

Life Is On

Schneider  
Electric



 Price List

# Industrial Automation Products

With effect from December 21, 2015









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## 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 	1800
	24 V	4.2 A	100 W	ABL2REM24045H 	3000
	24 V	6.5 A	150 W	ABL2REM24065H 	3800
	24 V	8.3 A	200 W	ABL2REM24085H	4800
	24 V	10.5 A	250 W	ABL2REM24100H 	5800
	24 V	14.6 A	350 W	ABL2REM24150H 	9600


## ABL1 - Dedicated Range

Input Voltage	output Voltage	Power Supply Output Current	Rated Power In W	Reference	Unit MRP 
<b>Without Anti-Harmonic Filter</b>					
100...240 V AC	12 V DC	5 A	60 W	ABL1REM12050	3300
	24 V DC	2.5 A	60 W	ABL1REM24025 	3090
		4.2 A	100 W	ABL1REM24042 	4190
100...120 V AC	24 V DC	6.2 A	150 W	ABL1REM24062 	4940
		10 A	240 W	ABL1REM24100 	8190
<b>With Anti-Harmonic Filter</b>					
100...240 V AC	12 V DC	8.3 A	100 W	ABL1RPM12083	4850
	24 V DC	4.2 A	100 W	ABL1RPM24042 	4940
100...120 V AC	24 V DC	6.2 A	150 W	ABL1RPM24062 	6390
		10 A	240 W	ABL1RPM24100 	9580


## ABL8 Ranges

Input Voltage	output Voltage	Power Supply Output Current	Rated Power In W	Reference	Unit MRP 
<b>Modular Range (without PFC, Automatic Reset)</b>					
100...240 V AC	5 V DC	4 A	20 W	ABL8MEM05040	6280
	12 V DC	2 A	25 W	ABL8MEM12020	5560
<b>Optimum Range (without PFC, Automatic or Manual Reset)</b>					
100...240 V AC	24 V	3 A	72 W	ABL8REM24030	7210
	24 V	5 A	120 W	ABL8REM24050 	10820
<b>Universal Range (with PFC, Boost function, Diagnosis Contact, Automatic or Manual Reset)</b>					
100...120 V single phase 200...500 V 2 phase	24 V	3 A	72 W	ABL8RPS24030	9480
	24 V	5 A	120 W	ABL8RPS24050	12460
100...120 V single phase 200...240 V	24 V	10 A	240 W	ABL8RPS24100	15450
	24 V	20 A	480 W	ABL8RPM24200 	20090
380...500 V three phase	24 V	20 A	480 W	ABL8WPS24200	21930
	24 V	40 A	960 W	ABL8WPS24400	36050

## Accessories

Description	Reference	Unit MRP 
<b>ABL 1</b>		
reversible mounting bracket - for regulated switch mode	ABL1A01	360
mounting plate for 35 mm rail - for regulated switch mode	ABL1A02	360
Note: To be ordered in lot of 5.		
<b>ABL 8 - Universal Range Accessories</b>		
Battery Back-up module 20A	ABL8BBU24200	18540
Battery Back-up module 40A	ABL8BBU24400	24840
Battery pack 7 Ah	ABL8BPK24A07	13230
Buffer module 40A	ABL8BUF24400	17670
Protection module with two pole breaking	ABL8PRP24100	15450
Redundancy Module	ABL8RED24400	11740
Protection module with single pole breaking	ABL8PRE24100	10710

## ABT7 - Economy Range (Single Winding)

input Voltage	output Voltage	rated Power in VA	Reference	Unit MRP 
<b>Single phase 230V 40VA - 400VA 40° C</b>				
230 V AC single phase ±15 V	24 V AC	40	ABT7ESM004B	5730
230 V AC single phase ±15 V	24 V AC	63	ABT7ESM006B	4380
230 V AC single phase ±15 V	24 V AC	100	ABT7ESM010B	4830
230 V AC single phase ±15 V	24 V AC	160	ABT7ESM016B	6180
230 V AC single phase ±15 V	24 V AC	250	ABT7ESM025B	7980
230 V AC single phase ±15 V	24 V AC	320	ABT7ESM032B	9890
230 V AC single phase ±15 V	24 V AC	400	ABT7ESM040B	10220

