 630A					
36 kA	400A	LV540505 <input checked="" type="checkbox"/>	30950	LV540506 <input checked="" type="checkbox"/>	36350
	630A	LV563505 <input checked="" type="checkbox"/>	34350	LV563506 <input checked="" type="checkbox"/>	44050
50 kA	400A	LV540510 <input checked="" type="checkbox"/>	32350	LV540511 <input checked="" type="checkbox"/>	41300
	630A	LV563510 <input checked="" type="checkbox"/>	35750	LV563511 <input checked="" type="checkbox"/>	47700

Easypact CVS 800A

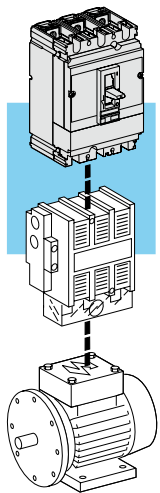


- Ics = 100% Icu as per IEC 60947-2
- TMD type Trip Unit
- Adjustable overload from 0.8 - 1 x In
- Adjustable short circuit for each phase from 3.5 - 10 x Ir

Breaking Capacity Ics as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
36kA	800A	LV580300 <input checked="" type="checkbox"/>	46700	LV580301 <input checked="" type="checkbox"/>	50400
50kA	800A	LV580302 <input checked="" type="checkbox"/>	48950	LV580303 <input checked="" type="checkbox"/>	56700

Moulded Case Circuit Breakers for Motor Protection

Breaking Capacity 50kA, Ics=Icu

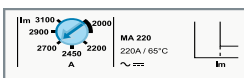


Current Rating		2.5	6.3	12.5	25	50	100	150	220	320	500
Frame 1	CVS 100										
	CVS 160										
	CVS 200										
Frame 2	CVS 400										
	CVS 630										

Short Circuit protection (Magnetic Setting)

Type 2 co-ordination chart available

CVS 100	6..14In										
CVS 160/250											
CVS 400											
CVS 630											



- Frame 1** 2.5 to 220A
- Frame 2** 320 to 500A

With Magnetic Trip Unit MA type

Breaking Capacity Ics as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]
50kA	2.5A	LV510450	7860
	6.3A	LV510451	7860
	12.5A	LV510452 <input checked="" type="checkbox"/>	7860
	25A	LV510453 <input checked="" type="checkbox"/>	10090
	50A	LV510454 <input checked="" type="checkbox"/>	10090
	100A	LV510455 <input checked="" type="checkbox"/>	10090
	150A	LV516451 <input checked="" type="checkbox"/>	13810
	220A	LV525442 <input checked="" type="checkbox"/>	17220
	320A	LV540552 <input checked="" type="checkbox"/>	29520
	500A	LV563552	34430



Indication contacts



Voltage Release



Padlocking accessory



Direct Rotary Handle



Extended Rotary Handle

Accessories from 100 - 630A

Auxiliary Contacts (Changeover) Multifunction

Description	Reference	Unit MRP [₹]
OF or SD or SDE or SDV	29450 <input checked="" type="checkbox"/>	880
OF or SD or SDE or SDV low level	29452	930
SDE adapter for trip unit TM or MA or ETS 2.3 \$\$	LV429451 <input checked="" type="checkbox"/>	670

\$\$: To be considered alongwith SDE contact for MCCB with TMD/ETS 2.3/MA Trip Unit

Voltage Releases

Description	Shunt Release Reference	Unit MRP [₹]	Undervoltage Reference	Unit MRP [₹]
AC				
24 V 50/60 Hz	LV429384 <input checked="" type="checkbox"/>	2160	LV429404	2830
48 V 50/60 Hz	LV429385		LV429405	
110-130 V 50/60 Hz	LV429386 <input checked="" type="checkbox"/>		LV429406 <input checked="" type="checkbox"/>	
220-240 V 50/60 Hz	LV429387 <input checked="" type="checkbox"/>		LV429407 <input checked="" type="checkbox"/>	
380-415 V 50 Hz	LV429388 <input checked="" type="checkbox"/>		LV429408 <input checked="" type="checkbox"/>	
525 V 50 Hz	LV429389		LV429409	
DC				
12 V	LV429382	2160	LV429402	2830
24 V	LV429390 <input checked="" type="checkbox"/>		LV429410 <input checked="" type="checkbox"/>	
30 V	LV429391		LV429411	
48 V	LV429392		LV429412	
60 V	LV429383		LV429403	
125 V	LV429393 <input checked="" type="checkbox"/>		LV429413	
250 V	LV429394 <input checked="" type="checkbox"/>		LV429414 <input checked="" type="checkbox"/>	

Rotary Handles

Description	100/160/250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
Direct rotary handle				
Standard black handle	LV429337 <input checked="" type="checkbox"/>	1130	LV432597 <input checked="" type="checkbox"/>	1700
Extended rotary handle				
Standard extended rotary handle	LV429338 <input checked="" type="checkbox"/>	1800	LV432598 <input checked="" type="checkbox"/>	3240

Installation Accessories

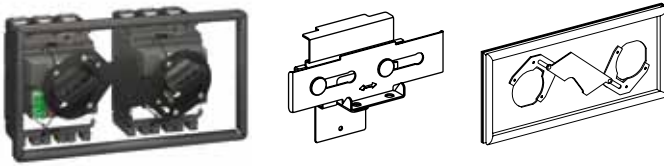
Description	100/160/250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
Spreaders & Phase Barriers				
Spreaders (Set of 3) 3P	LV431563 <input checked="" type="checkbox"/>	670	32492 <input checked="" type="checkbox"/>	1450
Spreaders (Set of 4) 4P	LV431564 <input checked="" type="checkbox"/>	880	32493 <input checked="" type="checkbox"/>	1850
Phase Barriers (Set of 6)	*		LV432570 <input checked="" type="checkbox"/>	720
Interlocking				
For Breaker with Rotary Handle	LV429369	8390	LV432621	10560
For Breaker with Toggle	LV429354	8650	LV432614	10560
Mechanical Interlocking with Base Plate	29349**	16480	32609**	36460
Locking of Rotary Handle				
Locking Device	LV429344 <input checked="" type="checkbox"/>	520	LV432604 <input checked="" type="checkbox"/>	720
Ronis Keylock (1 Lock + 1 Key set)	41940 <input checked="" type="checkbox"/>	3660	41940 <input checked="" type="checkbox"/>	3660
Ronis Keylock (2 Locks + 1 Key set)	41950 <input checked="" type="checkbox"/>	7060	41950 <input checked="" type="checkbox"/>	7060
Profalux Keylock (1 Lock + 1 Key set)	42888	6180	42888	6180
Profalux Keylock (2 Locks + 1 Key set)	42878	7060	42878	7060

* supplied as standard with spreaders

** Mechanical Interlocking with Base Plate to be ordered with Safety trip interlock (LV429270 for 29349 and LV432520 for 32609)

NORMAL STOCK ITEMS

W.E.F. December 19, 2014



Accessories from 100 - 630A

Manual Source change-over systems

- An additional accessory interlocks two devices with rotary handles to create a source changeover system. Closing of one device is possible only if the second is open.
- This function is compatible with direct or extended rotary handles.
- Up to three padlocks can be used to lock in the OFF or ON position.

Description	Reference	Unit MRP [₹]
Mechanical interlocking for circuit breakers		
With toggles	29354	5150
With rotary handles	LV429369	8390

Accessories from 800A

Auxiliary/Alarms contacts

Description	Reference	Unit MRP [₹]
Auxiliary Switch 1 C/O	LV580075	1190
Auxiliary Switch 2 C/O	LV580076	1190
Alarm Switch 1 C/O	LV580077	1080
Alarm Switch 2 C/O	LV580078	1350
Alarm Auxiliary Contact	LV580079	1680

Voltage Releases

Description	Shunt Release Reference	Unit MRP [₹]	Undervoltage Reference	Unit MRP [₹]
AC				
110-130 V 50/60 Hz	LV580060	2280	LV580070	2860
220-240 V 50/60 Hz	LV580061		LV580071	
380-415 V 50 Hz	LV580062		LV580072	
440 V	LV580063	-	-	-
DC				
110 V	LV580066	2280	-	-
220 V	LV580067	-	-	-

Rotary Handles

Description	800A Reference	Unit MRP [₹]
Direct rotary handle		
Standard black handle	LV580080	1300
Extended rotary handle		
Standard extended rotary handle	LV580081 <input checked="" type="checkbox"/>	2000

Unique Modular Ground Fault Protection

Earth Fault Protection for EasyPact CVS/ Compact NSX MCCBs

Modular Device for EasyPact CVS/ Compact NSX Range Moulded Case Circuit Breakers

- Adjustable earth fault sensitivity selection 10 to 60%
- Adjustable time delay Inst/ 0.5 - 3 sec.
- System healthiness check through LED indication
- Individual fault indication for OL/SC, EF when used with Compact NSX & EasyPact CVS (Optional)
- Test facility to check healthiness of earth fault protection system without tripping MCCB
- Suitable for 3P3W & 3P4W electrical distribution network



Protection of electrical distribution network against fire



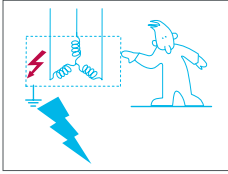
MCCB Frame	Relay Module rated current	3 Ph + 3W Reference	Unit MRP [₹]	3 Ph + 4W Reference	Unit MRP [₹]
CVS/NSX100	32, 40, 50, 63, 80, 100	GFP11CT13P <input checked="" type="checkbox"/>	5090	GFP11CT14P <input checked="" type="checkbox"/>	5570
CVS/NSX 160 / 250	125, 160, 200, 250	GFP12CT23P <input checked="" type="checkbox"/>	5780	GFP12CT24P <input checked="" type="checkbox"/>	6530
CVS/NSX 400 / 630	400, 630	GFP13CT33P <input checked="" type="checkbox"/>	8730	GFP13CT34P <input checked="" type="checkbox"/>	9530
CVS 800	800	GFP14CT43P	10770	GFP14CT44P	12050

Note: Kindly order one no. Shunt trip coil along with one Ground Fault Protection Module for CVS100 to 630. Order one auxiliary contact alongwith shunt coil for CVS800.

Earth Leakage Protection

Earth Leakage Protection is obtained by: Fitting a VIGI Module on the Circuit Breakers

VIGI Module Earth Leakage Device for EasyPact CVS/ Compact NSX Range Moulded Case Circuit Breakers



Protection of people



VIGI Module



CVS + VIGI



NSX + VIGI

- Compliance with Standards - IEC60947-2 appendix B, IEC 60255-4 and IEC60801-2 to 5 covering protection against nuisance tripping due to:
 - Transient overvoltages, lightning strikes
 - Switching of devices on the distribution system
 - Electrostatic discharges and radio frequency disturbances
- Device can be equipped with multifunction aux contact of MCCB to remotely signal tripping due to earth fault
- Self powered - "no aux supply required"
- Instantaneous tripping at 30mA in less the 40ms for human protection
- Direct acting device - no shunt/UV release required in MCCB

MCCB Frame	Type	Three Pole Reference ⁽¹⁾	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
CVS/NSX - 100/160	ME	LV429212	11020	LV429213	11900
CVS/NSX - 100/160	MH	LV429210 <input checked="" type="checkbox"/>	15910	LV429211	16430
CVS/NSX - 250	MH	LV431535	18590	LV431536	19000
CVS/NSX - 400/630	MB	LV432455	46040	LV432456	47950

ME Type	MH Type	MB Type
<ul style="list-style-type: none"> Sensitivity - 300mA (fixed) Instantaneous time delay Fixed < 40ms 	<ul style="list-style-type: none"> Sensitivity - adjustable 30mA - 300mA-1A-3A-10A Instantaneous time delay(ms) 0 - 60 ⁽²⁾ - 150 ⁽²⁾ - 310 ⁽²⁾ 	<ul style="list-style-type: none"> Sensitivity - adjustable 300mA-1A-3A-10A -30A Instantaneous time delay (ms) 0 - 60 - 150 - 310

(1) Vigi 3P modules may also be used on 3P circuit breaker used for single phase or two phase protection

(2) If the sensitivity is set to 30mA, there is no time delay, whatever the time delay setting

Insulation monitoring module for EasyPact CVS/ Compact NSX Range Moulded Case Circuit Breakers



- Settings: 100 - 200 - 500 - 1000mA
- Indication by Red LED without tripping the circuit breaker
- Option for installing auxiliary contact for remote indication/tripping

Description	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
CVS/NSX 100- 250A				
220 to 440V AC	LV429459	13750	LV429460	14780
Connection for a 4P insulation monitoring module on a 3P breaker	-	-	LV429214	5670
CVS/NSX 400- 630A				
220 to 440V AC	LV432659	21780	LV432660	24310
Connection for a 4P insulation monitoring module on a 3P breaker	-	-	LV432457	16020

Compact NSX



- Range - 16A to 630A in Two frames sizes.
- Breaking Capacity up to 200kA
- Voltage rating up to 690V
- Isolation with Positive Break Indication
- Fixed, Plug-in and Draw out type
- TMD and Microprocessor based trip unit
- Built-in energy metering (1.5% accuracy class)
- Smart Integration over Communication Network
- Total Discrimination

Breaking Capacity

Ics=100% Icu
@380/415V



Demanding more from your low voltage systems??

Introducing exceptional breaking capacity for exceptional safety and service continuity.....

High Performance Moulded Case Circuit Breakers @ 690V AC

Icu = 100kA @ 690V AC **NEW**



Choose protection that delivers...

- Best-in-class breaking capacity for:



Marine



Oil & Gas



Mining: Minerals & Metals

- Best-in-class type 2 co-ordination for motor applications @ 690V AC
- Global Certification
 - IEC 6094-2 / 4
 - Marine Classification approvals apply (Veritas, Lloyd`s Register of Shipping, Det Norske Veritas, etc)
 - Marine-ready, meets new IACS requirements (Ics rating)

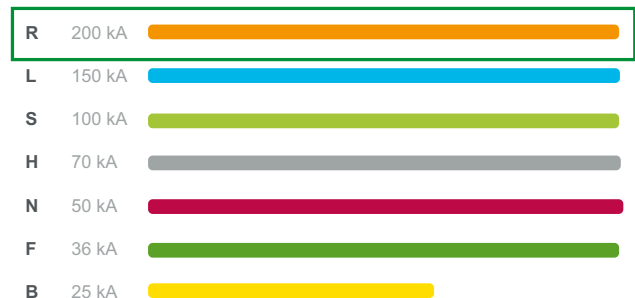
Breaking performance at 690 V

NSX 100 NSX 250 NSX 400 NSX 630



Breaking performance at 415 V

NSX 100 NSX 160 NSX 250 NSX 400 NSX 630

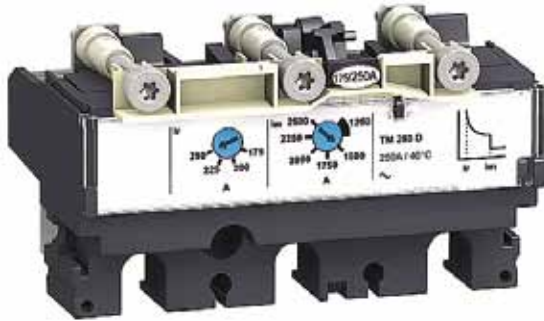


Note: For product references & prices contact nearest Sales Office

Type of Trip Units

(ASIC-Application Specific Integrated Circuit)

Thermal Magnetic Trip Unit



- Available from 16A - 250A
- Overload Setting (I_r) 0.7 - 1 x I_n
- Short Circuit Setting (I_m)
- Fixed upto 160A
- Adjustable 5 - 10 x I_r (for 200A - 250A)

Micrologic Trip Units



	Protection	Cases	Measurement	Application
	↓	↓	↓	↓
	1 I 2 LS ₀ I 5 LSI 6 LSIG	2 NSX100-250 3 NSX400-630	A Ammeter E Energy Meter	--- Distribution G Generator AB Subscriber M Motor Z 16Hz 2/3
Example				
Micrologic 1.3 M	I	400 or 630 A		Motor
Micrologic 2.2 G	LS ₀ I	100, 160 or 250 A		Generator
Micrologic 2.3	LS ₀ I	400 or 630 A		Distribution
Micrologic 2.3 M	LS ₀ I	400 or 630 A		Motor
Micrologic 5.2 A	LSI	100, 160 or 250 A	Ammerter	Distribution
Micrologic 5.3 E	LSI	400 or 630 A	Energy	Distribution
Micrologic 6.3 E-M	LSIG	400 or 630 A	Energy	Motor

- I** - Instantaneous
- S₀** - Short Time with Fixed Time Delay
- S** - Short Time with Adjustable Time Delay
- G** - Ground Fault

ULP Modules (Universal Logic Plug)

FDM121 - Front Display Module



The front display module FDM121 is a panel mounted unit dedicated to display measurements (Current, Voltage, Power, Energy, Power Factor, THD etc.), operating assistance data (Contact wear indication, Load Profile, ON/OFF/Trip counter) and Last 17 fault trip/Alarm history with date and time stamping data received from MCCB.

IFM - Interface Module



Interface module allows intelligent modular units (IMUs) in the ULP system to communicate using the Modbus protocol. These are DIN rail mounted modules.



NSX cord



ULP cables

The Compact NSX circuit breaker connects to the ULP system by means of the NSX Cord. The Compact NSX circuit breaker must be equipped with a BSCM and/or a Micrologic 5/6 Trip Unit.

ULP cables are used to interconnect ULP modules within a single IMU. They have male RJ45 connectors at both ends and are available in several lengths.



ULP modules are interconnected by simple plug and play connection using ULP cables, without prior set-up.

Introducing...

