


 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

NORMAL STOCK ITEMS

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

W.E.F. December 19, 2014

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	RTC48PUNCSRLU	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	
Projecting, marked (double molding /injection marking)	NC	Red	XB5AA4342N <input checked="" type="checkbox"/>	192	
	NO	Green	XB5AA3411N	192	
	NC	Red	XB5AA4352N	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			1 unit
		2 units		1 unit	1 unit
		1 unit	1 unit	1 unit	1 unit
		1 unit	1 unit	1 unit	1 unit
		1 unit	1 unit	1 unit	1 unit
Voltage	AC/DC 24 V	B			
	AC 110 V	G			
	AC 230 V	M			
Light source	Incandescent bulb	1			
(2)	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)	(3)
	Flashing	5	5	5	5
	"Flash"	6	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
			NPN	XS130BLNAL2 <input checked="" type="checkbox"/>	1510
		1 NO	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
			NPN	XS230BLNAL2	1540
		1 NO	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	
	2 NO+2NC	LADN22 <input checked="" type="checkbox"/>	555	
	4 NC	LADN04	555	
	4 NO	LADN40 <input checked="" type="checkbox"/>		
	1 NO+3NC	LADN13		
	Side Mounted ⁽¹⁾	3 NO+1NC	LADN31 <input checked="" type="checkbox"/>	815
1 NO+1NC		LAD8N11		
Pneumatic timer blocks front mounted	ON delay	2 NO	LAD8N20	2030
		1 NO+1NC 0.1..3s	LADT0	
		1 NO+1NC 0.1..30s	LADT2	
		1 NO+1NC 10..180s	LADT4	
	OFF delay	1 NO+1NC 1..30s ⁽²⁾	LADS2 <input checked="" type="checkbox"/>	2170
		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 shims to be used with 4 pole contactors			LA9D511	795

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

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

* Suitable for 80 Amps, 95A & Model F Contactors only

Description	Time Delay Range	Timer Type	Reference	Unit MRP [₹]
On delay timer ⁽¹⁾⁽²⁾	15...30 s	On delay	LA4DT2U	2445
On delay timer ⁽¹⁾⁽²⁾	0.1...2 s	On delay	LA4DT0U	
On delay timer ⁽¹⁾⁽²⁾	25...500 s	On delay	LA4DT4U	
Relay interface module - 24V DC ⁽¹⁾⁽²⁾	-	-	LA4DFB	2255

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

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

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

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

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

*Coil Voltage Code

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

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

NORMAL STOCK ITEMS

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	
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

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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	LRD22 <input checked="" type="checkbox"/>
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	3880
37...50 A	LC1D40A...D65A	LRD350 <input checked="" type="checkbox"/>	
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**#	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

W.E.F. December 19, 2014

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 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

Contacteur	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)

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	0.5	0.63 - 1.0	GV2ME05	
	0.55	0.75	1.0 - 1.6	GV2ME06	3440
	0.75	1	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

100 kA	-	-	0.1 - 0.16	GV2P01	3610
	0.06	-	0.16 - 0.25	GV2P02	
	0.09	-	0.25 - 0.40	GV2P03	
	0.18	-	0.40 - 0.63	GV2P04	3915
	0.37	0.5	0.63 - 1.0	GV2P05	
	0.55	0.75	1.0 - 1.6	GV2P06	4060
	0.75	1.0	1.6 - 2.5	GV2P07	
	1.1	2	2.5 - 4	GV2P08	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

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**	Magnetic Protection Rating (A)	Reference	Unit MRP [₹]
	kW hP			

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

100 kA	0.09	-	0.4	GV2LE03	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	
10 kA	11	15	25	GV2LE22	5870		
	15	20	32	GV2LE32			

GV2-L Model Magnetic - With Rotary Handle Control *

100 kA	0.09	-	0.4	GV2L03	3935		
	0.18	-	0.63	GV2L04			
	0.37	0.5	1	GV2L05			
	0.55	-	1.6	GV2L06			
	1.1	1.5	2.5	GV2L07			
	1.1	2	4	GV2L08			
	2.2	3	6.3	GV2L10			
	4	5.5	10	GV2L14			
	50 kA	5.5	7.5	14		GV2L16	10025
		7.5	10	18		GV2L20	
	11	15	25	GV2L22			