## ABL6 - Optimum Range (Single Winding)

input Voltage	output Voltage	rated Power in VA	Reference	Unit MRP 
<b>Single phase 230/400V 25VA - 2500VA 50° C</b>				
230/400 V single phase ±15 V	24 V AC	25	ABL6TS02B	5570
230/400 V single phase ±15 V	24 V AC	40	ABL6TS04B	5730
230/400 V single phase ±15 V	24 V AC	63	ABL6TS06B	5840
230/400 V single phase ±15 V	24 V AC	100	ABL6TS10B	6500
230/400 V single phase ±15 V	24 V AC	160	ABL6TS16B	7390
230/400 V single phase ±15 V	24 V AC	250	ABL6TS25B	8930
230/400 V single phase ±15 V	24 V AC	400	ABL6TS40B	14330
230/400 V single phase ±15 V	24 V AC	630	ABL6TS63B	18940
230/400 V single phase ±15 V	24 V AC	1000	ABL6TS100B	25290
230/400 V single phase ±15 V	24 V AC	1600	ABL6TS160B	51380
230/400 V single phase ±15 V	24 V AC	2500	ABL6TS250B	80700
230/400 V single phase ±15 V	115 V AC	25	ABL6TS02G	5570
230/400 V single phase ±15 V	115 V AC	40	ABL6TS04G	5730
230/400 V single phase ±15 V	115 V AC	63	ABL6TS06G	5840
230/400 V single phase ±15 V	115 V AC	100	ABL6TS10G	6170
230/400 V single phase ±15 V	115 V AC	160	ABL6TS16G	7620
230/400 V single phase ±15 V	115 V AC	250	ABL6TS25G	8930
230/400 V single phase ±15 V	115 V AC	400	ABL6TS40G	14330
230/400 V single phase ±15 V	115 V AC	630	ABL6TS63G	19680
230/400 V single phase ±15 V	115 V AC	1000	ABL6TS100G	24150
230/400 V single phase ±15 V	115 V AC	1600	ABL6TS160G	36960
230/400 V single phase ±15 V	115 V AC	2500	ABL6TS250G	62560
230/400 V single phase ±15 V	230 V AC	25	ABL6TS02U	5570
230/400 V single phase ±15 V	230 V AC	40	ABL6TS04U	5730
230/400 V single phase ±15 V	230 V AC	63	ABL6TS06U	5840
230/400 V single phase ±15 V	230 V AC	100	ABL6TS10U	6170
230/400 V single phase ±15 V	230 V AC	160	ABL6TS16U	7280
230/400 V single phase ±15 V	230 V AC	250	ABL6TS25U	8930
230/400 V single phase ±15 V	230 V AC	400	ABL6TS40U	14330
230/400 V single phase ±15 V	230 V AC	630	ABL6TS63U	17970
230/400 V single phase ±15 V	230 V AC	1000	ABL6TS100U 	24150
230/400 V single phase ±15 V	230 V AC	1600	ABL6TS160U	36470
230/400 V single phase ±15 V	230 V AC	2500	ABL6TS250U	60130