Compact NSX PV for Photovoltaic applications

- Circuit Breakers and Switch Disconnectors
- A complete DC offer for Solar Applications from 80 to 1500A.
 - 80A to 500A MCCB
 - 80A to 1500A Switch disconnector



Ensuring safe and efficient operation of your Photovoltaic installation.



With heat sink supplied as standard, MCCB rating is optimized, avoiding the need to oversize protection components and saving space in the enclosure.



Connection and insulation accessories supplied as standard with Compact NSX PV MCCB are:

- Connection plate with heat sink
- Upstream and downstream terminal shields

Note: For additional details please contact nearest Sales Office.

With Thermal Magnetic Trip Unit (TMD)



- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Adjustable thermal setting 0.7 - 1 x In
- Adjustable magnetic setting 5 – 10 x Ir **
- Transparent cover for trip unit as standard
- Two frame sizes upto 630A
- Breaking Capacity enhancement upto 150kA with a higher capacity upstream (Cascading)
- Exceptional current limiting $6 \times 10^5 \text{ A}^2\text{S}$

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
25kA	16A	LV429557	8200	LV429567	11800
	25A	LV429556 <input checked="" type="checkbox"/>	8200	LV429566	11800
	32A	LV429555 <input checked="" type="checkbox"/>	8200	LV429565	11800
	40A	LV429554 <input checked="" type="checkbox"/>	8200	LV429564	11800
	50A	LV429553	8200	LV429563	11800
	63A	LV429552 <input checked="" type="checkbox"/>	8200	LV429562 <input checked="" type="checkbox"/>	11800
	80A	LV429551 <input checked="" type="checkbox"/>	8200	LV429561	11800
	100A	LV429550 <input checked="" type="checkbox"/>	8200	LV429560 <input checked="" type="checkbox"/>	11800
	125A	LV430311 <input checked="" type="checkbox"/>	14950	LV430321 <input checked="" type="checkbox"/>	18450
	160A	LV430310 <input checked="" type="checkbox"/>	14950	LV430320 <input checked="" type="checkbox"/>	18450
	200A	LV431111	23100	LV431121 <input checked="" type="checkbox"/>	27800
	250A	LV431110 <input checked="" type="checkbox"/>	23100	LV431120 <input checked="" type="checkbox"/>	27800
	36kA	16A	LV429637 <input checked="" type="checkbox"/>	10150	LV429647
25A		LV429636 <input checked="" type="checkbox"/>	10150	LV429646	13300
32A		LV429635 <input checked="" type="checkbox"/>	10150	LV429645 <input checked="" type="checkbox"/>	13300
40A		LV429634 <input checked="" type="checkbox"/>	10150	LV429644	13300
50A		LV429633	10150	LV429643	13300
63A		LV429632 <input checked="" type="checkbox"/>	10150	LV429642 <input checked="" type="checkbox"/>	13300
80A		LV429631 <input checked="" type="checkbox"/>	10150	LV429641	13300
100A		LV429630 <input checked="" type="checkbox"/>	10150	LV429640 <input checked="" type="checkbox"/>	13300
125A		LV430631 <input checked="" type="checkbox"/>	15700	LV430641 <input checked="" type="checkbox"/>	19350
160A		LV430630 <input checked="" type="checkbox"/>	15700	LV430640 <input checked="" type="checkbox"/>	19350
200A		LV431631 <input checked="" type="checkbox"/>	24100	LV431641 <input checked="" type="checkbox"/>	29700
250A		LV431630 <input checked="" type="checkbox"/>	24100	LV431640 <input checked="" type="checkbox"/>	29700
50kA		16A	LV429847	11850	LV429857
	25A	LV429846	11850	LV429856	15000
	32A	LV429845 <input checked="" type="checkbox"/>	11850	LV429855	15000
	40A	LV429844 <input checked="" type="checkbox"/>	11850	LV429854	15000
	50A	LV429843	11850	LV429853	15000
	63A	LV429842 <input checked="" type="checkbox"/>	11850	LV429852	15000
	80A	LV429841 <input checked="" type="checkbox"/>	11850	LV429851	15000
	100A	LV429840 <input checked="" type="checkbox"/>	11850	LV429850	15000
	125A	LV430841 <input checked="" type="checkbox"/>	18250	LV430851	20500
	160A	LV430840 <input checked="" type="checkbox"/>	18250	LV430850	20500
	200A	LV431831 <input checked="" type="checkbox"/>	25100	LV431841	30650
	250A	LV431830 <input checked="" type="checkbox"/>	25100	LV431840	30650
	70kA	16A	LV429677	15900	LV429687
25A		LV429676	15900	LV429686	20000
32A		LV429675	15900	LV429685	20000
40A		LV429674	15900	LV429684	20000
50A		LV429673	15900	LV429683	20000
63A		LV429672 <input checked="" type="checkbox"/>	15900	LV429682	20000
80A		LV429671	15900	LV429681	20000
100A		LV429670 <input checked="" type="checkbox"/>	15900	LV429680	20000
125A		LV430671	29600	LV430681	31750
160A		LV430670 <input checked="" type="checkbox"/>	29600	LV430680	31750
200A		LV431671	33850	LV431681	43550
250A		LV431670 <input checked="" type="checkbox"/>	33850	LV431680	43550

Note:

- ** applicable for NSX 200A & 250A
- For higher breaking capacities (100kA and 150kA); for Generator Protection MCCB and other special application MCCB, contact our nearest Sales Office.

With Micrologic 2 (μ P -ASIC based)



- Protection type LS_0IN
- $I_{cs} = 100\%$ I_{cu} as per IEC 60947-2
- Suitable for Isolation
- Adjustable overload from $0.36 - 1 \times I_n$
- Adjustable short circuit from $1.5 - 10 \times I_r$
- Innovative front indication LED's (Ready, Overload pre-alarm & Overload)
- Two frame sizes up to 630A
- Breaking Capacity enhancement upto 150kA with a higher capacity upstream (Cascading)
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCB

Breaking Capacity I_{cu} as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
25kA	40A	LV429777 <input checked="" type="checkbox"/>	14450	LV429787	20000
	100A	LV429775 <input checked="" type="checkbox"/>	14450	LV429785 <input checked="" type="checkbox"/>	20000
	160A	LV430745 <input checked="" type="checkbox"/>	18450	LV430750 <input checked="" type="checkbox"/>	23550
	250A	LV431140 <input checked="" type="checkbox"/>	25100	LV431150 <input checked="" type="checkbox"/>	32200
36kA	40A	LV429772	15500	LV429782	20000
	100A	LV429770 <input checked="" type="checkbox"/>	15500	LV429780 <input checked="" type="checkbox"/>	20000
	160A	LV430770 <input checked="" type="checkbox"/>	19500	LV430780 <input checked="" type="checkbox"/>	26150
	250A	LV431770 <input checked="" type="checkbox"/>	27650	LV431780 <input checked="" type="checkbox"/>	35900
	400A	LV432676 <input checked="" type="checkbox"/>	35900	LV432677 <input checked="" type="checkbox"/>	41000
50kA	630A	LV432876 <input checked="" type="checkbox"/>	37950	LV432877 <input checked="" type="checkbox"/>	49200
	40A	LV429797	18450	LV429807	25250
	100A	LV429795 <input checked="" type="checkbox"/>	18450	LV429805 <input checked="" type="checkbox"/>	22550
	160A	LV430775 <input checked="" type="checkbox"/>	23050	LV430785	28700
	250A	LV431870 <input checked="" type="checkbox"/>	29100	LV431875 <input checked="" type="checkbox"/>	37950
	400A	LV432693 <input checked="" type="checkbox"/>	36900	LV432694 <input checked="" type="checkbox"/>	45600
70kA	630A	LV432893 <input checked="" type="checkbox"/>	41000	LV432894 <input checked="" type="checkbox"/>	54300
	40A	LV429792	22150	LV429802	29300
	100A	LV429790	22150	LV429800	29300
	160A	LV430790	33600	LV430800	38550
	250A	LV431790	38250	LV431800	49500
	400A	LV432695 <input checked="" type="checkbox"/>	44050	LV432696	61500
	630A	LV432895 <input checked="" type="checkbox"/>	46100	LV432896	71750

Note: For higher Breaking Capacities (100kA and 150kA); for Generator Protection MCCB and other special application MCCB, contact our nearest Sales Office.

With Micrologic 2 (μ P -ASIC based) with + shunt +GFP

- Protection type LS_0IGN
- $I_{cs} = 100\%$ I_{cu} as per IEC 60947-2
- Fault indication for GF (LED type) meant for human safety.
- Suitable for Isolation
- Adjustable overload from $0.36 - 1 \times I_n$
- Adjustable short circuit from $1.5 - 10 \times I_r$
- Adjustable earth fault sensitivity selection 10 to 60%
- Innovative front indication LED's (Ready, Overload pre-alarm & Overload)
- Two frame sizes up to 630A
- Suitable for 3P3W & 3P4W electrical distribution network
- Breaking Capacity enhancement upto 150kA with a higher capacity upstream (Cascading)
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCB

MCCB Frame	Relay Module rated current	3 Ph + 3W Reference	Unit MRP [₹]	3 Ph + 4W Reference	Unit MRP [₹]
CVS/NSX100	32, 40, 50, 63, 80, 100	GFP11CT13P <input checked="" type="checkbox"/>	5090	GFP11CT14P <input checked="" type="checkbox"/>	5570
CVS/NSX 160 / 250	125, 160, 200, 250	GFP12CT23P <input checked="" type="checkbox"/>	5780	GFP12CT24P <input checked="" type="checkbox"/>	6530
CVS/NSX 400 / 630	400, 630	GFP13CT33P <input checked="" type="checkbox"/>	8730	GFP13CT34P <input checked="" type="checkbox"/>	9530
CVS 800	800	GFP14CT43P <input checked="" type="checkbox"/>	10770	GFP14CT44P <input checked="" type="checkbox"/>	12050

Note: Kindly order NSX/CVS MCCB +GFP+. Shunt trip coil.

With Micrologic 6A (Embedded current metering and communication capable)

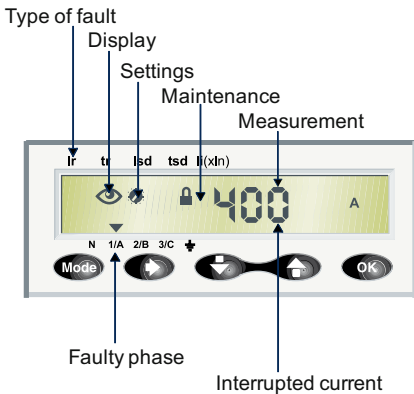


- Protection type LSIGN
- $I_{cs} = 100\% I_{cu}$ as per IEC 60947-2
- Suitable for Isolation
- Current measurements (Phase & neutral, Average, Highest of phases, Ground fault current, Maximeter / Minimeter, Current unbalance between phases)
- Adjustable overload from $I_r 0.36$ to $1 \times I_n$ and $t_r = 0.5 - 16$ s
- Adjustable short circuit from $I_{sd} 1.5 - 10 \times I_r$ and $t_{sd} I^2t_{ON}/OFF 0.1 - 0.4s$
- Adjustable earth fault $0.4 - 1 \times I_n$ (for $I_n=40A$) & $0.2 - 1 \times I_n$ (for $I_n>40A$) and $t_g I^2t_{ON}/OFF 0.1 - 0.4s$
- Instantaneous protection $I_i 1.5 \times I_n - 15 \times I_n$ (40 - 160A), $12 \times I_n$ (250 - 400A) and $11 \times I_n$ (630A)
- Innovative front indication LED's (Ready, Overload pre-alarm & Overload)
- Fault distinction on the display of trip unit (type of fault, interrupted fault current and faulty phase)
- Zone Selective Interlocking (ZSI) as standard
- Breaking Capacity enhancement upto 150kA with a higher capacity upstream (Cascading)
- Adjustable neutral protection - N, N/2, OFF and oversized neutral (standard feature) for 4 Pole MCCB.

Note:

For prices of MCCB with 6A and 6E contact our nearest Sales Office.

Micrologic 6 E (Embedded Energy metering and communication capable)



- Features over and above Micrologic 6A.
- Current Measurements (Phase & neutral, Average, Highest of Phases, Ground Fault current, Maximeter/Minimeter, Current Unbalance between Phases)
- Voltage Measurements (Phase-Phase & Phase-neutral, Average, Ph-Ph & Ph-N voltage unbalance)
- Frequency Measurements
- Power Quality Indicator (Total Harmonic Distortion for Current and Voltage)
- Power Measurements (Active, Reactive and Apparent Power, total and per phase and Power Factor and $\cos(\phi)$)
- Demand Currents and Power Measurements (Demand Values, total & per phase, Maximum Demand)
- Energy Metering (Active, Reactive and Apparent energy, total and per phase)
- Indications, Alarms and Histories (Indication of fault types, Alarms for high/low threshold, operating histories & time stamped tables)
- Maintenance Indicators (Operation, trip and alarm counters; Operating Hours Counter; Contact wear; Load profile and thermal image)
- Communication (Modbus with add on module)

Note: For higher Breaking Capacities (100kA and 150kA), contact our nearest Sales Office.

Type NA Switch Disconnecter Unit



Compact NSX 100 to 250 NA



Compact NSX 400 to 630 NA

- Suitable for Isolation with positive contact indication as defined by standard IEC 60947-3.
- Compliance to utilization categories AC22A or AC23A
- Self protected due to high magnetic-set release
- Two frame sizes upto 630A
- Available in fixed, plug in and withdrawable versions
- Common Accessories as that of Compact NSX circuit breaker

Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
100A	LV429629	9000	LV429639	13300
160A	LV430629	18450	LV430639	24600
250A	LV431629	27650	LV431639	37950
400A	LV432756	34850	LV432757	44050
630A	LV432956	35900	LV432957	58400

With Magnetic Trip Unit MA type



- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Adjustable magnetic setting I_m 6 - 14 x I_n (2.5 - 100A) & 9 - 14 x I_n (150 - 200A)
- Type - 2 Co-ordination charts upto 110 kW at 400V
- Breaking Capacity enhancement upto 150kA with a higher capacity upstream (Cascading)
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCB
- Rated at 65°C as per motor standards

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]
36kA	2.5A	LV429745	10200
	6.3A	LV429744	10200
	12.5A	LV429743	10200
	25A	LV429742	10200
	50A	LV429741	10200
	100A	LV429740 <input checked="" type="checkbox"/>	10200
	150A	LV430830	15350
50kA	220A	LV431748	25200
	2.5A	LV429755	13460
	6.3A	LV429754	13460
	12.5A	LV429753	13460
	25A	LV429752	13460
	50A	LV429751	13460
	100A	LV429750 <input checked="" type="checkbox"/>	13460
70kA	150A	LV430832	18750
	220A	LV431752	27650
	2.5A	LV429765	16320
	6.3A	LV429764	16320
	12.5A	LV429763	16320
	25A	LV429762	16320
	50A	LV429761	16320
	100A	LV429760	16320
	150A	LV430834	28400
	220A	LV431756	44050

With Micrologic 1.3M



- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Adjustable short circuit $I_{sd} = 5 - 13 \times I_n$
- Front indication LED (Ready LED)
- Type - 2 Co-ordination charts upto 250 kW at 400V
- Rated at 65°C as per motor standards

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]
36kA	320A	LV432748	32800
	500A	LV432948	39450
50kA	320A	LV432749	35900
	500A	LV432949	41200
70kA	320A	LV432750	49200
	500A	LV432950	49500

Note: For higher Breaking Capacities (100kA and 150kA), contact our nearest Sales Office

With Micrologic 2M (µP - ASIC based)



- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Adjustable overload Ir 0.45 - 1 x In
- Adjustable short circuit Isd 5 - 13 x Ir
- Trip class selection: Class 5, Class 10 & Class 20
- Phase unbalance or Phase Loss
- Type - 2 Co-ordination charts upto 315 kW at 400V
- Front indication LED's (Ready & temperature rise alarm)
- Breaking Capacity enhancement upto 150kA with a higher capacity upstream (Cascading)
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCB
- Rated at 65°C as per motor standards

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]
36kA	25A	LV429828	14790
	50A	LV429827	14790
	100A	LV429825	14790
	150A	LV430985	21930
	220A	LV431160	31010
	320A	LV432775	39780
50kA	500A	LV432975	47940
	25A	LV429833	18360
	50A	LV429832	18360
	100A	LV429830	18360
	150A	LV430988	25910
	220A	LV431165	32690
70kA	320A	LV432776	48450
	500A	LV432976	49980
	25A	LV429838	22340
	50A	LV429837	22340
	100A	LV429835	22340
	150A	LV430991	36010
	220A	LV431170	41770
	320A	LV432777	55080
	500A	LV432977	61200

Note:

- For higher Breaking Capacities (100kA and 150kA), contact our nearest Sales Office
- For arriving at the Reference of the MCCB with Micrologic 6E-M, please contact our nearest Sales Office

Micrologic 6 E-M



In addition to Embedded Energy Metering features of Micrologic 6E, the below Motor Application parameters are present in Micrologic 6E-M

- Overload protection: Ir 0.45 - 1 x In
- Short circuit protection: Isd 5 - 13 x Ir
- Ground fault protection: Ig 0.4 - 1 x In (for In=40A) & 0.2 - 1 x In (for In>40A) and tg I2tON/OFF 0.1 - 0.4s
- Phase unbalance or Phase loss
- Trip class selection: Class 5, Class10, Class20 & Class30
- Cooling fan selection: self cooled or fan cooled motors
- Iunbalance: 10 - 40% of average current and time delay 0.7s (starting) & 1 - 10s (normal operation)
- Locked Rotor: Ijam 1 - 8 x Ir or Ijam can be made OFF and tjam 1 - 30s
- Under-Load (under-current): Iund 0.3 - 0.9 x Ir or Iund can be made OFF and tund 1 - 200s
- Long Starts Ilong 1 - 8 x Ir or Ilong can be made OFF and tlong 1 - 200s
- Neutral: OFF or 0.5 x Ir or oversized neutral standard
- Front indication LED's (Ready & temperature rise alarm)
- Zone Selective Interlocking (ZSI) as standard
- Fault distinction on the display of trip unit (type of fault, interrupted fault current and faulty phase)