GV3-L Range Magnetic - With Rotary Handle Control

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

GK3 Range Optimal Magnetic - With Rotary Handle Control *

35 kA	37	80	GK3EF80	10130
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* Conforming to IEC 60947-2-3-4

** 50/60Hz - 415 V

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

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

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

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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	-	GV7AP03	2320
GV7AP GV7R - black handle ⁽²⁾	-	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

[Ith] 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

** Ith 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

[Ith] 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	

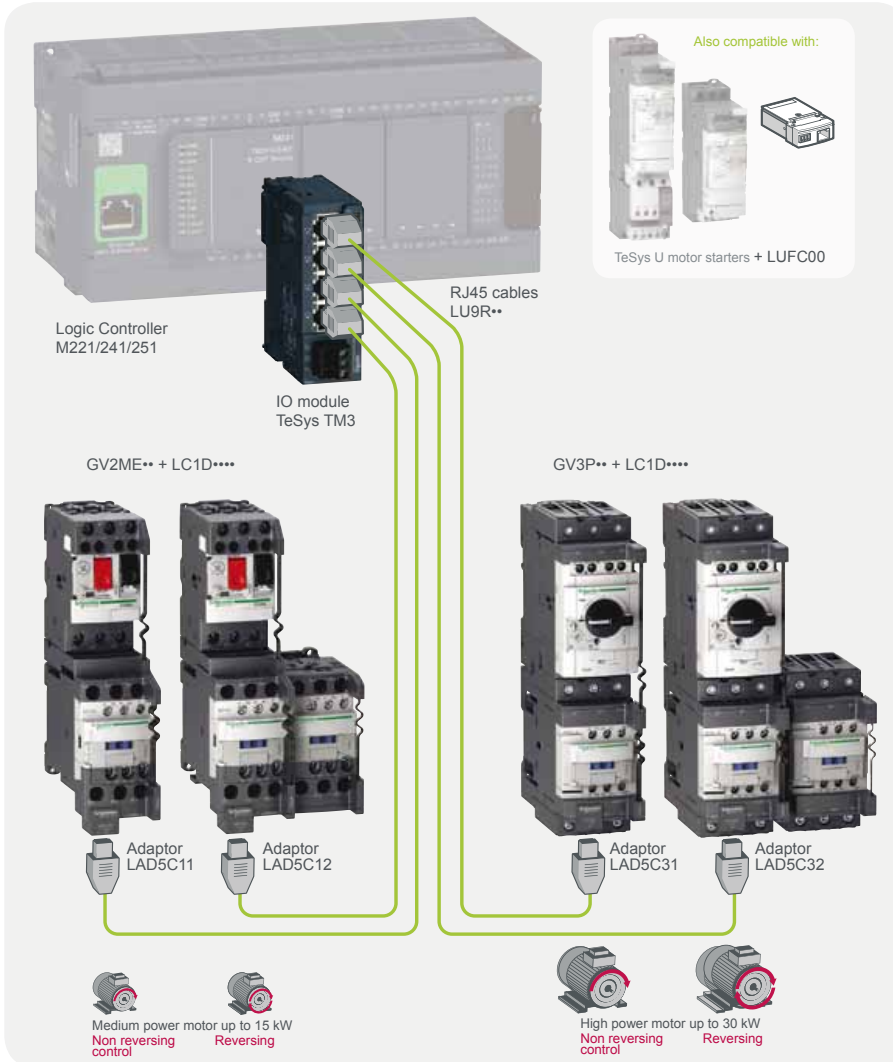
Please contact Customer Care Center for Stockable and Non stockable status of references.

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



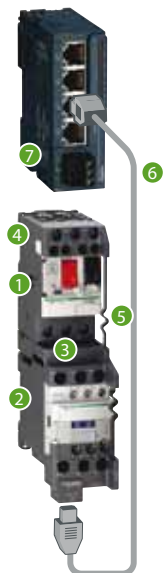
20 times
faster for control
circuit wiring
Simple and fast wiring

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**
2	Contactor 24V DC	LC1D**B* or LC2D**B*
3	Combination Block	GV2AF3
4	Auxiliary Contact	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

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