## ABT7 - Universal Range (Double Winding)

input Voltage	output Voltage	rated Power in VA	Reference	Unit MRP ₹
<b>Single phase 230/400V 25VA - 2500VA 60° C</b>				
230/400 V single phase ±15 V	24/48 V AC	40	ABT7PDU004B	6170
230/400 V single phase ±15 V	24/48 V AC	63	ABT7PDU006B	6500
230/400 V single phase ±15 V	24/48 V AC	250	ABT7PDU025B	11590
230/400 V single phase ±15 V	24/48 V AC	400	ABT7PDU040B	13740
230/400 V single phase ±15 V	24/48 V AC	630	ABT7PDU063B	21170
230/400 V single phase ±15 V	115/230 V AC	25	ABT7PDU002G	5950
230/400 V single phase ±15 V	115/230 V AC	40	ABT7PDU004G	6170
230/400 V single phase ±15 V	115/230 V AC	63	ABT7PDU006G	6500
230/400 V single phase ±15 V	115/230 V AC	100	ABT7PDU010G	7280
230/400 V single phase ±15 V	115/230 V AC	160	ABT7PDU016G	8600
230/400 V single phase ±15 V	115/230 V AC	250	ABT7PDU025G	11090
230/400 V single phase ±15 V	115/230 V AC	400	ABT7PDU040G	13120
230/400 V single phase ±15 V	115/230 V AC	630	ABT7PDU063G	21170
230/400 V single phase ±15 V	115/230 V AC	1000	ABT7PDU100G	25250
230/400 V single phase ±15 V	115/230 V AC	1600	ABT7PDU160G	41780
230/400 V single phase ±15 V	115/230 V AC	2500	ABT7PDU250G	61630
230/400 V single phase ±15 V	115/230 V AC	25	ABT7PDU002B	7500
230/400 V single phase ±15 V	115/230 V AC	100	ABT7PDU010B	7280
230/400 V single phase ±15 V	115/230 V AC	160	ABT7PDU016B	10030
230/400 V single phase ±15 V	115/230 V AC	1000	ABT7PDU100B	27650
230/400 V single phase ±15 V	115/230 V AC	1600	ABT7PDU160B	45760
230/400 V single phase ±15 V	115/230 V AC	2500	ABT7PDU250B	67500

# 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	Unit LP
380...415 V 50...60 Hz	3	1.5 kW/2.2 kW/3kW	adjustable from 1 to 10 s	6 A	ATS01N206QN	9212
		4 kW	adjustable from 1 to 10 s	9 A	ATS01N209QN	10661
		5.5 kW	adjustable from 1 to 10 s	12 A	ATS01N212QN	13455
		7.5 kW/11 kW	adjustable from 1 to 10 s	22 A	ATS01N222QN	17078
		15 kW	adjustable from 1 to 10 s	32 A	ATS01N232QN	24426

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



Rated Current	Motor Power kW	Reference	Unit LP
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	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	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	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	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	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	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	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	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	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	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	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.

# 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	Unit LP
0.18	0.25	1.4	ATV12H018M2	9226
0.37	0.55	2.4	ATV12H037M2	11169
0.55	0.75	3.5	ATV12H055M2	11727
0.75	1	4.2	ATV12H075M2	12899
1.5	2	7.5	ATV12HU15M2	16417
2.2	3	10	ATV12HU22M2	22558



ATV310 Drive: Three Phase 440 Volts Input & 3 Phase 440 Volts Output Drive

KW Rating	HP Rating	rated output Current @55°C	Reference	Unit LP
0.37	0.55	1.5	ATV310H037N4E	22884
0.75	1	2.3	ATV310H075N4E	25510
1.5	2	4.1	ATV310HU15N4E	28008
2.2	3	5.5	ATV310HU22N4E	33552
3	4	7.1	ATV310HU30N4E	40751
4	5	9.5	ATV310HU40N4E	40771
5.5	7.5	12.6	ATV310HU55N4E	51265
7.5	10	17	ATV310HU75N4E	61125
11	15	24	ATV310HD11N4E	83919