MCCBs for DC Network Protection

Compact NSX DC

With Thermal Magnetic Trip Unit (TMD)



- Available from 16 – 630A in 3P/4P version with breaking capacities of 36kA and 100kA @ 750V DC
- Available in 1P version with breaking capacities of 36kA, 50kA and 85kA for 250V DC / pole
- Available in 2P version with breaking capacities of 36kA, 50kA, 100kA for 250V DC / pole
- Ics = 100% Icu for complete range
- TMD type trip unit for 16 – 250A and only Magnetic type (MP1/MP2/MP3) for 400 – 630A
- L/R (time constant of the distribution system) = 15 ms
- Compact NSX DC enables parallel connections of poles, optimizing use of rated currents
- Special connection accessories available for parallel and series connection

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
36kA	100A	LV438003XTMDC100	13260	LV438008XTMDC100	18870
	160A	LV438103XTMDC160	16320	LV438108XTMDC160	22030
	250A	LV438203XTMDC250	22850	LV438208XTMDC250	27850
	400A	LV438403	48550	LV438408	59160
	630A	LV438503	61200	LV438508	72930
100kA	100A	LV438018XTMDC100	15810	LV438019XTMDC100	21420
	160A	LV438118XTMDC160	21110	LV438119XTMDC160	26520
	250A	LV438218XTMDC250	36720	LV438219XTMDC250	38760
	400A	LV438418	52020	LV438419	63240
	630A	LV438518	64260	LV438519	75480

Note:

- For 1P / 2P contact nearest Sales Office
- Above references and prices for 400A / 630A are with trip unit MP1; for other trip units contact nearest Sales Office
- For arriving at the references of MCCB with ratings lower than 100A; replace the last 3 digits with required ratings.
- For Accessories refer Compact NSX Accessories on page 25



Indication contacts



SDTAM remote indication relay module



SDx remote indication relay module



Voltage Release



Motor Mechanism

Description	Reference	Unit MRP [₹]
Auxiliary Contacts (Changeover) Multifunction		
OF or SD or SDE or SDV	29450 <input checked="" type="checkbox"/>	880
OF or SD or SDE or SDV low level	29452	930
SDE adaptor for trip unit TM or MA or Micrologic 2 \$\$	LV429451 <input checked="" type="checkbox"/>	670
SDx 2-Programmable Contacts for Micrologic		
SDx module 24/415 V AC/DC	LV429532	9840
SDTAM Contactor Tripping Module for Micrologic 2- M/6 E-M		

\$\$ To be considered alongwith SDE contact for MCCB with TMD/MA./Micrologic 2 protection.

Voltage Releases

Description	Shunt Release Reference	Unit MRP [₹]	Undervoltage Reference	Unit MRP [₹]
AC				
24 V 50/60 Hz	LV429384	2160	LV429404	2830
48 V 50/60 Hz	LV429385		LV429405	
110-130 V 50/60 Hz	LV429386 <input checked="" type="checkbox"/>		LV429406 <input checked="" type="checkbox"/>	
220-240 V 50/60 Hz	LV429387 <input checked="" type="checkbox"/>		LV429407 <input checked="" type="checkbox"/>	
380-415 V 50 Hz	LV429388 <input checked="" type="checkbox"/>		LV429408 <input checked="" type="checkbox"/>	
525 V 50 Hz	LV429389		LV429409	
DC				
12 V	LV429382	2160	LV429402	2830
24 V	LV429390 <input checked="" type="checkbox"/>		LV429410 <input checked="" type="checkbox"/>	
30 V	LV429391		LV429411	
48 V	LV429392		LV429412	
60 V	LV429383		LV429403	
125 V	LV429393		LV429413	
250 V	LV429394		LV429414 <input checked="" type="checkbox"/>	

Installation Accessories

Description	100/160/250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
Spreaders & Phase Barrier				
Spreaders (Set of 3) 3P	LV431563 <input checked="" type="checkbox"/>	670	32492 <input checked="" type="checkbox"/>	1450
Spreaders (Set of 4) 4P	LV431564 <input checked="" type="checkbox"/>	880	32493 <input checked="" type="checkbox"/>	1850
Phase Barrier (Set of 6)	*		LV432570 <input checked="" type="checkbox"/>	720
Interlocking				
For Breaker with Rotary Handle	LV429369	8390	LV432621	10560
For Breaker with Toggle	LV429354	8650	LV432614	10560
Mechanical Interlocking with Base Plate	29349**	16480	32609**	36460
Locking of Rotary Handle				
Locking Device	LV429344 <input checked="" type="checkbox"/>	520	LV432604 <input checked="" type="checkbox"/>	720
Ronis Keylock (1 Lock + 1 Key set)	41940 <input checked="" type="checkbox"/>	3660	41940 <input checked="" type="checkbox"/>	3660
Ronis Keylock (2 Locks + 1 Key set)	41950 <input checked="" type="checkbox"/>	7060	41950 <input checked="" type="checkbox"/>	7060
Profalux Keylock (1 Lock + 1 Key set)	42888	6180	42888	6180
Profalux Keylock (2 Locks + 1 Key set)	42878	7060	42878	7060

* supplied as standard with spreader

** Mechanical Interlocking with Base Plate to be ordered with Safety trip interlock (LV429270 for 29349 and LV432520 for 32609)

NORMAL STOCK ITEMS

W.E.F. December 19, 2014



FDM121: Front Display Module



Test Battery



Power Supply Module



IFM: Modbus Interface Module



BSCM: Breaker Status and Control Module

SDTAM 24/415 V AC/DC overload fault indication

LV429424

10200

Motor Mechanism

Type	Voltage	100/160A Reference	Unit MRP [₹]	250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
Motor Mechanism Modules with SDE adaptor ⁽¹⁾							
AC 50/60 Hz	48-60 V	LV429440	20600	LV431548	22760	LV432639	32450
	110-130 V	LV429433		LV431540		LV432640	
	220-240 V	LV429434 <input checked="" type="checkbox"/>		LV431541 <input checked="" type="checkbox"/>		LV432641 <input checked="" type="checkbox"/>	
	380-415 V	LV429435		LV431542		LV432642	
	440-480 V	LV429435		LV431542		LV432647	
DC	24-30 V	LV429436	24930	LV431543	27040	LV432643	35740
	48-60 V	LV429437		LV431544		LV432644	
	110-130 V	LV429438		LV431545		LV432645	
	250 V	LV429439		LV431546		LV432646	

(1) With every Motor Mechanism, please order 1 no. auxiliary contact additionally. For other voltages of motor mechanism please consult Schneider Electric.

Description	100/160/250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
Locking of Motor Mechanism				
Keylock adaptor + Ronis keylock (special)	LV429449	2580	-	-
Locking Device	-	-	LV432649	820
Ronis Keylock	-	-	41940 <input checked="" type="checkbox"/>	3660
Profalux Keylock	-	-	42888	6180
Torque Limiting Screws (Set of 12)	LV429513	1910	LV432513	2270

Monitoring and Control, test tools- Compact and NSX100 - 630

Monitoring and Control (Remote Operation)

Description	Reference	Unit MRP [₹]
ULP Display Module		
Switchboard front display module FDM121	TRV00121 <input checked="" type="checkbox"/>	10300
ULP Wiring Accessories		
NSX cord L = 0.35 m	LV434200	2370
NSX cord L = 1.3 m	LV434201 <input checked="" type="checkbox"/>	2270
5 RJ45/RJ45 MALE Cord L = 1m	TRV00810	2240
10 Stacking connectors for COM interface	TRV00217	3500
ULP Communication Module		
IFM MODBUS Interface Module	TRV00210 <input checked="" type="checkbox"/>	9220
BSCM (Breaker Status and Control Module)	LV434205 <input checked="" type="checkbox"/>	7780
Power Supply Modules		
External power supply module 24 V DC-1 A OVC IV		
24-30 V DC	54440	14180
48-60 V DC	54441	
100-125 V AC	54442	15910
110-130 V AC	54443	
200-240 V AC	54444 <input checked="" type="checkbox"/>	11930
380-415 V AC	54445	15910
Pocket battery for Micrologic NSX100-630	LV434206	16220

Maintenance Module for advanced configuration and testing contact our nearest Sales Office.

ULP = Universal Logic Plug

NORMAL STOCK ITEMS

W.E.F. December 19, 2014



Direct Rotary Handle



Extended Rotary Handle



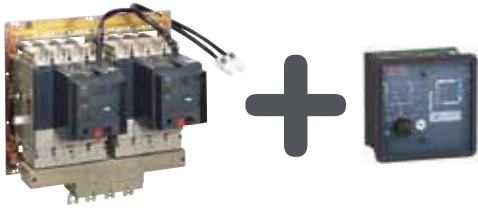
Plug in Base



Draw-Out Chassis Kit

Description	100/160/250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
Rotary Handles				
Standard direct black handle	LV429337 <input checked="" type="checkbox"/>	1130	LV432597 <input checked="" type="checkbox"/>	1700
Standard extended rotary handle	LV429338 <input checked="" type="checkbox"/>	1800	LV432598 <input checked="" type="checkbox"/>	3240
Plug in Base (Complete Kit)				
3 Pole	LV429289 <input checked="" type="checkbox"/>	7570	LV432538 <input checked="" type="checkbox"/>	17360
4 Pole	LV429290 <input checked="" type="checkbox"/>	9790	LV432539 <input checked="" type="checkbox"/>	21630
Draw-Out Chassis Kit				
3 Pole				
Plug In base	LV429289 <input checked="" type="checkbox"/>	7570	LV432538 <input checked="" type="checkbox"/>	17360
Chassis Side Plate for base	LV429282 <input checked="" type="checkbox"/>	10610	LV432532 <input checked="" type="checkbox"/>	13440
Chassis Side Plate for breaker	LV429283 <input checked="" type="checkbox"/>	5610	LV432533 <input checked="" type="checkbox"/>	7830
4 Pole				
Plug In base	LV429290 <input checked="" type="checkbox"/>	9790	LV432539 <input checked="" type="checkbox"/>	21630
Chassis Side Plate for base	LV429282 <input checked="" type="checkbox"/>	10610	LV432532 <input checked="" type="checkbox"/>	13440
Chassis Side Plate for breaker	LV429283 <input checked="" type="checkbox"/>	5610	LV432533 <input checked="" type="checkbox"/>	7830
Plug In / Withdrawable version Accessories				
Automatic Auxilliary Connectors				
1 9-wire fixed connector (for base)	LV429273	1030	LV429273	1030
1 9-wire moving connector (for circuit breaker)	LV429274	770	LV432523 <input checked="" type="checkbox"/>	820
1 support for 2 moving connectors	LV429275	570	LV432525 <input checked="" type="checkbox"/>	570
Manual Auxilliary Connectors				
9-wire manual auxiliary connector (fixed + moving)	LV429272	3610	LV429272	3610

Note: Above auxiliary connectors to be used with Plug-in and Withdrawable MCCB when Auxiliary Contact, Shunt, UnderVoltage or Motor Mechanism is used.



BA controller (basic)

- Monitoring of “Normal” source & “Automatic” transfer
- Circuit breaker status indication on front of controller: ON, OFF & fault trip
- Voluntary transfer to “Replacement” source (e.g. energy management commands)

UA controller (advanced)

- Monitoring of “normal” source & “Automatic” transfer
- Circuit breaker status indication on front of controller: on, off & fault trip
- Voluntary transfer to “replacement” source (e.g. energy management commands)
- Delayed (adjustable) shutdown of generator set
- Load shedding & reconnection of non-priority loads
- Transfer to “Replacement” source if one of the phases of the “Normal” phase is absent
- During peak tariff period (energy management commands) forced operation on “Normal” source if “Replacement” source not operational

With NSX100F - NSX630F 36kA 3P MCCB

Breaker for Normal Supply	Breaker for Replacement Supply	3P BA Controller Reference	Unit MRP [₹]	3P UA Controller Reference	Unit MRP [₹]
NSX100F	NSX100F	LV4A3F100100B4	195570	LV4A3F100100U4	214020
NSX160F	NSX100F	LV4A3F160100B4	201820	LV4A3F160100U4	220270
NSX160F	NSX160F	LV4A3F160160B4	207610	LV4A3F160160U4	226060
NSX250F	NSX100F	LV4A3F250100B4	214840	LV4A3F250100U4	233290
NSX250F	NSX160F	LV4A3F250160B4	221090	LV4A3F250160U4	239540
NSX250F	NSX250F	LV4A3F250250B4	234060	LV4A3F250250U4	252510
NSX400F	NSX100F	LV4A3F400100B4*	250970	LV4A3F400100U4*	240260
NSX400F	NSX160F	LV4A3F400160B4*	256250	LV4A3F400160U4*	244970
NSX400F	NSX250F	LV4A3F400250B4*	239080	LV4A3F400250U4*	255530
NSX400F	NSX400F	LV4A3F400400B4	287920	LV4A3F400400U4	306370
NSX630F	NSX160F	LV4A3F630160B4*	231030	LV4A3F630160U4*	247490
NSX630F	NSX250F	LV4A3F630250B4*	241590	LV4A3F630250U4*	258040
NSX630F	NSX400F	LV4A3F630400B4	290790	LV4A3F630400U4	309240
NSX630F	NSX630F	LV4A3F630630B4	293610	LV4A3F630630U4	312060

With NSX100F - NSX630F 36kA 4P MCCB

Breaker for Normal Supply	Breaker for Replacement Supply	4P BA Controller Reference	Unit MRP [₹]	4P UA Controller Reference	Unit MRP [₹]
NSX100F	NSX100F	LV4A4F100100B4	203310	LV4A4F100100U4	221760
NSX160F	NSX100F	LV4A4F160100B4	210330	LV4A4F160100U4	228780
NSX160F	NSX160F	LV4A4F160160B4	212230	LV4A4F160160U4	230680
NSX250F	NSX100F	LV4A4F250100B4	225600	LV4A4F250100U4	244050
NSX250F	NSX160F	LV4A4F250160B4	232570	LV4A4F250160U4	251020
NSX250F	NSX250F	LV4A4F250250B4	247840	LV4A4F250250U4	266300
NSX400F	NSX100F	LV4A4F400100B4*	262860	LV4A4F400100U4*	250820
NSX400F	NSX160F	LV4A4F400160B4*	241390	LV4A4F400160U4*	257840
NSX400F	NSX250F	LV4A4F400250B4*	252870	LV4A4F400250U4*	269320
NSX400F	NSX400F	LV4A4F400400B4	300220	LV4A4F400400U4	318670
NSX630F	NSX160F	LV4A4F630160B4*	250820	LV4A4F630160U4*	267270
NSX630F	NSX250F	LV4A4F630250B4*	262300	LV4A4F630250U4*	278750
NSX630F	NSX400F	LV4A4F630400B4	310830	LV4A4F630400U4	329280
NSX630F	NSX630F	LV4A4F630630B4	321390	LV4A4F630630U4	339840

* Downstream coupling accessories are not available.

Note:

Each reference consists of:

- 2 MCCBs with Motor mechanism & Standard Trip Units.
- 4 Auxiliary contacts 2OF + 2SDE
- 1 Base Plate with IVE unit for mechanical & electrical interlocking
- 1 Downstream coupling accessory is supplied only when both the MCCB are of same Frame size
- Control Unit UA or BA

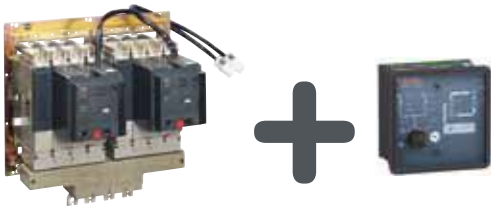
ATS upto 250A are provided with TMD type trip unit & for 400/630A with Micrologic 2 trip unit as standard.

ATS with MCCBs of other breaking capacities & other versions of trip units can also be supplied. Prices available on request.

Above given references with BA/UA controller are suitable for 415VAC control supply.

UA controller with 220/240V AC is not available

Replace suffix “4” by “2” for BA controller with 220/240V AC control supply.