# 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
<b>Voltage 24V DC</b>		
Zelio Logic module - 10 I O, RLY - w/o clock - with display	SR2A101BD <input checked="" type="checkbox"/>	10610
Zelio Logic module - 20 I O, RLY - w/o clock - with display	SR2A201BD <input checked="" type="checkbox"/>	17410
Zelio Logic module - 12 I O, TRN - with clock - with display	SR2B121BD <input checked="" type="checkbox"/>	9680
Zelio Logic module - 12 I O, TRN - with clock - with display	SR2B122BD	14730
Zelio Logic module - 20 I O, RLY - with clock - with display	SR2B201BD <input checked="" type="checkbox"/>	18850
Zelio Logic module - 20 I O, RLY - with clock - with display	SR2B202BD	20090
Zelio Logic module - 10 I O, RLY - w/o clock - w/o display	SR2D101BD <input checked="" type="checkbox"/>	6390
Zelio Logic module - 20 I O, RLY - w/o clock - w/o display	SR2D201BD <input checked="" type="checkbox"/>	15760
Zelio Logic module - 12 I O, RLY - with clock - w/o display	SR2E121BD	9990
Zelio Logic module - 20 I O, RLY - with clock - w/o display	SR2E201BD	18440
Zelio Logic module - 10 I O, RLY - with clock - with display	SR3B101BD	11540
Zelio Logic module - 10 I O, TRN - with clock - with display	SR3B102BD	10820
Zelio Logic module - 26 I O, RLY - with clock - with display	SR3B261BD <input checked="" type="checkbox"/>	24410
Zelio Logic module - 26 I O, TRN - with clock - with display	SR3B262BD	23790
<b>Voltage 100-240V AC</b>		
Zelio Logic module - 10 I O, RLY - w/o clock - with display	SR2A101FU <input checked="" type="checkbox"/>	12050
Zelio Logic module - 20 I O, RLY - w/o clock - with display	SR2A201FU <input checked="" type="checkbox"/>	18030
Zelio Logic module - 12 I O, RLY - with clock - with display	SR2B121FU <input checked="" type="checkbox"/>	12050
Zelio Logic module - 20 I O, RLY - with clock - with display	SR2B201FU <input checked="" type="checkbox"/>	19980
Zelio Logic module - 10 I O, RLY - w/o clock - w/o display	SR2D101FU	8650
Zelio Logic module - 20 I O, RLY - w/o clock - w/o display	SR2D201FU	18130
Zelio Logic module - 12 I O, RLY - with clock - w/o display	SR2E121FU	10820
Zelio Logic module - 20 I O, RLY - with clock - w/o display	SR2E201FU	20390
Zelio Logic module - 10 I O, RLY - with clock - with display	SR3B101FU	13180
Zelio Logic module - 26 I O, RLY - with clock - with display	SR3B261FU <input checked="" type="checkbox"/>	24930
<b>Voltage 12V DC</b>		
Zelio Logic module - 12 I O - with clock - with display	SR2B121JD	12460
Zelio Logic module - 20 I O - with clock - with display	SR2B201JD	15860
<b>Voltage 24V AC</b>		
Zelio Logic module - 12 I O - with clock - with display	SR2B121B	12460
Zelio Logic module - 20 I O - with clock - with display	SR2B201B	23590
Zelio Logic module - 20 I O - with clock - w/o display	SR2E201B	18540
Zelio Logic module - 10 I O - with clock - with display	SR3B101B	12770
Zelio Logic module - 24 I O - with clock - with display	SR3B261B	26270

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



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	4940
discrete I/O extension module - 6 I O 4DI, 2DO	SR3XT61FU	5150
discrete I/O extension module - 10 I O 6DI, 4DO - 24 V DC	SR3XT101BD <input checked="" type="checkbox"/>	5150
discrete I/O extension module - 10 I O 6DI, 4DO	SR3XT101FU	6490
discrete I/O extension module - 14 I O 8DI, 6DO - 24 V AC	SR3XT141B	8860
discrete I/O extension module - 14 I O 8DI, 6DO - 24 V DC	SR3XT141BD <input checked="" type="checkbox"/>	7210
discrete I/O extension module - 14 I O 8DI, 6DO	SR3XT141FU	7520
Analogue I/O extension module - 2 AI/ 2AO	SR3XT43BD	11640

## Accessories


Description	Reference	Unit MRP
SUB-D 9-pin PC connecting cable - 3 m	SR2CBL01 <input checked="" type="checkbox"/>	3300
SUB-D 9-pin modem connecting cable - 0.5 m	SR2CBL07 <input checked="" type="checkbox"/>	7420
communication interface	SR2COM01	10710
documentation - programming on the smart relay - EN	SR2MAN01EN	1750
memory cartridge firmware - up to v 2.4 - EEPROM	SR2MEM01 <input checked="" type="checkbox"/>	1440
memory cartridge firmware - for v 3.0 - EEPROM	SR2MEM02 <input checked="" type="checkbox"/>	1750
modem interface - analog PSTN	SR2MOD01	46760
modem interface - GSM	SR2MOD02	39660
programming software "Zelio Soft 2" multilingual - CD-ROM	SR2SFT01	1750
USB PC connecting cable - 3 m	SR2USB01 <input checked="" type="checkbox"/>	9060



- 10 A relays with 1 C/O contact and 5 A relays with 2 C/O contacts.
- Sockets with separate contact terminals, screw connector connection and built-in plastic maintaining clamp, 35mm DIN rail mounting and Panel mounting.
- Optional modules for additional protection

## RXG Interface Relays


NEW

Product description	Reference	Unit LP 
1CO 10A Relay +LTB-LED 24VAC	RXG11B7	527
1CO 10A Relay +LTB-LED 48VAC	RXG11E7	538
1CO 10A Relay +LTB-LED 120VAC	RXG11F7	538
1CO 10A Relay +LTB-LED 220VAC	RXG11M7	538
1CO 10A Relay +LTB-LED 230VAC	RXG11P7	527
1CO 10A Relay +LTB-LED 6VDC	RXG11RD	433
1CO 10A Relay +LTB-LED 12VDC	RXG11JD	433
1CO 10A Relay +LTB-LED 24VDC	RXG11BD	424
1CO 10A Relay +LTB-LED 48VDC	RXG11ED	433
1CO 10A Relay +LTB-LED 60VDC	RXG11ND	433
1CO 10A Relay +LTB-LED 110VDC	RXG11FD	433
1CO 10A Relay +LTB+LED 24VAC	RXG12B7	584
1CO 10A Relay +LTB+LED 48VAC	RXG12E7	584
1CO 10A Relay +LTB+LED 120VAC	RXG12F7	584
1CO 10A Relay +LTB+LED 220VAC	RXG12M7	584
1CO 10A Relay +LTB+LED 230VAC	RXG12P7	584
1CO 10A Relay +LTB+LED 6VDC	RXG12RD	477
1CO 10A Relay +LTB+LED 12VDC	RXG12JD	477
1CO 10A Relay +LTB+LED 24VDC	RXG12BD	477
1CO 10A Relay +LTB+LED 48VDC	RXG12ED	477
1CO 10A Relay +LTB+LED 60VDC	RXG12ND	477
1CO 10A Relay +LTB+LED 110VDC	RXG12FD	477
1CO 10A Relay-LTB+LED 24VAC	RXG13B7	559
1CO 10A Relay-LTB+LED 48VAC	RXG13E7	559
1CO 10A Relay-LTB+LED 120VAC	RXG13F7	559
1CO 10A Relay-LTB+LED 220VAC	RXG13M7	559
1CO 10A Relay-LTB+LED 230VAC	RXG13P7	559
1CO 10A Relay-LTB+LED 6VDC	RXG13RD	453
1CO 10A Relay-LTB+LED 12VDC	RXG13JD	453
1CO 10A Relay-LTB+LED 24VDC	RXG13BD	453
1CO 10A Relay-LTB+LED 48VDC	RXG13ED	453
1CO 10A Relay-LTB+LED 60VDC	RXG13ND	453
1CO 10A Relay-LTB+LED 110VDC	RXG13FD	453
1CO 10A Relay Clear 24VAC	RXG15B7	487
1CO 10A Relay Clear 48VAC	RXG15E7	487
1CO 10A Relay Clear 120VAC	RXG15F7	487
1CO 10A Relay Clear 220VAC	RXG15M7	487
1CO 10A Relay Clear 230VAC	RXG15P7	487
1CO 10A Relay Clear 6VDC	RXG15RD	379
1CO 10A Relay Clear 12VDC	RXG15JD	379
1CO 10A Relay Clear 24VDC	RXG15BD	379
1CO 10A Relay Clear 48VDC	RXG15ED	379
1CO 10A Relay Clear 60VDC	RXG15ND	379
1CO 10A Relay Clear 110VDC	RXG15FD	379
2CO 5A Relay +LTB-LED 24VAC	RXG21B7	578
2CO 5A Relay +LTB-LED 48VAC	RXG21E7	590
2CO 5A Relay +LTB-LED 120VAC	RXG21F7	590
2CO 5A Relay +LTB-LED 220VAC	RXG21M7	590