BA controller (basic)

- Monitoring of “Normal” source & “Automatic” transfer
- Circuit breaker status indication on front of controller: ON, OFF & fault trip
- Voluntary transfer to “Replacement” source (e.g. energy management commands)

UA controller (advanced)

- Monitoring of “Normal” source & “Automatic” transfer.
- Circuit breaker status indication on front of controller: ON, OFF & fault trip
- Voluntary transfer to “Replacement” source (e.g. energy management commands)
- Delayed (adjustable) shutdown of generator set.
- Load shedding & reconnection of non-priority loads.
- Transfer to “Replacement” source if one of the phases of the “Normal” phase is absent
- During peak tariff period (energy management commands) forced operation on “Normal” source if “Replacement” source not operational

With NSX100N - NSX630N 50kA 3P MCCB

Breaker for Normal Supply	Breaker for Replacement Supply	3P BA Controller Reference	Unit MRP [₹]	3P UA Controller Reference	Unit MRP [₹]
NSX100N	NSX100N	LV4A3N100100B4	199160	LV4A3N100100U4	217610
NSX160N	NSX100N	LV4A3N160100B4	207150	LV4A3N160100U4	225600
NSX160N	NSX160N	LV4A3N160160B4	211150	LV4A3N160160U4	229600
NSX250N	NSX100N	LV4A3N250100B4	216890	LV4A3N250100U4	235340
NSX250N	NSX160N	LV4A3N250160B4	224880	LV4A3N250160U4	243330
NSX250N	NSX250N	LV4A3N250250B4	234670	LV4A3N250250U4	253120
NSX400N	NSX100N	LV4A3N400100B4*	228630	LV4A3N400100U4*	245080
NSX400N	NSX160N	LV4A3N400160B4*	234210	LV4A3N400160U4*	250660
NSX400N	NSX250N	LV4A3N400250B4*	242510	LV4A3N400250U4*	258970
NSX400N	NSX400N	LV4A3N400400B4	291610	LV4A3N400400U4	310060
NSX630N	NSX160N	LV4A3N630160B4*	238060	LV4A3N630160U4*	254510
NSX630N	NSX250N	LV4A3N630250B4*	246310	LV4A3N630250U4*	262760
NSX630N	NSX400N	LV4A3N630400B4	295920	LV4A3N630400U4	314370
NSX630N	NSX630N	LV4A3N630630B4	300220	LV4A3N630630U4	318670

With NSX100N - NSX630N 50kA 4P MCCB

Breaker for Normal Supply	Breaker for Replacement Supply	4P BA Controller Reference	Unit MRP [₹]	4P UA Controller Reference	Unit MRP [₹]
NSX100N	NSX100N	LV4A4N100100B4	206280	LV4A4N100100U4	224730
NSX160N	NSX100N	LV4A4N160100B4	213350	LV4A4N160100U4	231800
NSX160N	NSX160N	LV4A4N160160B4	213760	LV4A4N160160U4	232210
NSX250N	NSX100N	LV4A4N250100B4	227450	LV4A4N250100U4	245900
NSX250N	NSX160N	LV4A4N250160B4	234520	LV4A4N250160U4	252970
NSX250N	NSX250N	LV4A4N250250B4	248560	LV4A4N250250U4	267010
NSX400N	NSX100N	LV4A4N400100B4*	242720	LV4A4N400100U4*	259170
NSX400N	NSX160N	LV4A4N400160B4*	248970	LV4A4N400160U4*	265420
NSX400N	NSX250N	LV4A4N400250B4*	260550	LV4A4N400250U4*	277010
NSX400N	NSX400N	LV4A4N400400B4	311810	LV4A4N400400U4	330260
NSX630N	NSX160N	LV4A4N630160B4*	257940	LV4A4N630160U4*	274390
NSX630N	NSX250N	LV4A4N630250B4*	269520	LV4A4N630250U4*	285980
NSX630N	NSX400N	LV4A4N630400B4	321900	LV4A4N630400U4	340350
NSX630N	NSX630N	LV4A4N630630B4	332000	LV4A4N630630U4	350450

* Downstream coupling accessories are not available.

Note:

Each reference consists of:

- 2 MCCBs with Motor mechanism & Standard Trip Units.
- 4 Auxiliary contacts 2OF + 2SDE
- 1 Base Plate with IVE unit for mechanical & electrical interlocking
- 1 Downstream coupling accessory is supplied only when both the MCCB are of same Frame size.
- Control Unit UA or BA

ATS upto 250A are provided with TMD type trip unit & for 400/630A with Micrologic 2 trip unit as standard.

ATS with MCCBs of other breaking capacities & other versions of trip units can also be supplied. Prices available on request.

Above given references with BA/UA controller are suitable for 415V AC control supply.

UA controller with 220/240V AC is not available

Replace suffix “4” by “2” for BA controller with 220/240V AC control supply.

Earth Leakage Protection is obtained by:

- Installing a Micrologic 7.0.A control unit (Compact NS800 - 3200A/ Masterpact NT/NW ACB)
- Using Vigirex Relays and separate Toroids or Rectangular Sensors

Vigirex Relays



Vigirex Relays may be used to add external Earth Leakage Protection to Circuit Breakers

- Sensitivity Adjustments from 30mA to 30A and time delay settings from (0-4.5 seconds)
- Closed Toroid up to 630A (30 to 300mm in diameter), Split Toroid up to 250A (46 to 110mm in diameter) or
- Rectangular sensor up to 3200A
- 400Hz Distribution System

Note: For further details, please contact our nearest Sales Office.

Type	Control Voltage	Din rail mount Reference	Unit MRP [₹]	Front panel mount Reference	Unit MRP [₹]
RH10 with local manual fault reset	220/240VAC	56130	8870	56230	9740
Sensitivity=0.03A	380/415VAC	56140		56240	
RH99 with local manual fault reset	220/240VAC	56173	14790	56273	16010
Sensitivity = 0.03- 30A & time delay= 0-4.5s	380/415VAC	56174		56274	
RH197P with local manual or automatic fault reset	220/240VAC	-	-	56507*	17240
Sensitivity = 0.03- 30A & time delay= 0-4.5s	380/415VAC	-	-	56508*	
RH197P with local manual or automatic fault reset	220/240VAC	-	-	56512**	17410
Sensitivity = 0.03- 30A & time delay= 0-4.5s	380/415VAC	-	-	56513**	

* alarm at 50% of fault threshold

** alarm at 100% of fault threshold

Vigirex Sensors

Type	Ie(A) Rated operational Current	Inside diameter (mm)	Reference	Unit MRP [₹]
TA30	65	30	50437	6230
PA50	85	50	50438	8700
IA80	160	80	50439	10350
MA120	250	120	50440	12460
SA200	400	200	50441	19360
GA300	630	300	50442	43210

Note: For vigirex relay with monitoring and communication facility, contact nearest sales office.

Compact NS

Circuit breakers and switch-disconnectors from 630b to 3200A

- 630A to 3200A
- Breaking Capacity upto 150kA
- Category B MCCBs
- Fixed, Draw out type
- Built-in energy metering (1.5% accuracy class)
- Smart Integration over Communication Network
- Total Discrimination



2 sizes:

from 630b to 3200A



Compact NS630b to 1600



Compact NS1600b to 3200



Micrologic without Display

Micrologic A

Micrologic E

Micrologic P

LB 200kA	■	■			
L 150kA	■	■	■		
H 70kA	■	■	■	■	■
N 50kA	■	■	■	■	■
	NS630b	NS800	NS1000	NS1250	NS1600

H 85kA	■	■	■	■
N 70kA	■	■	■	■
	NS1600b	NS2300	NS2500	NS3200

With Micrologic Trip Units (Common for ACBs & MCCBs) - Unique Feature of Schneider Electric devices



- Single frame size from 630b to 1600A
- Unique common auxiliary switches from 100A to 1600A
- Breaking Capacity as high as 150kA
- Category B MCCBs

With Micrologic 2.0 Manual Fixed

- LED overload alarm indicator
- Test Facility
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCBs
- Adjustable overload (Ir) 0.4 - 1 x In
- Short circuit (Instantaneous) 1.5 - 10 x Ir

Breaking Capacity Icu as per IEC 60947-2	Rated Current [A]	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
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With Direct Rotary Handle

50kA	800	INA_3P33466D <input checked="" type="checkbox"/>	64680	INA_4P33469D	84610
	1000	INA_3P33472D	83020	INA_4P33475D	120460
	1250	INA_3P33478D	99500	INA_4P33480D	152590
70kA	800	INA_3P33467D	79050	INA_4P33470D	101040
	1000	INA_3P33473D	104600	INA_4P33476D	157280
	1250	INA_3P33479D	125450	INA_4P33481D	173250

With Extended Rotary Handle

50kA	800	INA_3P33466E <input checked="" type="checkbox"/>	66590	INA_4P33469E <input checked="" type="checkbox"/>	86520
	1000	INA_3P33472E <input checked="" type="checkbox"/>	84920	INA_4P33475E <input checked="" type="checkbox"/>	122310
	1250	INA_3P33478E <input checked="" type="checkbox"/>	101350	INA_4P33480E	154450
70kA	800	INA_3P33467E	80960	INA_4P33470E	102950
	1000	INA_3P33473E	106400	INA_4P33476E	159190
	1250	INA_3P33479E	127360	INA_4P33481E	175100

With Micrologic 6.0.A Manual Fixed

- LED overload alarm indicator
- Test Facility
- Adjustable neutral protection - N, N/2, OFF
- With ammeter display & bargraph ## (Bargraph is unique feature of Schneider MCCB)
- Zone Selective Interlocking
- Communication optional
- Individual fault indication by LED

Breaking Capacity Icu as per IEC 60947-2	Rated Current [A]	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
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With Direct Rotary Handle

50kA	800	INA_3P96466D	91620	INA_4P96469D	111550
	1000	INA_3P96472D	109950	INA_4P96475D	147390
	1250	INA_3P96478D	126430	INA_4P96480D	179530
70kA	800	INA_3P96467D	105990	INA_4P96470D	127980
	1000	INA_3P96473D	131530	INA_4P96476D	184220
	1250	INA_3P96479D	152390	INA_4P96481D	200180

With Extended Rotary Handle

50kA	800	INA_3P96466E	93420	INA_4P96469E	113450
	1000	INA_3P96472E	111810	INA_4P96475E	149250
	1250	INA_3P96478E	128290	INA_4P96480E	181380
70kA	800	INA_3P96467E	107890	INA_4P96470E	129880
	1000	INA_3P96473E	133330	INA_4P96476E	186070
	1250	INA_3P96479E	154290	INA_4P96481E	202030

Remarks: Trip Unit Micrologic 6.0.A

Parameter	Description	Setting
Ir	Adjustable Overload Current	0.4 - 1 x In
tr	Adjustable Overload time delay	0.5 - 24 sec
Isd	Adjustable Short Circuit Current	1.5 - 10 x Ir
tsd	Adjustable Short Circuit time delay	0.1 - 0.4sec & OFF (I ² t ON/OFF)
Ii	Adjustable Instantaneous Current	2 - 15 x In & OFF
Ig	Adjustable Earth Fault Current	0.2 - In (for <1250A) / 500 - 1200A (for >=1250A)
tg	Adjustable Earth Fault time delay	0.1 - 0.4sec & OFF (I ² t ON/OFF)

Display shows readings of I1, I2, I3, In & Earth Fault Current Value. Also Maximeters of Three Phase Currents are stored & displayed. LED bargraph shows the % loading on each phase

Note: For above MCCB with trip unit Micrologic 5.0, 5.0A, 5.0P, 6.0P and MCCB with higher breaking capacities, contact our nearest Sales Office
Functionality of all the above Micrologic is same as that of Masterpact NT/NW ACB.

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

With Micrologic Trip Units (Common for ACBs & MCCBs) - Unique Feature of Schneider Electric devices



- Single frame size from 630b to 1600A
- Unique common auxiliary switches from 100A to 1600A
- Breaking Capacity as high as 150kA
- Category B MCCBs

With Micrologic 2.0E Manual Fixed (With Embedded Energy Metering) NEW

- LED overload alarm indicator
- Measurement: Ammeter, current demand, voltages (ph-ph, ph-N & unbalance), Power (P,Q,S), power factor, power demand, Energy (Ep, Eq, Es)
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCBs
- Communication option & M2C programmable contacts
- Adjustable overload (Ir) 0.4 - 1 x In
- Short circuit (Instantaneous) 1.5 - 10 x Ir

Breaking Capacity Icu as per IEC 60947-2	Rated Current [A]	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
With Direct Rotary Handle					
50kA	800	INA_8N3PFM2ED1	84050	INA_8N4PFM2ED1	97590
	1000	INA_10N3PFM2ED1	96050	INA_10N4PFM2ED1	140900
	1250	INA_12N3PFM2ED1	119530	INA_12N4PFM2ED1	173660
70kA	800	INA_8H3PFM2ED1	98730	INA_8H4PFM2ED1	121180
	1000	INA_10H3PFM2ED1	124680	INA_10H4PFM2ED1	178450
	1250	INA_12H3PFM2ED1	146050	INA_12H4PFM2ED1	194670
With Extended Rotary Handle					
50kA	800	INA_8N3PFM2EE1	85950	INA_8N4PFM2EE1	99340
	1000	INA_10N3PFM2EE1	104700	INA_10N4PFM2EE1	142810
	1250	INA_12N3PFM2EE1	121440	INA_12N4PFM2EE1	175560
70kA	800	INA_8H3PFM2EE1	100630	INA_8H4PFM2EE1	123030
	1000	INA_10H3PFM2EE1	126640	INA_10H4PFM2EE1	180350
	1250	INA_12H3PFM2EE1	147960	INA_12H4PFM2EE1	196630

With Micrologic 6.0E Manual Fixed (With Embedded Energy Metering) NEW

- LED overload alarm indicator
- Measurement: Ammeter, current demand, voltages (ph-ph, ph-N & unbalance), Power (P,Q,S), power factor, power demand, Energy (Ep, Eq, Es)
- Adjustable neutral protection - N, N/2, OFF
- With ammeter display & bargraph ## (Bargraph is unique feature of Schneider MCCB)
- Zone Selective Interlocking
- Communication optional
- Individual fault indication by LED

Breaking Capacity Icu as per IEC 60947-2	Rated Current [A]	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
With Direct Rotary Handle					
50kA	800	INA_8N3PFM6ED1	88990	INA_8N4PFM6ED1	113450
	1000	INA_10N3PFM6ED1	119740	INA_10N4PFM6ED1	157950
	1250	INA_12N3PFM6ED1	136530	INA_12N4PFM6ED1	190650
70kA	800	INA_8H3PFM6ED1	115720	INA_8H4PFM6ED1	138120
	1000	INA_10H3PFM6ED1	141730	INA_10H4PFM6ED1	195440
	1250	INA_12H3PFM6ED1	163000	INA_12H4PFM6ED1	211720
With Extended Rotary Handle					
50kA	800	INA_8N3PFM6EE1	94450	INA_8N4PFM6EE1	115260
	1000	INA_10N3PFM6EE1	121690	INA_10N4PFM6EE1	159800
	1250	INA_12N3PFM6EE1	138430	INA_12N4PFM6EE1	192560
70kA	800	INA_8H3PFM6EE1	109950	INA_8H4PFM6EE1	140080
	1000	INA_10H3PFM6EE1	143580	INA_10H4PFM6EE1	197350
	1250	INA_12H3PFM6EE1	164950	INA_12H4PFM6EE1	213570

Remarks: Trip Unit Micrologic 6.0.A

Parameter	Description	Setting
Ir	Adjustable Overload Current	0.4 - 1 x In
tr	Adjustable Overload time delay	0.5 - 24 sec
Isd	Adjustable Short Circuit Current	1.5 - 10 x Ir
tsd	Adjustable Short Circuit time delay	0.1 - 0.4sec & OFF (I ² t ON/OFF)
Ii	Adjustable Instantaneous Current	2 - 15 x In & OFF
Ig	Adjustable Earth Fault Current	0.2 - In (for <1250A) / 500 - 1200A (for >=1250A)
tg	Adjustable Earth Fault time delay	0.1 - 0.4sec & OFF (I ² t ON/OFF)

Display shows readings of I1, I2, I3, In & Earth Fault Current Value. Also Maximeters of Three Phase Currents are stored & displayed. LED bargraph shows the % loading on each phase

Note: For above MCCB with trip unit Micrologic 5.0, 5.0A, 5.0P, 6.0P and MCCB with higher breaking capacities, contact our nearest Sales Office
Functionality of all the above Micrologic is same as that of Masterpact NT/NW ACB.

With Micrologic Trip Units (Common for ACBs & MCCBs) - Unique Feature of Schneider Electric devices



- Single frame size from 630b to 1600A
- Unique common auxiliary switches from 100A to 1600A.
- Typical design of Shunt, Closing & U/V coil for NS>=630A MCCB & Masterpact ACB
- Breaking Capacity as high as 150kA
- Category B MCCBs

With Micrologic 2.0 Electrical Fixed

- LED overload alarm indicator
- Test Facility
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCBs
- Adjustable overload (Ir) 0.4 - 1 x In
- Short circuit (instantaneous) 1.5 - 10 x Ir

Breaking Capacity Icu as per IEC 60947-2	Rated Current [A]	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
For Control Voltage 220/240V AC					
50kA	800	INA_3P93280_20	103880	INA_4P93284_20	117990
	1000	INA_3P93290_20	122260	INA_4P93294_20	159700
	1250	INA_3P93300_20	138690	INA_4P93304_20	191790
70kA	800	INA_3P93281_20	118300	INA_4P93285_20	140340
	1000	INA_3P93291_20	143790	INA_4P93295_20	196520
	1250	INA_3P93301_20	164700	INA_4P93305_20	212440
For Control Voltage 415V AC					
50kA	800	INA_3P93280_40	103880	INA_4P93284_40	117990
	1000	INA_3P93290_40	122260	INA_4P93294_40	159700
	1250	INA_3P93300_40	138690	INA_4P93304_40	191790
70kA	800	INA_3P93281_40	118300	INA_4P93285_40	140340
	1000	INA_3P93291_40	143790	INA_4P93295_40	196520
	1250	INA_3P93301_40	164700	INA_4P93305_40	212440

With Micrologic 6.0.A Electrical Fixed

- LED overload alarm indicator
- Test Facility
- Adjustable neutral protection - N, N/2, OFF
- With ammeter display & bargraph ## (Bargraph is unique feature of Schneider MCCB)
- Zone Selective Interlocking
- Communication optional
- Individual fault indication by LED

Breaking Capacity Icu as per IEC 60947-2	Rated Current [A]	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
For Control Voltage 220/240V AC					
50kA	800	INA_3P96280_20	130810	INA_4P96284_20	150740
	1000	INA_3P96290_20	149200	INA_4P96294_20	186640
	1250	INA_3P96300_20	165620	INA_4P96304_20	218720
70kA	800	INA_3P96281_20	145230	INA_4P96285_20	167270
	1000	INA_3P96291_20	170720	INA_4P96295_20	223460
	1250	INA_3P96301_20	191630	INA_4P96305_20	239370
For Control Voltage 415V AC					
50kA	800	INA_3P96280_40	130810	INA_4P96284_40	150740
	1000	INA_3P96290_40	149200	INA_4P96294_40	186640
	1250	INA_3P96300_40	165620	INA_4P96304_40	218720
70kA	800	INA_3P96281_40	145230	INA_4P96285_40	167270
	1000	INA_3P96291_40	170720	INA_4P96295_40	223460
	1250	INA_3P96301_40	191630	INA_4P96305_40	239370

Remarks: Trip Unit Micrologic 6.0.A

Parameter	Description	Setting
Ir	Adjustable Overload Current	0.4 - 1 x In
tr	Adjustable Overload time delay	0.5 - 24 sec
Isd	Adjustable Short Circuit Current	1.5 - 10 x Ir
tsd	Adjustable Short Circuit time delay	0.1 - 0.4sec & OFF (I ² t ON/OFF)
Ii	Adjustable Instantaneous Current	2 - 15 x In & OFF
Ig	Adjustable Earth Fault Current	0.2 - In (for <1250A) / 500 - 1200A (for >=1250A)
tg	Adjustable Earth Fault time delay	0.1 - 0.4sec & OFF (I ² t ON/OFF)

Display shows Readings of I1, I2, I3, In & Earth Fault Current Value. Also Maximeters of Three Phase Currents are stored & displayed.
LED bargraph shows the % loading on each phase

Note: For above MCCB with trip unit Micrologic 5.0, 5.0A, 5.0P, 6.0P and MCCB with higher breaking capacities, contact our nearest Sales Office
Functionality of all the above Micrologic is same as that of Masterpact NT/NW ACB.