- 10 A relays with 1 C/O contact and 5 A relays with 2 C/O contacts.
- Sockets with separate contact terminals, screw connector connection and built-in plastic maintaining clamp, 35mm DIN rail mounting and Panel mounting.
- Optional modules for additional protection


## RXG Interface Relays NEW

Product description	Reference	Unit LP 
2CO 5A Relay +LTB+LED 230VAC	RXG21P7	578
2CO 5A Relay +LTB+LED 6VDC	RXG21RD	485
2CO 5A Relay +LTB+LED 12VDC	RXG21JD	485
2CO 5A Relay +LTB+LED 24VDC	RXG21BD	476
2CO 5A Relay +LTB+LED 48VDC	RXG21ED	485
2CO 5A Relay +LTB+LED 60VDC	RXG21ND	485
2CO 5A Relay +LTB+LED 110VDC	RXG21FD	485
2CO 5A Relay +LTB+LED 24VAC	RXG22B7	637
2CO 5A Relay +LTB+LED 48VAC	RXG22E7	637
2CO 5A Relay +LTB+LED 120VAC	RXG22F7	637
2CO 5A Relay +LTB+LED 220VAC	RXG22M7	637
2CO 5A Relay +LTB+LED 230VAC	RXG22P7	637
2CO 5A Relay +LTB+LED 6VDC	RXG22RD	530
2CO 5A Relay +LTB+LED 12VDC	RXG22JD	530
2CO 5A Relay +LTB+LED 24VDC	RXG22BD	530
2CO 5A Relay +LTB+LED 48VDC	RXG22ED	530
2CO 5A Relay +LTB+LED 60VDC	RXG22ND	530
2CO 5A Relay +LTB+LED 110VDC	RXG22FD	530
2CO 5A Relay-LTB+LED 24VAC	RXG23B7	613
2CO 5A Relay-LTB+LED 48VAC	RXG23E7	613
2CO 5A Relay-LTB+LED 120VAC	RXG23F7	613
2CO 5A Relay-LTB+LED 220VAC	RXG23M7	613
2CO 5A Relay-LTB+LED 230VAC	RXG23P7	613
2CO 5A Relay-LTB+LED 6VDC	RXG23RD	506
2CO 5A Relay-LTB+LED 12VDC	RXG23JD	506
2CO 5A Relay-LTB+LED 24VDC	RXG23BD	506
2CO 5A Relay-LTB+LED 48VDC	RXG23ED	506
2CO 5A Relay-LTB+LED 60VDC	RXG23ND	506
2CO 5A Relay-LTB+LED 110VDC	RXG23FD	506
2CO 5A Relay Clear 24VAC	RXG25B7	538
2CO 5A Relay Clear 48VAC	RXG25E7	538
2CO 5A Relay Clear 120VAC	RXG25F7	538
2CO 5A Relay Clear 220VAC	RXG25M7	538
2CO 5A Relay Clear 230VAC	RXG25P7	538
2CO 5A Relay Clear 6VDC	RXG25RD	430
2CO 5A Relay Clear 12VDC	RXG25JD	430
2CO 5A Relay Clear 24VDC	RXG25BD	430
2CO 5A Relay Clear 48VDC	RXG25ED	430
2CO 5A Relay Clear 60VDC	RXG25ND	430
2CO 5A Relay Clear 110VDC	RXG25FD	430
<b>Accessories</b>		
1CO Separate terminal socket with clamp	RGZE1S35M	254
2CO Separate terminal socket with clamp	RGZE1S48M	283
Plastic maintaining clamp for RGZ socket	RGZR215	25

## RXM Miniature Relays

Control Circuit Voltage	Reference	Unit LP 
<b>Without Lockable Test Button without LED</b>		
<b>2 C/O - 5 AMPS</b>		
12 V DC	RXM2LB1JD	351
24 V DC	RXM2LB1BD	338
48 V DC	RXM2LB1ED	371
24 V AC	RXM2LB1B7	351
120 V AC	RXM2LB1F7	351
230 V AC	RXM2LB1P7	344
<b>4 C/O - 3 AMPS</b>		
12 V DC	RXM4LB1JD	426
24 V DC	RXM4LB1BD	390
48 V DC	RXM4LB1ED	426
24 V AC	RXM4LB1B7	426
120 V AC	RXM4LB1F7	426
230 V AC	RXM4LB1P7	390
<b>Without Lockable Test Button with LED</b>		
<b>2 C/O - 5 AMPS</b>		
12 V DC	RXM2LB2JD	390
24 V DC	RXM2LB2BD <input checked="" type="checkbox"/>	362
48 V DC	RXM2LB2ED	390
24 V AC	RXM2LB2B7	390
120 V AC	RXM2LB2F7	390
230 V AC	RXM2LB2P7 <input checked="" type="checkbox"/>	362
36 V DC	RXM2LB2CD	390
110 V DC	RXM2LB2FD	390
<b>4 C/O - 3 AMPS</b>		
12 V DC	RXM4LB2JD	439
24 V DC	RXM4LB2BD <input checked="" type="checkbox"/>	409
48 V DC	RXM4LB2ED	439
24 V AC	RXM4LB2B7	439
120 V AC	RXM4LB2F7	439
230 V AC	RXM4LB2P7 <input checked="" type="checkbox"/>	409
12 V DC	RXM4LB2CD	439
36 V DC	RXM4LB2FD	439

## Accessories

Description	Reference	Unit LP 
<b>Sockets</b>		
Sockets - mixed-screw clamp - relay type RXM2 (without lockable test button)	RXZE1M2C <input checked="" type="checkbox"/>	165
Sockets - mixed-screw clamp - relay type RXM2/RXM4 (without lockable test button)	RXZE1M4C <input checked="" type="checkbox"/>	210