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

With Micrologic Trip Units (Common for ACBs & MCCBs) - Unique Feature of Schneider Electric devices



- Single frame size from 630b to 1600A
- Unique common auxiliary switches from 100A to 1600A.
- Typical design of Shunt, Closing & U/V coil for NS>=630A MCCB & Masterpact ACB
- Breaking Capacity as high as 150kA
- Category B MCCBs

With Micrologic 2.0E Electrical Fixed (With Embedded Energy Metering) NEW

- LED overload alarm indicator
- Measurement: Ammeter, current demand, voltages (ph-ph, ph-N & unbalance), Power (P,Q,S), power factor, power demand, Energy (Ep, Eq, Es)
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCBs
- Adjustable overload (Ir) 0.4 - 1 x In
- Short circuit (instantaneous) 1.5 - 10 x Ir

Breaking Capacity Icu as per IEC 60947-2	Rated Current [A]	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
For Control Voltage 220/240V AC					
50kA	800	INA_8N3PFE2E0120	124060	INA_8N4PFE2E0120	144350
	1000	INA_10N3PFE2E0120	142710	INA_10N4PFE2E0120	180920
	1250	INA_12N3PFE2E0120	159500	INA_12N4PFE2E0120	213620
70kA	800	INA_8H3PFE2E0120	138690	INA_8H4PFE2E0120	161140
	1000	INA_10H3PFE2E0120	164700	INA_10H4PFE2E0120	218410
	1250	INA_12H3PFE2E0120	185970	INA_12H4PFE2E0120	234630
For Control Voltage 415V AC					
50kA	800	INA_8N3PFE2E0140	124060	INA_8N4PFE2E0140	144350
	1000	INA_10N3PFE2E0140	142710	INA_10N4PFE2E0140	180920
	1250	INA_12N3PFE2E0140	159500	INA_12N4PFE2E0140	213620
70kA	800	INA_8H3PFE2E0140	138690	INA_8H4PFE2E0140	161140
	1000	INA_10H3PFE2E0140	164700	INA_10H4PFE2E0140	218410
	1250	INA_12H3PFE2E0140	185970	INA_12H4PFE2E0140	234630

With Micrologic 6.0E Electrical Fixed (With Embedded Energy Metering) NEW

- LED overload alarm indicator
- Measurement: Ammeter, current demand, voltages (ph-ph, ph-N, unbalance), Power (P,Q,S), power factor, power demand, Energy (Ep,Eq,Es)
- Adjustable neutral protection - N, N/2, OFF
- With ammeter display & bargraph ## (Bargraph is unique feature of Schneider MCCB)
- Zone Selective Interlocking
- Communication optional
- Individual fault indication by LED

Breaking Capacity Icu as per IEC 60947-2	Rated Current [A]	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
For Control Voltage 220/240V AC					
50kA	800	INA_8N3PFE6E0120	141010	INA_8N4PFE6E0120	161350
	1000	INA_10N3PFE6E0120	159750	INA_10N4PFE6E0120	197860
	1250	INA_12N3PFE6E0120	176490	INA_12N4PFE6E0120	230620
70kA	800	INA_8H3PFE6E0120	155740	INA_8H4PFE6E0120	178140
	1000	INA_10H3PFE6E0120	181690	INA_10H4PFE6E0120	235410
	1250	INA_12H3PFE6E0120	203010	INA_12H4PFE6E0120	251680
For Control Voltage 415V AC					
50kA	800	INA_8N3PFE6E0140	141010	INA_8N4PFE6E0140	161350
	1000	INA_10N3PFE6E0140	159750	INA_10N4PFE6E0140	197860
	1250	INA_12N3PFE6E0140	176490	INA_12N4PFE6E0140	230620
70kA	800	INA_8H3PFE6E0140	155740	INA_8H4PFE6E0140	178140
	1000	INA_10H3PFE6E0140	181690	INA_10H4PFE6E0140	235410
	1250	INA_12H3PFE6E0140	203010	INA_12H4PFE6E0140	251680

Remarks: Trip Unit Micrologic 6.0.A

Parameter	Description	Setting
Ir	Adjustable Overload Current	0.4 - 1 x In
tr	Adjustable Overload time delay	0.5 - 24 sec
Isd	Adjustable Short Circuit Current	1.5 - 10 x Ir
tsd	Adjustable Short Circuit time delay	0.1 - 0.4sec & OFF (I ² t ON/OFF)
li	Adjustable Instantaneous Current	2 - 15 x In & OFF
Ig	Adjustable Earth Fault Current	0.2 - In (for <1250A) / 500 - 1200A (for >=1250A)
tg	Adjustable Earth Fault time delay	0.1 - 0.4sec & OFF (I ² t ON/OFF)

Display shows Readings of I1, I2, I3, In & Earth Fault Current Value. Also Maximeters of Three Phase Currents are stored & displayed. LED bargraph shows the % loading on each phase

Note: For above MCCB with trip unit Micrologic 5.0, 5.0A, 5.0P, 6.0P and MCCB with higher breaking capacities, contact our nearest Sales Office
Functionality of all the above Micrologic is same as that of Masterpact NT/NW ACB.

NORMAL STOCK ITEMS

W.E.F. December 19, 2014

For Compact NS630b - 1600A

Type	Voltage	Shunt Release Reference	Unit MRP [₹]	Undervoltage Reference	Unit MRP [₹]
Voltage Releases					
AC 50/60 Hz	24 V	33659	5300	33668	5500
	48 V	33660		33669	
	110-130 V	33661 <input checked="" type="checkbox"/>		33670	
	220-240 V	33662 <input checked="" type="checkbox"/>		33671 <input checked="" type="checkbox"/>	
	380-415 V	33664		33673 <input checked="" type="checkbox"/>	
DC	24 V	33659	5300	33668	5500
	48 V	33660		33669	
	125 V	33661 <input checked="" type="checkbox"/>		33670	
	250 V	33662 <input checked="" type="checkbox"/>		33671 <input checked="" type="checkbox"/>	
Description				NS630b to 1600 Reference	Unit MRP [₹]
Spreaders (Set of 3) 3P				33622 <input checked="" type="checkbox"/>	8200
Spreaders (Set of 4) 4P				33623 <input checked="" type="checkbox"/>	10200



Interpact INS-INV Range becomes Compact-INS and Compact-INV Range.

For Low Voltage Circuit Control and Isolation - Incomers for Distribution Boards

- Conforms to IEC 60947-3/IS 13947 - 3
- Rated operational voltages 500V/690V
- Rated operational current @ AC 23A
- No deration upto 60° C
- Positive contact indication
- Common accessories with Compact NSX/single auxiliary contact
- Making capacity enhanced with Compact NSX upstream

Pole Description	Rated Operational Current	Reference	Unit MRP [₹]
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Interpact Range of Switch Disconnectors

3-Pole	40 AAC-23A	28900	3960
	63 AAC-23A	28902	4870
	100 AAC-23A	28908	5730
	125 AAC-23A	28910	6140
	160 AAC-23A	28912	6950
	200 AAC-23A	31102	11770
	250 AAC-23A	31106	12430
	320 AAC-23A	31108	20250
	400 AAC-23A	31110	23040
630 AAC-23A	31114	23700	
4-Pole	40 AAC-23A	28901	4420
	63 AAC-23A	28903	5230
	100 AAC-23A	28909	6140
	125 AAC-23A	28911	6850
	160 AAC-23A	28913	7560
	200 AAC-23A	31103	13140
	250 AAC-23A	31107	13800
	320 AAC-23A	31109	23450
	400 AAC-23A	31111	24210
630 AAC-23A	31115	27400	

Interpact Changeover Systems (complete assembly)

3-Pole	100 AAC-23A	31140	33190
	160 AAC-23A	31144	36130
	200 AAC-23A	31142	39740
	250 AAC-23A	31146	40850
	320 AAC-23A	31148	67550
	400 AAC-23A	31150	72120
4-Pole	630 AAC-23A	31154	77040
	100 AAC-23A	31141	37860
	160 AAC-23A	31145	41410
	200 AAC-23A	31143	46890
	250 AAC-23A	31147	48520
	320 AAC-23A	31149	73690
	400 AAC-23A	31151	79880
630 AAC-23A	31155	87090	

Description	Reference	Unit MRP [₹]
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Accessories

Optional front extended rotary handle INS 250 - black handle (Switch Disconnector)	LV431050	3450
Optional front extended rotary handle INS 320..630 - black handle (Switch Disconnector)	31052	4890
Optional front extended rotary handle INS 40..160 - black handle (Switch Disconnector)	LV428941	1750
6 phase separators - INS100..160	28959	720
6 phase separators - INS250	29329	720
6 phase separators - INS400..630	LV432570	720

- Complete Range from 32 to 630A in TP, TP+N & FP version suitable for DIN/BS fuses.
- 4 breaks and 8 arcing points
- IP20 Fuse Protection Cover is standard
- Higher Mechanical and Electrical life.

Without Enclosure

Rated Operational Current	Poles Description	DIN Type Reference	Unit MRP [₹]	BS Type Reference	Unit MRP [₹]
32 A	3P + N	NX032TPNDI <input checked="" type="checkbox"/>	2230	NX032TPNBS <input checked="" type="checkbox"/>	2230
63 A	3P + N	NX063TPNDI <input checked="" type="checkbox"/>	2940	NX063TPNBS <input checked="" type="checkbox"/>	2940
80 A	3P + N	NX080TPNDI <input checked="" type="checkbox"/>	5620	NX080TPNBS <input checked="" type="checkbox"/>	5350
100 A	3P	NX100TPXDI	6090	NX100TPXBS	6090
	3P + N	NX100TPNDI <input checked="" type="checkbox"/>	6390	NX100TPNBS	6390
	4P	NX100FPXDI	6500	NX100FPXBS	7100
125 A	3P	NX125TPXDI <input checked="" type="checkbox"/>	7100	NX125TPXBS	7100
	3P + N	NX125TPNDI <input checked="" type="checkbox"/>	7820	NX125TPNBS <input checked="" type="checkbox"/>	7820
	4P	NX125FPXDI	8630	NX125FPXBS	8530
160 A	3P	NX160TPXDI	7820	NX160TPXBS	7100
	3P + N	NX160TPNDI <input checked="" type="checkbox"/>	8530	NX160TPNBS <input checked="" type="checkbox"/>	8120
	4P	NX160FPXDI	9640	NX160FPXBS	9140
200 A	3P	NX200TPXDI	10350	NX200TPXBS	8120
	3P + N	NX200TPNDI <input checked="" type="checkbox"/>	10960	NX200TPNBS	9740
	4P	NX200FPXDI	12380	NX200FPXBS	10150
250 A	3P	NX250TPXDI	12690	NX250TPXBS	12690
	3P + N	NX250TPNDI <input checked="" type="checkbox"/>	13190	NX250TPNBS <input checked="" type="checkbox"/>	12790
	4P	NX250FPXDI	15220	NX250FPXBS	16240
315 A	3P	NX315TPXDI	15940	NX315TPXBS	12380
	3P + N	NX315TPNDI <input checked="" type="checkbox"/>	16340	NX315TPNBS	16240
	4P	NX315FPXDI	17760	NX315FPXBS	18270
400 A	3P	NX400TPXDI	21310	NX400TPXBS	20300
	3P + N	NX400TPNDI <input checked="" type="checkbox"/>	22330	NX400TPNBS	21310
	4P	NX400FPXDI	26390	NX400FPXBS	25370
630 A	3P	NX630TPXDI	31460	NX630TPXBS	26390
	3P + N	NX630TPNDI <input checked="" type="checkbox"/>	32480	NX630TPNBS	32480
	4P	NX630FPXDI	35530	NX630FPXBS	36540

With Enclosure Ref. DIN Type

Rated Operational Current	Poles Description	Reference	Unit MRP [₹]
32 A	3P + N	NX032TPNDIE	4870
63 A	3P + N	NX063TPNDIE	5680
80 A	3P + N	NX080TPNDIE	8260
100 A	3P + N	NX100TPNDIE	9340
125 A	3P + N	NX125TPNDIE	11160
160 A	3P + N	NX160TPNDIE	11980
200 A	3P + N	NX200TPNDIE	15220
250 A	3P + N	NX250TPNDIE	18070
315 A	3P + N	NX315TPNDIE	21520
400 A	3P + N	NX400TPNDIE	25170
630 A	3P + N	NX630TPNDIE	38570

Note: For Fuses, please contact our nearest Sales Office.

Accessories/Spares

Description	Reference	Unit MRP [₹]
NX032/NX063/NX080		
Auxiliary contact for Fupact	NXAA11 <input checked="" type="checkbox"/>	460
Fuse holder for DIN NX032...NX080	NXHD1	190
Handle operating mechanism (HOM) NX032...NX080	NXR1	370
HOM shaft for NX/32/63/80	NXRS1	210
NX100/NX125/NX160		
Auxiliary contact for Fupact	NXBA11 <input checked="" type="checkbox"/>	540
Fuse holder DIN for BS type NX100...NX160	NXHB21	180
Fuse holder DIN for NX100...NX160	NXHD21	190
Handle operating mechanism NX100...NX160	NXR2 <input checked="" type="checkbox"/>	780
Shaft for HOM for NX100...NX160	NXRS2	210
NX200		
Auxiliary contact for Fupact	NXBA11 <input checked="" type="checkbox"/>	540
Fuse holder for BS type NX200	NXHB22	180
Fuse holder for DIN NX200	NXHD22	230
Handle operating mechanism NX200	NXR2 <input checked="" type="checkbox"/>	780
Shaft for HOM for NX200	NXRS2A	270
NX250/315/400		
Auxiliary contact for Fupact	NXBA11 <input checked="" type="checkbox"/>	540
Handle operating mechanism for NX250...NX400	NXR3	780
Shaft for HOM for NX250...NX400	NXRS3	270
NX250/315/400		
Auxiliary contact for Fupact	NXBA11 <input checked="" type="checkbox"/>	540
Handle operating mechanism for NX630	NXR4	830
Shaft for HOM for NX630	NXRS4	270

Type 2 Co-ordination Table With Fuse

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

Type 2 Co-ordination Table Fuseless (DOL Starter)

- Standard : IEC 60947-4-1
- Short Circuit Protection Device type: MCCB
- Performance «Iq» (kA) : 50kA
- Operational Voltage (Ue) : 415VAC / 50Hz

Motor rating kW	FLC I(A) 415V	Ie max	Circuit Breaker Type	Rated current (A)	Setting	I _{rm} (A)	Contacteur Type	Thermal Relay Type	Thermal range I _{rt} h	I _q kA	I _r kA
0.37	1.1	1.6	CVS100-MA	2.5	6..13	22.5	LC1E09	LRE06 ⁽³⁾	1..1.6	50	1
0.55	1.5	1.6	CVS100-MA	2.5	6..14	32.5	LC1E09	LRE06 ⁽³⁾	1..1.6	50	1
0.75	1.8	2.5	CVS100-MA	2.5	6..14	32.5	LC1E09	LRE07 ⁽³⁾	1.6..2.5	50	1
1.1	2.6	4	CVS100-MA	6.3	6..14	57	LC1E32	LRE08 ⁽³⁾	2.5..4	50	1
1.5	3.4	4	CVS100-MA	6.3	6..14	57	LC1E32	LRE08 ⁽³⁾	2.5..4	50	1
2.2	4.8	6	CVS100-MA	6.3	6..14	82	LC1E32	LRE10 ⁽³⁾	4..6	50	1
3	6.5	8	CVS100-MA	12.5	6..14	113	LC1E80	LRE12 ⁽¹⁾⁽³⁾	5.5..8	50	1
4	8.2	10	CVS100-MA	12.5	6..14	138	LC1E80	LRE14 ⁽¹⁾⁽³⁾	7..10	50	1
5.5	11	12.5	CVS100-MA	12.5	6..14	163	LC1E80	LRE16 ⁽¹⁾⁽³⁾	9..13	50	1
7.5	14	18	CVS100-MA	25	6..14	250	LC1E80	LRE21 ⁽¹⁾⁽³⁾	12..18	50	3
10	19	25	CVS100-MA	25	6..14	325	LC1E80	LRE322 ⁽²⁾⁽³⁾	17..25	50	3
11	21	25	CVS100-MA	25	6..14	325	LC1E80	LRE322 ⁽²⁾⁽³⁾	17..25	50	3
15	28	32	CVS100-MA	50	6..14	450	LC1E80	LRE353 ⁽²⁾⁽³⁾	23..32	50	3
18.5	34	40	CVS100-MA	50	6..14	550	LC1E80	LRE355 ⁽²⁾⁽³⁾	30..40	50	3
22	40	50	CVS100-MA	50	6..14	650	LC1E80	LRE357 ⁽²⁾	37..50	50	3
30	55	63	CVS100-MA	100	6..14	900	LC1E120	LRE480	51..81	50	3
37	66	100	CVS100-MA	100	6..14	1100	LC1E120	LRE481	62..99	50	5
45	80	100	CVS100-MA	100	6..14	1300	LC1E120	LRE481	62..99	50	5
55	100	135	CVS160-MA	150	9..14	1500	LC1E160	LRE482	84..135	50	5
75	135	150	CVS160-MA	150	9..14	1950	LC1E160	LRE483	124..198	50	10
90	160	185	CVS250-MA	220	9..14	2420	LC1E300	LRE484	146..234	50	10
110	200	220	CVS250-MA	220	9..14	2860	LC1E300	LRE484	146..234	50	10
132	230	265	CVS400-MA	320	6..13	3500	LC1E300	LRE485	174..279	50	10
160	270	315	CVS400-MA	320	6..13	4160	LC1E300	LRE486	208..333	50	10
200	361	400	CVS630-MA	500	6..13	5700	LC1F500	LR9-F73 79	300..500	50	18
220	380	500	CVS630-MA	500	6..13	6500	LC1F500	LR9-F73 79	300..500	50	18
250	430	500	CVS630-MA	500	6..13	6500	LC1F500	LR9-F73 79	300..500	50	18

- (1) Separate mounting with LAEB1 terminal block
 (2) Separate mounting with LAEB3 terminal block
 (3) Type 1 for O/L relay

EasyPact SPS

Standard Protection System for your electrical distribution network



800-1600A

ET2.0
Trip System

ET6G
Trip System

Microprocessor Base Trip Units



Schneider Electric Global specialist in the field of ACBs and MCCBs, introduces EasyPact SPS range of ACBs

- Single Frame size from 800-1600A
- ASIC Based Microprocessor trip unit with OL, SC & EF protection features, which offer fastest short circuit tripping time in its class
- 25 ms Short circuit tripping time ensure low let through energy increase the longevity of an electrical distribution network, cables and equipment
- Offer highest standards of safety for operator as well as Electrical distribution network
- Pollution category –III along with modular technology ensure high operating cycles without maintenance
- Simple to choose and easy to install



- All EasyPact SPS Air Circuit Breakers are equipped with terminal adaptors
- Conforms to IS/ IEC 60947-2 & 3
- Microprocessor based ET trip systems with thermal memory
- Fully rated neutral with inbuilt protection
- ET6L provides Overload, Short-circuit, Instantaneous & Earth-fault protections
- ET2B provides Overload & Short-circuit protections
- Short circuit breaking capacity 50kA @ 440V AC

Draw-out Type circuit breaker with Microprocessor based ET6G Trip Unit

Rating In (A)	3P Draw-Out Manual Reference	Unit LP [₹]	3P Draw-Out Electrical Reference	Unit LP [₹]	4P Draw-Out Manual Reference	Unit LP [₹]	4P Draw-Out Electrical Reference	Unit LP [₹]
800	SPS08F3PMW6L	133800	SPS08F3PEW6L	176400	SPS08F4PMW6L	167800	SPS08F4PEW6L	207300
1000	SPS10F3PMW6L	140200	SPS10F3PEW6L	182000	SPS10F4PMW6L	177500	SPS10F4PEW6L	217700
1250	SPS12F3PMW6L	156800	SPS12F3PEW6L	198700	SPS12F4PMW6L	200000	SPS12F4PEW6L	241400
1600	SPS16F3PMW6L	176900	SPS16F3PEW6L	218600	SPS16F4PMW6L	226400	SPS16F4PEW6L	262200

Draw-out Type circuit breaker with Microprocessor based ET2B Trip Unit

Rating In (A)	3P Draw-Out Manual Reference	Unit LP [₹]	3P Draw-Out Electrical Reference	Unit LP [₹]	4P Draw-Out Manual Reference	Unit LP [₹]	4P Draw-Out Electrical Reference	Unit LP [₹]
800	SPS08F3PMW2B	130700	SPS08F3PEW2B	171600	SPS08F4PMW2B	160500	SPS08F4PEW2B	200500
1000	SPS10F3PMW2B	136600	SPS10F3PEW2B	177300	SPS10F4PMW2B	170400	SPS10F4PEW2B	210100
1250	SPS12F3PMW2B	153800	SPS12F3PEW2B	194500	SPS12F4PMW2B	193400	SPS12F4PEW2B	232500
1600	SPS16F3PMW2B	173900	SPS16F3PEW2B	215000	SPS16F4PMW2B	217200	SPS16F4PEW2B	255600

Draw-out Type switch disconnector without protection

Rating In (A)	3P Draw-Out Manual Reference	Unit LP [₹]	3P Draw-Out Electrical Reference	Unit LP [₹]	4P Draw-Out Manual Reference	Unit LP [₹]	4P Draw-Out Electrical Reference	Unit LP [₹]
800	SPS08F3PMW0D	118300	SPS08F3PEW0D	161600	SPS08F4PMW0D	146200	SPS08F4PEW0D	180400
1000	SPS10F3PMW0D	123800	SPS10F3PEW0D	167100	SPS10F4PMW0D	156100	SPS10F4PEW0D	190600
1250	SPS12F3PMW0D	140600	SPS12F3PEW0D	183800	SPS12F4PMW0D	179400	SPS12F4PEW0D	213800
1600	SPS16F3PMW0D	160500	SPS16F3PEW0D	203700	SPS16F4PMW0D	199300	SPS16F4PEW0D	234200

Note:

All draw-out type circuit breakers will be supplied with:

- Vertical-vertical terminations.
- 1 No. Electrical fault indication Contact (SDE).
- 1 No. Auxiliary contact block (OF) with 2 C/O contacts.
- Safety shutters on Chassis & door sealing frame- Escutcheon (CDP).

- All switch disconnectors are without protection
- All electrical operated breakers are supplied with motor mechanism (MCH), closing coil (XF) and shunt release (MX).
- External Neutral CT required for highly un-balanced TP-N system has to be ordered at extra price.
- Any other accessories are optional at extra price.



- All EasyPact SPS Air Circuit Breakers are equipped with terminal adaptors
- Conforms to IS/ IEC 60947-2 & 3
- Microprocessor based ET trip systems with thermal memory
- Fully rated neutral with inbuilt protection
- ET6L provides Overload, Short-circuit, Instantaneous & Earth-fault protections
- ET2B provides Overload & Short-circuit protections
- Short circuit breaking capacity 50kA @ 440V AC

Fixed Type circuit breaker with Microprocessor based ET6G Trip Unit

Rating In (A)	3P Fixed Manual Reference	Unit LP [₹]	3P Fixed Electrical Reference	Unit LP [₹]	4P Fixed Manual Reference	Unit LP [₹]	4P Fixed Electrical Reference	Unit LP [₹]
800	SPS08F3PMF6L	103800	SPS08F3PEF6L	147000	SPS08F4PMF6L	126200	SPS08F4PEF6L	169500
1000	SPS10F3PMF6L	109300	SPS10F3PEF6L	152600	SPS10F4PMF6L	135500	SPS10F4PEF6L	178800
1250	SPS12F3PMF6L	126000	SPS12F3PEF6L	169300	SPS12F4PMF6L	157200	SPS12F4PEF6L	200500
1600	SPS16F3PMF6L	145900	SPS16F3PEF6L	189200	SPS16F4PMF6L	179700	SPS16F4PEF6L	222900

Fixed Type circuit breaker with Microprocessor based ET2B Trip Unit

Rating In (A)	3P Fixed Manual Reference	Unit LP [₹]	3P Fixed Electrical Reference	Unit LP [₹]	4P Fixed Manual Reference	Unit LP [₹]	4P Fixed Electrical Reference	Unit LP [₹]
800	SPS08F3PMF2B	93900	SPS08F3PEF2B	137100	SPS08F4PMF2B	116600	SPS08F4PEF2B	159600
1000	SPS10F3PMF2B	99400	SPS10F3PEF2B	142700	SPS10F4PMF2B	125600	SPS10F4PEF2B	168900
1250	SPS12F3PMF2B	117300	SPS12F3PEF2B	159400	SPS12F4PMF2B	147300	SPS12F4PEF2B	190600
1600	SPS16F3PMF2B	136000	SPS16F3PEF2B	179300	SPS16F4PMF2B	169800	SPS16F4PEF2B	213000

Fixed Type switch disconnector without protection

Rating In (A)	3P Fixed Manual Reference	Unit LP [₹]	3P Fixed Electrical Reference	Unit LP [₹]	4P Fixed Manual Reference	Unit LP [₹]	4P Fixed Electrical Reference	Unit LP [₹]
800	SPS08F3PMF0D	88900	SPS08F3PEF0D	132200	SPS08F4PMF0D	101500	SPS08F4PEF0D	144700
1000	SPS10F3PMF0D	94400	SPS10F3PEF0D	137700	SPS10F4PMF0D	110800	SPS10F4PEF0D	154000
1250	SPS12F3PMF0D	111200	SPS12F3PEF0D	154400	SPS12F4PMF0D	132500	SPS12F4PEF0D	175700
1600	SPS16F3PMF0D	131100	SPS16F3PEF0D	174300	SPS16F4PMF0D	154900	SPS16F4PEF0D	198200

Note:

All Fixed type circuit breakers will be supplied with:

- (i) Vertical-vertical terminations.
- (ii) 1 No. Electrical fault indication Contact (SDE).
- (iii) 1 No. Auxiliary contact block (OF) with 2 C/O contacts.

- All switch disconnectors are without protection
- All electrical operated breakers are supplied with motor mechanism (MCH), closing coil (XF) and shunt release (MX).
- External Neutral CT required for highly un-balanced TP-N system has to be ordered at extra price.
- Any other accessories are optional at extra price.

Description	Rated operational voltage	Reference	Unit MRP [₹]
Gear Motor (MCH)			
AC 50/60 Hz	100/130 V	33176	37500
	200/240 V	33177	
	277/415 V	33179	
DC	24/30 V	33185	
	48/60 V	33186	
	100/125 V	33187	
	200/250 V	33188	
Terminal Block			
For Fixed circuit breaker		47074	200
For Drawout circuit breaker		33098	
ON/OFF Indication contacts (OF) 1Part			
Changeover contact 6A	240V	47076	1100
Ready to close contact			
Changeover contact 5A	240V	47080	2600
Door interlock (VPECD)/1 part			
Right side of chassis		33172	2300

MasterPact MVS is now EasyPact MVS

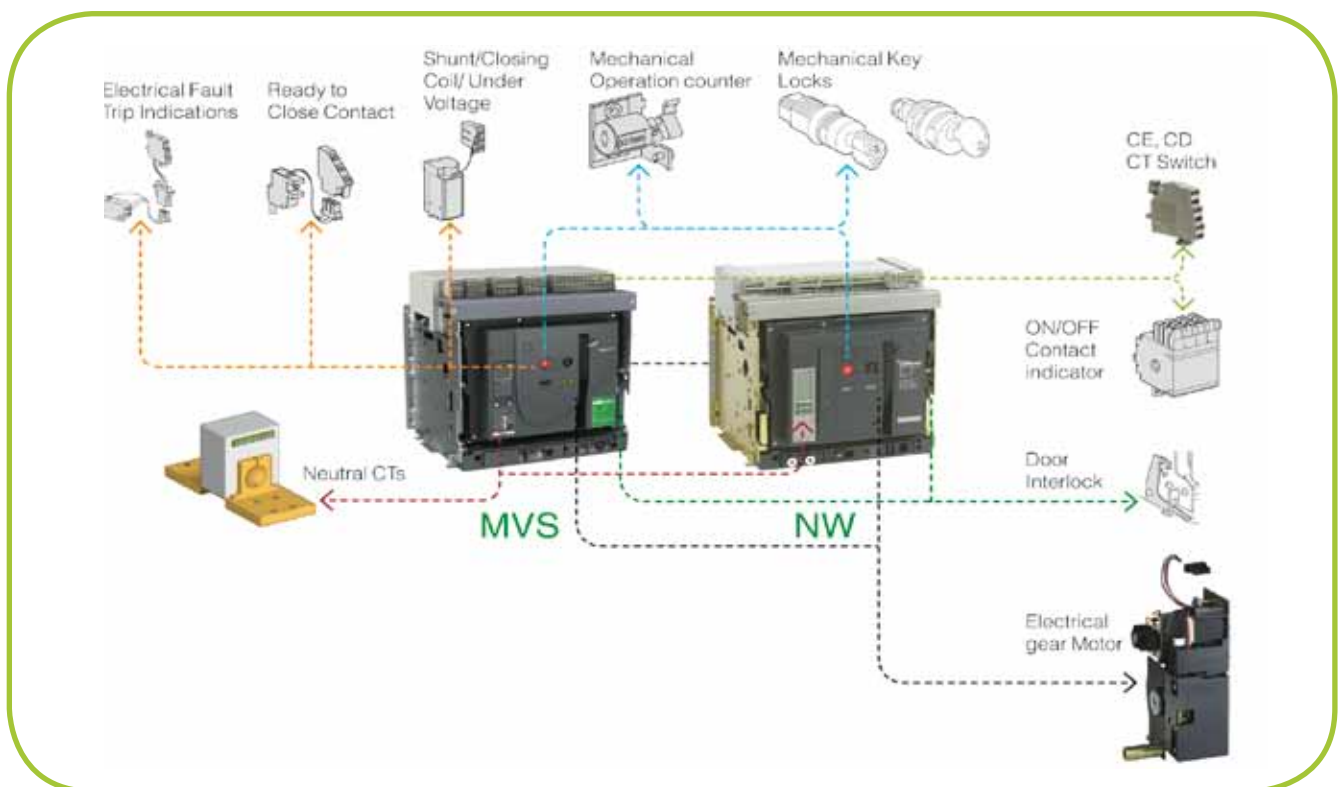


MasterPact MVS becomes Global offer as EasyPact MVS with

- Single Frame for 800A to 4000A
- Fixed, Draw out type
- Entire Range $I_{cu}=I_{cs}=I_{cw}=50kA$ for 1sec @440V.
- Suitability for applications up to 690 V
- Trip Units with built in Current and Voltage metering
- Same accessories of MasterPact NW



NW & MVS Share the same footprint of Masterpact Value System



EasyPact MVS

Selection Guide

Range	Current Rating	Type	Pole	Operating Mechanism	Installation	Protection No.	Type
EasyPact MVS (from 800 to 4000A) Icu=Ics=Icw= 50kA							
MVS	08 10 12 16 20 25 32 40	N	3 4	M N O P Q R S T	F W	2 5 6 0	L A V D

3 2 1 1 1 1 1 1 Digits used

Type
 L Basic Protection
 A Protection+ current metering
 V Protection+ voltage metering
 D Switch Disconnecter

Protection No.
 2 LI Protection
 5 LSI Protection
 6 LSI Protection
 0 No protection for switch disconnector

Type of Installation
 F Fixed
 W Withdrawable/ drawout

Operating Mechanism
 M Manually Operated ACB/SD
 N Electrical 200/240 VAC MCH + XF + MX
 O Electrical 110/130 VAC MCH + XF + MX
 P Electrical 380/415 VAC MCH + XF + MX
 Q Electrical 200/250 VDC MCH + XF + MX
 R Electrical 100/125 VDC MCH + XF + MX
 S Electrical 48/60 VDC MCH + XF + MX
 T Electrical 24/30 VDC MCH + XF + MX

Number of Poles
 3 3 Poles
 4 4 Poles

Type based on breaking capacity
 N Circuit breaker/ switch disconnector Icu=Ics=Icw (1sec)= 50kA

Current Rating
 08 800A
 10 1000A
 12 1250A
 16 1600A
 20 2000A
 25 2500A
 32 3200A
 40 4000A

Example 1: MVS32N4NW6L

MVS	32	N	4	N	W	6	L
EasyPact MVS	3200A	50kA	4 Pole	Electrical operated	Withdrawable type	LSIG Protection	Basic trip unit with LED indications

Note: In case of different coil voltages of MCH, XF, MX. Kindly contact our nearest sales office.

ET/ETA/ETV Trip System NEW

A step towards intelligent Electrical Distribution Network



		ET Trip Unit	ETA Trip Unit	ETV Trip Unit
Features	Current Metering		●	●
	Voltage Metering			●
	ZSI	●	●	●
	% Loading Bar Graph for each phase	●	●	●
	Thermal Memory	●	●	●
	Last 10 Trip History			●
Protection	2 (L, I)	2L	2A	2V
	6 (L,S,I,G)	6G	6A	6V



Additional information provided by ETV range of trip units

- Demand Current
- Demand current maximeters
- Phase to phase voltages
- Phase to neutral voltages
- Average voltage
- Voltage unbalance
- Trip History



- Conforms to IS/ IEC 60947-2 & 3
- Microprocessor based ET trip systems with thermal memory
- No derating up to 50°C
- Zone Selective Interlocking
- Fully rated neutral with inbuilt protection
- Pre trip alarm & individual fault indicating LEDs
- ET6L provides Overload, Short-circuit, Instantaneous & Earth-fault protections
- ET2L provides Overload & Short-circuit protections
- Icu=Ics=Icw(1sec) = 50kA @ 440V AC

Draw-out Type circuit breaker with Microprocessor based ET6G Trip Unit (without display)

Rating In (A)	3P Draw-Out Manual Reference	Unit LP [₹]	3P Draw-Out Electrical Reference	Unit LP [₹]	4P Draw-Out Manual Reference	Unit LP [₹]	4P Draw-Out Electrical Reference	Unit LP [₹]
800	MVS08N3MW6L	167150	MVS08N3NW6L	213000	MVS08N4MW6L	213050	MVS08N4NW6L	258900
1000	MVS10N3MW6L	182600	MVS10N3NW6L	228500	MVS10N4MW6L	230800	MVS10N4NW6L	276700
1250	MVS12N3MW6L	205300	MVS12N3NW6L	251200	MVS12N4MW6L	248200	MVS12N4NW6L	294100
1600	MVS16N3MW6L	224400	MVS16N3NW6L	270300	MVS16N4MW6L	290350	MVS16N4NW6L	336200
2000	MVS20N3MW6L	273750	MVS20N3NW6L	319600	MVS20N4MW6L	332950	MVS20N4NW6L	378800
2500	MVS25N3MW6L	332000	MVS25N3NW6L	377900	MVS25N4MW6L	407300	MVS25N4NW6L	453200
3200	MVS32N3MW6L	422400	MVS32N3NW6L	468300	MVS32N4MW6L	523000	MVS32N4NW6L	568900
4000	MVS40N3MW6L	511650	MVS40N3NW6L	557600	MVS40N4MW6L	649200	MVS40N4NW6L	695100

Draw-out Type circuit breaker with Microprocessor based ET2L Trip Unit (without display)

Rating In (A)	3P Draw-Out Manual Reference	Unit LP [₹]	3P Draw-Out Electrical Reference	Unit LP [₹]	4P Draw-Out Manual Reference	Unit LP [₹]	4P Draw-Out Electrical Reference	Unit LP [₹]
800	MVS08N3MW2L	150900	MVS08N3NW2L	196800	MVS08N4MW2L	196800	MVS08N4NW2L	242700
1000	MVS10N3MW2L	166300	MVS10N3NW2L	212200	MVS10N4MW2L	214500	MVS10N4NW2L	260400
1250	MVS12N3MW2L	189000	MVS12N3NW2L	234900	MVS12N4MW2L	231900	MVS12N4NW2L	277800
1600	MVS16N3MW2L	208100	MVS16N3NW2L	254000	MVS16N4MW2L	274100	MVS16N4NW2L	319900
2000	MVS20N3MW2L	257500	MVS20N3NW2L	303300	MVS20N4MW2L	316700	MVS20N4NW2L	362600
2500	MVS25N3MW2L	315700	MVS25N3NW2L	361600	MVS25N4MW2L	391000	MVS25N4NW2L	436900
3200	MVS32N3MW2L	406100	MVS32N3NW2L	452000	MVS32N4MW2L	506700	MVS32N4NW2L	552600
4000	MVS40N3MW2L	495400	MVS40N3NW2L	541300	MVS40N4MW2L	632900	MVS40N4NW2L	678800

Draw-out type switch disconnector without protection

Rating In (A)	3P Draw-Out Manual Reference	Unit LP [₹]	3P Draw-Out Electrical Reference	Unit LP [₹]	4P Draw-Out Manual Reference	Unit LP [₹]	4P Draw-Out Electrical Reference	Unit LP [₹]
800	MVS08N3MW0D	142600	MVS08N3NW0D	184500	MVS08N4MW0D	187550	MVS08N4NW0D	229400
1000	MVS10N3MW0D	150850	MVS10N3NW0D	191200	MVS10N4MW0D	200500	MVS10N4NW0D	242300
1250	MVS12N3MW0D	172150	MVS12N3NW0D	212100	MVS12N4MW0D	226700	MVS12N4NW0D	271900
1600	MVS16N3MW0D	198000	MVS16N3NW0D	239900	MVS16N4MW0D	255950	MVS16N4NW0D	297800
2000	MVS20N3MW0D	243800	MVS20N3NW0D	285600	MVS20N4MW0D	311450	MVS20N4NW0D	355000
2500	MVS25N3MW0D	310500	MVS25N3NW0D	356400	MVS25N4MW0D	385750	MVS25N4NW0D	431700
3200	MVS32N3MW0D	400900	MVS32N3NW0D	443000	MVS32N4MW0D	498450	MVS32N4NW0D	540300
4000	MVS40N3MW0D	490150	MVS40N3NW0D	536000	MVS40N4MW0D	627700	MVS40N4NW0D	673600

Note:

All draw-out type circuit breakers will be supplied with:

- Top and Bottom horizontal terminations.
- 1 No. Electrical fault indication Contact (SDE).
- 1 No. Auxiliary contact block (OF) with 4 C/O contacts.
- Safety shutters on Chassis & door sealing frame- Escutcheon (CDP).

- All electrical operated breakers are supplied with motor mechanism (MCH), closing coil (XF) & shunt release (MX). (Voltage ratings to be specified by customer & duly filled in ACB Order form)
- External Neutral CT required for highly un-balanced TP-N system has to be ordered at extra price.
- Any other accessories are optional at extra price.

Prices:

- The above are list prices & are inclusive of Excise duty.
- CST/ VAT/ Entry tax will be charged extra as applicable.
- For prices of fixed type circuit breakers and switch-disconnector, kindly contact our nearest Sales Office.



- Conforms to IS/ IEC 60947-2 & 3
- Microprocessor based ET trip systems with thermal memory
- No derating up to 50°C
- Zone Selective Interlocking
- Fully rated neutral with inbuilt protection
- Pre trip alarm & individual fault indicating LEDs
- ET6A provides Overload, Short-circuit, Instantaneous & Earth-fault protections with current metering
- ET2A provides Overload & Short-circuit protections with current metering
- $I_{cu}=I_{cs}=I_{cw}(1\text{sec}) = 50\text{kA} @ 440\text{V AC}$

Draw-out Type circuit breaker with Microprocessor based ET6A Trip Unit (with current metering)

Rating In (A)	3P Draw-Out Manual Reference	Unit LP [₹]	3P Draw-Out Electrical Reference	Unit LP [₹]	4P Draw-Out Manual Reference	Unit LP [₹]	4P Draw-Out Electrical Reference	Unit LP [₹]
800	MVS08N3MW6A	175900	MVS08N3NW6A	221800	MVS08N4MW6A	221800	MVS08N4NW6A	267600
1000	MVS10N3MW6A	191300	MVS10N3NW6A	237200	MVS10N4MW6A	239500	MVS10N4NW6A	285400
1250	MVS12N3MW6A	214000	MVS12N3NW6A	259900	MVS12N4MW6A	256900	MVS12N4NW6A	302800
1600	MVS16N3MW6A	233100	MVS16N3NW6A	279000	MVS16N4MW6A	299000	MVS16N4NW6A	344900
2000	MVS20N3MW6A	282500	MVS20N3NW6A	328300	MVS20N4MW6A	341700	MVS20N4NW6A	387600
2500	MVS25N3MW6A	340700	MVS25N3NW6A	386600	MVS25N4MW6A	416000	MVS25N4NW6A	461900
3200	MVS32N3MW6A	431100	MVS32N3NW6A	477000	MVS32N4MW6A	531700	MVS32N4NW6A	577600
4000	MVS40N3MW6A	520400	MVS40N3NW6A	566300	MVS40N4MW6A	657900	MVS40N4NW6A	703800

Draw-out Type circuit breaker with Microprocessor based ET2A Trip Unit (with current metering)

Rating In (A)	3P Draw-Out Manual Reference	Unit LP [₹]	3P Draw-Out Electrical Reference	Unit LP [₹]	4P Draw-Out Manual Reference	Unit LP [₹]	4P Draw-Out Electrical Reference	Unit LP [₹]
800	MVS08N3MW2A	159600	MVS08N3NW2A	205500	MVS08N4MW2A	205500	MVS08N4NW2A	251400
1000	MVS10N3MW2A	175000	MVS10N3NW2A	220900	MVS10N4MW2A	223200	MVS10N4NW2A	269100
1250	MVS12N3MW2A	197700	MVS12N3NW2A	243600	MVS12N4MW2A	240700	MVS12N4NW2A	286500
1600	MVS16N3MW2A	216800	MVS16N3NW2A	262700	MVS16N4MW2A	282800	MVS16N4NW2A	328700
2000	MVS20N3MW2A	266200	MVS20N3NW2A	312100	MVS20N4MW2A	325400	MVS20N4NW2A	371300
2500	MVS25N3MW2A	324500	MVS25N3NW2A	370300	MVS25N4MW2A	399700	MVS25N4NW2A	445600
3200	MVS32N3MW2A	414900	MVS32N3NW2A	460700	MVS32N4MW2A	515400	MVS32N4NW2A	561300
4000	MVS40N3MW2A	504100	MVS40N3NW2A	550000	MVS40N4MW2A	641700	MVS40N4NW2A	687500

Note:

All draw-out type circuit breakers will be supplied with:

- Top and Bottom horizontal terminations.
- 1 No. Electrical fault indication Contact (SDE).
- 1 No. Auxiliary contact block (OF) with 4 C/O contacts.
- Safety shutters on Chassis & door sealing frame- Escutcheon (CDP).

- All electrical operated breakers are supplied with motor mechanism (MCH), closing coil (XF) & shunt release (MX). (Voltage ratings to be specified by customer & duly filled in ACB Order form)
- External Neutral CT required for highly un-balanced TP-N system has to be ordered at extra price.
- Any other accessories are optional at extra price.

Prices:

- The above are list prices & are inclusive of Excise duty.
- CST/ VAT/ Entry tax will be charged extra as applicable.
- For prices of fixed type circuit breakers and switch-disconnector, kindly contact our nearest Sales Office.



- Conforms to IS/ IEC 60947-2 & 3
- Microprocessor based ET trip systems with thermal memory
- No derating up to 50°C
- Zone Selective Interlocking
- Fully rated neutral with inbuilt protection
- Pre trip alarm & individual fault indicating LEDs
- ET6V provides Overload, Short-circuit, Instantaneous & Earth-fault protections with current and voltage metering
- ET2V provides Overload & Short-circuit protections with current voltage metering
- Icu=Ics=Icw(1sec) = 50kA @ 440V AC

Draw-out Type circuit breaker with Microprocessor based ET6V Trip Unit (with voltage metering)

Rating In (A)	3P Draw-Out Manual Reference	Unit LP [₹]	3P Draw-Out Electrical Reference	Unit LP [₹]	4P Draw-Out Manual Reference	Unit LP [₹]	4P Draw-Out Electrical Reference	Unit LP [₹]
800	MVS08N3MW6V	184050	MVS08N3NW6V	230000	MVS08N4MW6V	229950	MVS08N4NW6V	275800
1000	MVS10N3MW6V	199500	MVS10N3NW6V	245400	MVS10N4MW6V	247700	MVS10N4NW6V	293600
1250	MVS12N3MW6V	222200	MVS12N3NW6V	268100	MVS12N4MW6V	265150	MVS12N4NW6V	311000
1600	MVS16N3MW6V	241300	MVS16N3NW6V	287200	MVS16N4MW6V	307250	MVS16N4NW6V	353100
2000	MVS20N3MW6V	290650	MVS20N3NW6V	336500	MVS20N4MW6V	349850	MVS20N4NW6V	395700
2500	MVS25N3MW6V	348900	MVS25N3NW6V	394800	MVS25N4MW6V	424200	MVS25N4NW6V	470100
3200	MVS32N3MW6V	439300	MVS32N3NW6V	485200	MVS32N4MW6V	539900	MVS32N4NW6V	585800
4000	MVS40N3MW6V	528550	MVS40N3NW6V	574500	MVS40N4MW6V	666100	MVS40N4NW6V	712000

Draw-out Type circuit breaker with Microprocessor based ET2V Trip Unit (with voltage metering)

Rating In (A)	3P Draw-Out Manual Reference	Unit LP [₹]	3P Draw-Out Electrical Reference	Unit LP [₹]	4P Draw-Out Manual Reference	Unit LP [₹]	4P Draw-Out Electrical Reference	Unit LP [₹]
800	MVS08N3MW2V	167800	MVS08N3NW2V	213700	MVS08N4MW2V	213700	MVS08N4NW2V	259600
1000	MVS10N3MW2V	183200	MVS10N3NW2V	229100	MVS10N4MW2V	231400	MVS10N4NW2V	277300
1250	MVS12N3MW2V	205900	MVS12N3NW2V	251800	MVS12N4MW2V	248900	MVS12N4NW2V	294700
1600	MVS16N3MW2V	225000	MVS16N3NW2V	270900	MVS16N4MW2V	291000	MVS16N4NW2V	336800
2000	MVS20N3MW2V	274400	MVS20N3NW2V	320300	MVS20N4MW2V	333600	MVS20N4NW2V	379500
2500	MVS25N3MW2V	332600	MVS25N3NW2V	378500	MVS25N4MW2V	407900	MVS25N4NW2V	453800
3200	MVS32N3MW2V	423000	MVS32N3NW2V	468900	MVS32N4MW2V	523600	MVS32N4NW2V	569500
4000	MVS40N3MW2V	512300	MVS40N3NW2V	558200	MVS40N4MW2V	649800	MVS40N4NW2V	695700

Note:

All draw-out type circuit breakers will be supplied with:

- Top and Bottom horizontal terminations.
- 1 No. Electrical fault indication Contact (SDE).
- 1 No. Auxiliary contact block (OF) with 4 C/O contacts.
- Safety shutters on Chassis & door sealing frame- Escutcheon (CDP).

- All electrical operated breakers are supplied with motor mechanism (MCH), closing coil (XF) & shunt release (MX). (Voltage ratings to be specified by customer & duly filled in ACB Order form)
- External Neutral CT required for highly un-balanced TP-N system has to be ordered at extra price.
- Any other accessories are optional at extra price.

Prices:

- The above are list prices & are inclusive of Excise duty.
- CST/ VAT/ Entry tax will be charged extra as applicable.
- For prices of fixed type circuit breakers and switch-disconnector, kindly contact our nearest Sales Office.

Description	Rated Operational Voltage	Reference	Unit MRP [₹]
Gear Motor (MCH)			
AC 50/60 Hz	100/130 V	47893	37500
	200/240 V	47894 <input checked="" type="checkbox"/>	
	380/415 V	47896	
DC	24/30 V	47888	
	48/60 V	47889	
	100/125 V	47890	
	200/250 V	47891	
Closing Release (XF)			
AC 50/60 Hz DC	24/30 V DC	33659	5300
	48/60 V DC	33660	
	100/130 V AC/DC	33661 <input checked="" type="checkbox"/>	
	200/250 V AC/DC	33662 <input checked="" type="checkbox"/>	
	380/480 V AC	33664	
Opening Release (MX)			
AC 50/60 Hz DC	24/30 V DC, 24 V AC	33659	5300
	48/60 V DC, 48 V AC	33660	
	100/130 V AC/DC	MVS15511 <input checked="" type="checkbox"/>	
	200/250 V AC/DC	MVS15512 <input checked="" type="checkbox"/>	
	380/480 V AC	MVS15513 <input checked="" type="checkbox"/>	
Terminal Block			
For drawout circuit breaker		47849	200
Under Voltage Release (MN)			
AC 50/60 Hz DC	24/30 V DC, 24 V AC	33668	5500
	48/60 V DC, 48 V AC	33669	
	100/130 V AC/DC	33670 <input checked="" type="checkbox"/>	
	200/250 V AC/DC	33671 <input checked="" type="checkbox"/>	
	380/480 V AC	33673 <input checked="" type="checkbox"/>	
MN Delay Unit			
AC 50/60 Hz DC	48/60 V AC/DC	33680	7900
	100/130 V AC/DC	33681	
	200/250 V AC/DC	33682	
	380/480 V AC/DC	33683	
	100/130 V AC/DC	33684	7400
	200/250 V AC/DC	33685 <input checked="" type="checkbox"/>	
ON/OFF Indication Contacts (Additional OF contact)			
1 additional block of 4 contacts		47887	4800
Door Interlock (VPECD)/1 part			
On right hand side of chassis		47914 <input checked="" type="checkbox"/>	2600
Operation Counter			
Operation Counter CDM		48535	7450

Masterpact NT and NW



- 630A to 6300A
- Breaking Capacity upto 150kA
- Fixed, Draw out type
- Solution for 690V and 1000V
- Earthing switch version
- DC Circuit Breaker version
- Built-in energy metering (1.5% accuracy class)
- Smart Integration over Communication Network
- Total Discrimination

3 sizes



Masterpact NT 630 to 1600A



Masterpact NW 800 to 4000A



Masterpact NW 4000 to 6300A



Micrologic E Micrologic P Micrologic H

L1 150kA	■	■	■		
H2 50kA	■	■	■	■	■
H1 42kA	■	■	■	■	■
	NT 06	NT 08	NT 10	NT 12	NT 16

L1 150kA	■	■	■	■	■			
H3 150kA		■	■	■	■			
H2 100kA	■	■	■	■	■	■	■	
H1 65kA	■	■	■	■	■	■	■	
N1 42kA	■	■	■	■				
	NW08	NW10	NW12	NW16	NW20	NW25	NW32	NW40

H2 150kA	■	■	■
H1 100kA	■	■	■
	NW 40b	NW 50	NW 63

Masterpact NT and NW

Selection Guide

Range	Current Rating	Type	Pole	Operating Mechanism	Installation	Protection No.	Type
NW	06	N1	3P	M	F	2.0	E
NT	08	H1	4P	E	DO	5.0	P
	10	H2				6.0	H
	12	H3				7.0	-
	16	H10				0	-
	20	L1					
	25	NA					
	32	HA					
	40	HF					
	40b	HA10					
	50						
63							

Range	Current Rating	Type	Pole	Operating Mechanism	Installation	Protection No.	Type
							Type E Energy Parameters P Power Parameters H Harmonics Parameters - Switch Disconnecter
							Protection No. 2.0 LI Protection 5.0 LSI Protection 6.0 LSIG Protection 7.0 LSIV Protection 0 No protection for switch disconnecter
							Type of Installation F Fixed DO Drawout
							Operating Mechanism M Manually Operated ACB/SD E Electrically Operated MCH + XF + MX
							Number of Poles 3P 3 Poles 4P 4 Poles
							Breaking Capacity N1 42kA (in NW only upto 1600A) H1 42kA (in NT) and 65kA (in NW) H2 50kA (in NT) and 100kA (in NW upto 4000A, frame 1) H3 150kA (in NW upto 4000A, frame 1) H10 available for 1000V NT and NW (upto 4000A, frame 1) L1 150kA current limiting breaker (upto 1000A in NT and upto 2000A in NW) NA Switch disconnecter upto 1600A in NW HA Switch disconnecter upto 1600A in NW and NT HF Switch disconnecter upto 4000A in NW HA10 Switch disconnecter for 1000V NT
							Current Rating 06 630A Available in NT 08 800A Available in NT and NW 10 1000A Available in NT and NW 12 1250A Available in NT and NW 16 1600A Available in NT and NW 20 2000A Available in NW 25 2500A Available in NW 32 3200A Available in NW 40 4000A Available in NW 40b 4000A Available in NW 50 5000A Available in NW 63 6300A Available in NW

Example 1: **NW32H14PEDO6.0E**

NW	32	H1	4P	E	DO	6.0	E
Masterpact NW	3200A	65kA	4 Pole	Electrical operated	Drawout	LSIG Protection	Trip unit with Energy Metering

Example 2: **NT08H13PMF6.0P**

NT	08	H1	3P	M	F	6.0	P
Masterpact NT	800A	42kA	3 Pole	Manually operated	Fixed	LSIG Protection	Trip unit with Power Metering

Micrologic trip system Overview of functions

Micrologic name codes

2.0 E
X Y Z

X: type of protection

- 2 for basic protection
- 5 for selective protection
- 6 for selective + earth-fault protection
- 7 for selective + earth-leakage protection.

Y: control-unit generation

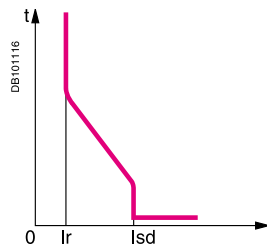
Identification of the control-unit generation.
"0" signifies the first generation.

Z: type of measurement

- E for "Energy"
- P for "power meter"
- H for "harmonic meter".

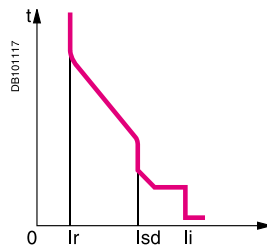
Current protection

Micrologic 2: basic protection



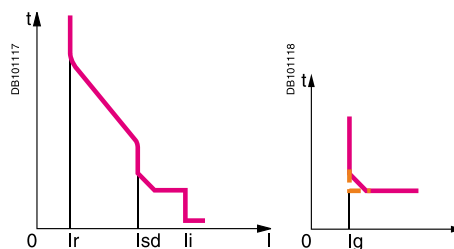
Protection:
long time
+ instantaneous

Micrologic 5: basic protection



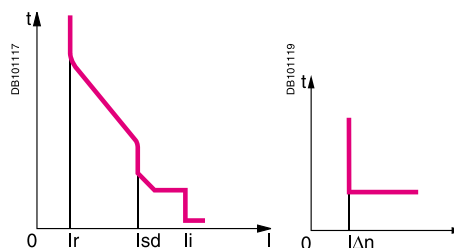
Protection:
long time
+ short time
+ instantaneous

Micrologic 6: selective + earth-fault protection



Protection:
long time
+ short time
+ instantaneous
+ earth fault

Micrologic 7: selective + earth-leakage protection



Protection:
long time
+ short time
+ instantaneous
+ earth leakage up to 3200A

Measurements and programmable protection

E: Energy

- $I_1, I_2, I_3, I_N, I_{\text{earth-fault}}, I_{\text{earth-leakage}}$ and maximeter for these measurements
- fault indications
- settings in amperes and in seconds.
- calculates the current demand value
- "Quickview" function for the automatic cyclical display of the most useful values (as standard or by selection).

P: E + power meter + programmable protection

- measurements of V, A, W, VAR, VA, Wh, VARh, VAh, Hz, $V_{\text{peak}}, A_{\text{peak}}$, power factor and maximeters and minimeters
- IDMTL long-time protection, minimum and maximum voltage and frequency, voltage and current imbalance, phase sequence, reverse power
- load shedding and reconnection depending on power or current
- measurements of interrupted currents, differentiated fault indications, maintenance indications, event histories and time-stamping, etc.

H: P + harmonics

- power quality: fundamentals, distortion, amplitude and phase of harmonics up to the 31st order
- waveform capture after fault, alarm or on request
- enhanced alarm programming: thresholds and actions.




Micrologic E

Energy efficiency, now within your reach



Micrologic E is a new optimized and affordable trip unit to democratize Energy Efficiency in the high power breakers

Micrologic E control unit across facility can easily help gather, analyze and report data to reveal opportunities, to drive energy efficient behaviour and validate savings from equipment upgrade or process changes.

				
		E 'Energy'	P 'Power'	H 'Harmonics'
Measurement	Current , maximeter	●	●	●
	Voltage, PF, Power, demand, energy	●	●	●
	Cos-φ, frequency, per phase, advanced protection		●	●
	Harmonics, waveform capture, enhanced alarms			●
Protection	2 (L, I)	2.0 E		
	5 (L, S, I)	5.0 E	5.0 P	5.0 H
	6 (L, S, I,G)	6.0 E	6.0 P	6.0 H
	7 (L, S, I, V)		7.0 P	7.0 H

ATS Kit

Suitable for Masterpact NT/ NW ACB

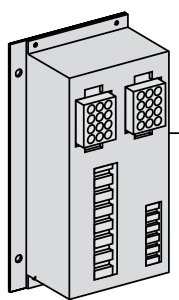
This Kit comprises of :

- > Adaptation fixture & set of two cables for mechanical interlocking
- > IVE unit for Electrical Interlocking
- > ACP control Plate
- > UA/BA controller

*Note: For ATS with Masterpact NT/NW ACB, order 2 nos. of ACB's with ready to close PF contact + 1 no. ATS Kit



ACP unit



IVE unit



Controller

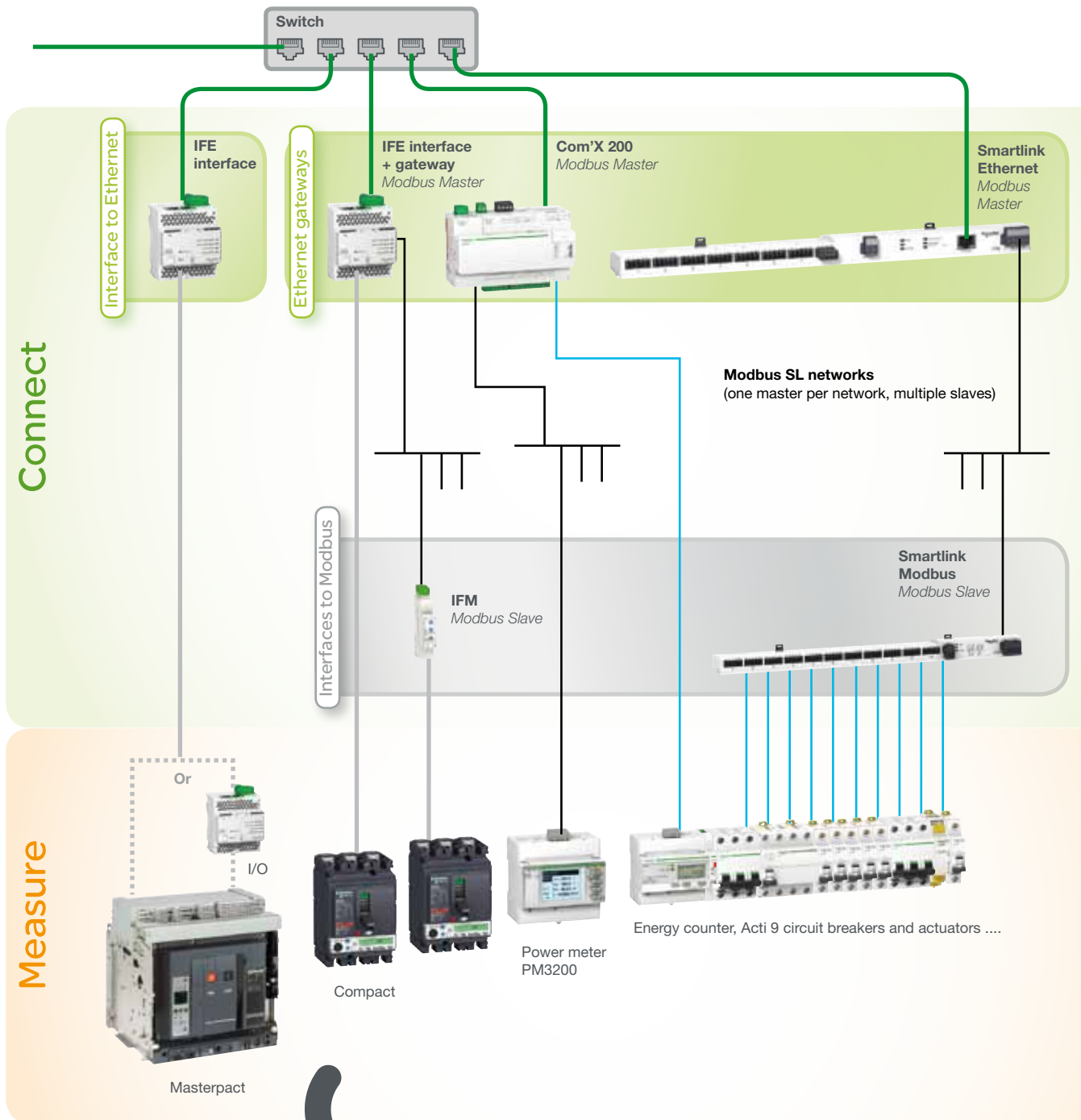


Mechanical interlocking using cable

Description	Reference	Unit MRP [₹]
ATS Kit for Masterpact NT EDO type with BA 415VAC controller	INA_NTDOB4	115000
ATS Kit for Masterpact NT EDO type with UA 415VAC controller	INA_NTDOU4	131920
ATS Kit for Masterpact NW EDO type with BA 415VAC controller	INA_NWDOB4 <input checked="" type="checkbox"/>	124590
ATS Kit for Masterpact NW EDO type with UA 415VAC controller	INA_NWDOU4 <input checked="" type="checkbox"/>	131920

**ATS Kit with for Fixed Breaker and BA controller with 240VAC, contact our nearest Sales Office

Smart Panel Architecture NEW



Connect

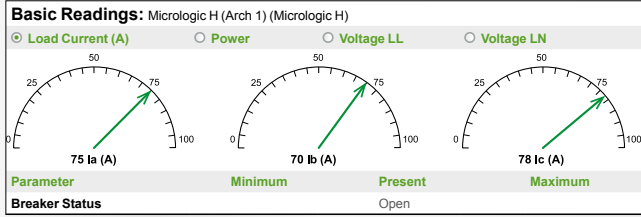
Measure

- Ethernet
- Modbus
- ULP
- Hard wired

- > This diagram clearly shows the equipment involved into the "Measure" and "Connect" functionalities defining the Smart Panel concept
- > Interface: provides a network port to one or several devices (circuit breakers, actuators, counters,...) from their hard wired or ULP links
- > Gateway: ensures the communication between two networks with different protocols (Ethernet and Modbus)

Web pages generated by IFE interface + gateway

Monitoring of electrical values - Breaker status



Information for Maintenance

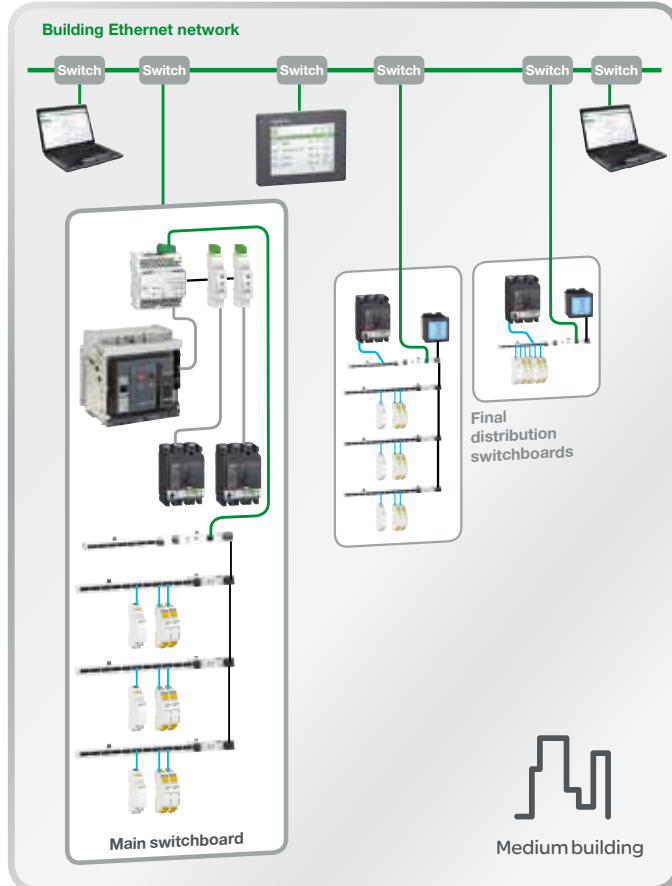
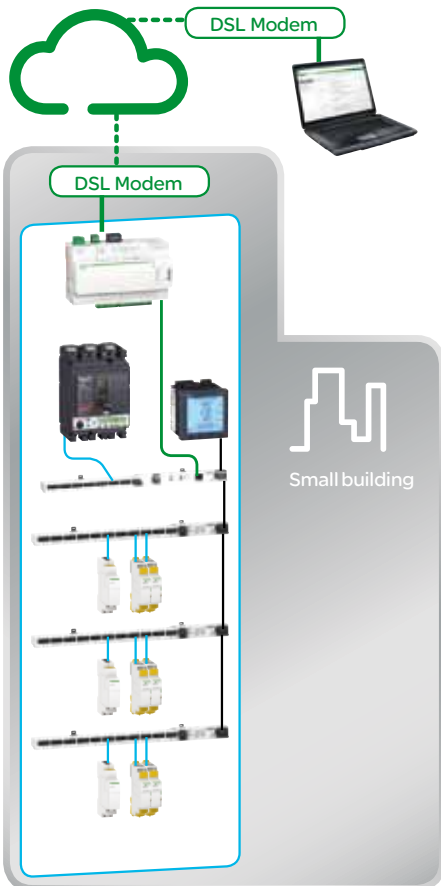
Micrologic H (Arch 1) (Micrologic H)









Breaker operation Counters	
Counters	Value
Total number of indication contacts (OF) operation	54
Indication contacts (OF) operation since last reset	54
Trip indication contact (SD) operation	---
Fault trip indication contact (SDE) operation	78

Breaker operation Counters	
Counters	Value
Contact wear indicator	--- %

Cradle Counters	
Counters	Value
Cradle connected	62
Cradle disconnected	20
Cradle test	7

- Ethernet
- Modbus
- ULP
- Hard wired



Enerlin'X communication devices and displays								
	Name	Function	Port		Bin. Input	Analog. Input	Bin. Output	Cial. Ref.
			(to device)	(to server)				
A	 Com'X 200	Energy Server with Ethernet Gateway ⁽¹⁾ function	Modbus Master	Ethernet cable + WiFi	6	2	-	EBX200
B	 FDM128	Ethernet LCD colour touch screen	-	Ethernet	-	-	-	FLV434128
C	 FDM121	LCD display for circuit breaker	ULP	-	-	-	-	TRV00121
D		IFE interface + gateway	Ethernet interface ⁽²⁾ & Gateway	Modbus Master & ULP	Ethernet	-	-	LV434011
		IFE interface	Ethernet interface for circuit breakers	ULP	Ethernet	-	-	-
E	 Acti 9 Smartlink Ethernet	Ethernet interface ⁽²⁾ & Gateway	Modbus Master	Ethernet	14	2	7	A9XMEA08
F	 Acti 9 Smartlink Modbus	Modbus interface with Input/Output functions	-	Modbus Slave	22	-	11	A9XMSB11
G	 IFM	Modbus interface for circuit breaker	ULP	Modbus Slave	-	-	-	TRV00210
H	 I/O	Input/Output application module for circuit breaker	ULP	ULP	6	-	3	LV434063

1) Gateways: transfers data from a network to another (ie.: Modbus to Ethernet)
 2) Interface: transfers data from an equipment to a network. (ie.: ULP to Modbus)



Plug and play commissioning tools give a real peace of mind to panel builders as their panels can be functionally checked before delivery.

Commissioning / maintenance tools

Web pages embedded into Com'X 200 and Acti 9 Smartlink Ethernet gateways

- Access with a standard PC and common browser:
- commissioning
 - communication diagnosis
 - functional tests...

Electrical Asset Manager

- Loaded into a standard PC Error free commissioning. Time saving, easier management and maintenance thanks to the advanced services:
- project management
 - configuration of controllers, gateways, ...
 - test of communication networks, diagnostic report...



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GIDC PH-1, VATVA,AHMEDABAD-382445**



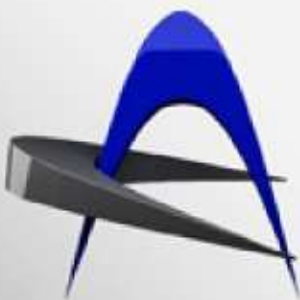
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**ALNICO
CONTROL PANEL**

Sense Of Intergration