RXM Miniature Relays

Control Circuit Voltage	Reference	Unit LP
<b>Without LED</b>		
<b>2 Change Over - 12 AMPS Contact Rating</b>		
12 V DC	RXM2AB1JD	495
24 V AC	RXM2AB1B7	495
24 V DC	RXM2AB1BD	477
48 V AC	RXM2AB1E7	495
48 V DC	RXM2AB1ED	495
110 V DC	RXM2AB1FD	495
120 V AC	RXM2AB1F7	495
230 V AC	RXM2AB1P7	477
<b>3 Change Over - 10 AMPS Contact Rating</b>		
12 V DC	RXM3AB1JD	675
24 V AC	RXM3AB1B7	730
24 V DC	RXM3AB1BD	674
48 V AC	RXM3AB1E7	823
48 V DC	RXM3AB1ED	833
110 V DC	RXM3AB1FD	833
120 V AC	RXM3AB1F7	695
230 V AC	RXM3AB1P7	695
<b>4 Change Over - 6 AMPS Contact Rating</b>		
12 V DC	RXM4AB1JD	605
24 V AC	RXM4AB1B7	605
24 V DC	RXM4AB1BD	605
48 V AC	RXM4AB1E7	605
48 V DC	RXM4AB1ED	673
110 V DC	RXM4AB1FD	673
120 V AC	RXM4AB1F7	605
220 V DC	RXM4AB1MD	673
230 V AC	RXM4AB1P7	605
240 V AC	RXM4AB1U7	605
<b>With LED</b>		
<b>2 Change Over - 12 AMPS Contact Rating</b>		
12 V DC	RXM2AB2JD	517
24 V AC	RXM2AB2B7	514
24 V DC	RXM2AB2BD	495
48 V AC	RXM2AB2E7	517
48 V DC	RXM2AB2ED	517
110 V DC	RXM2AB2FD	517
120 V AC	RXM2AB2F7	517
230 V AC	RXM2AB2P7	495
<b>3 Change Over - 10 AMPS Contact Rating</b>		
12 V DC	RXM3AB2JD	646
24 V AC	RXM3AB2B7	691
24 V DC	RXM3AB2BD	646
48 V AC	RXM3AB2E7	790
48 V DC	RXM3AB2ED	772
110 V DC	RXM3AB2FD	675
120 V AC	RXM3AB2F7	663
230 V AC	RXM3AB2P7	663
<b>4 Change Over - 6 AMPS Contact Rating</b>		
12 V DC	RXM4AB2JD	705
24 V AC	RXM4AB2B7	705
24 V DC	RXM4AB2BD	670
48 V AC	RXM4AB2E7	705
48 V DC	RXM4AB2ED	705
110 V DC	RXM4AB2FD	705
120 V AC	RXM4AB2F7	705
125 V DC	RXM4AB2GD	705
230 V AC	RXM4AB2P7	670

RXM Miniature Relays


Control Circuit Voltage	Reference	Unit LP
<b>With Low Level Contact</b>		
<b>4 Change Over - 3 AMPS Contact Rating</b>		
12 V DC	RXM4GB1JD	693
	RXM4GB2JD	737
24 V AC	RXM4GB1B7	693
	RXM4GB2B7	737
24 V DC	RXM4GB1BD	693
	RXM4GB2BD	737
48 V AC	RXM4GB1E7	693
	RXM4GB2E7	737
48 V DC	RXM4GB1ED	693
	RXM4GB2ED	737
110 V DC	RXM4GB1FD	693
	RXM4GB2FD	737
120 V AC	RXM4GB1F7	693
	RXM4GB2F7	737
230 V AC	RXM4GB2P7	737
	RXM4GB1P7	693
240 V AC	RXM4GB2U7	737

RXZ Miniature Relays


Description	Reference	Unit LP
<b>Accessories</b>		
<b>Sockets</b>		
socket for miniature relay - Zelio RXZ - with mixed contacts - connectors	RXZE2M114M	230
socket for miniature relay - Zelio RXZ - with mixed contacts - screw clamp	RXZE2M114	255
socket for miniature relay - Zelio RXZ - with separate contacts - connectors	RXZE2S111M	294
	RXZE2S114M	314
<b>Protection Modules</b>		
<b>Diode</b>		
protection module - diode - 6..250V DC - for miniature relay socket RXZ	RXM040W	117
<b>RC Circuit</b>		
protection module - RC circuit - 110..240 AC - for miniature relay socket RXZ	RXM041FU7	124
protection module - RC circuit - 24..60 AC - for miniature relay socket RXZ	RXM041BN7	124
<b>Varistor</b>		
protection module -Varistor - 24..60V AC/DC - for miniature relay socket RXZ	RXM021BN	151
protection module -Varistor - 6..24V AC/DC - for miniature relay socket RXZ	RXM021RB	151
protection module -Varistor -110..240 AC/DC - for miniature relay socket RXZ	RXM021FP	143
<b>Clips and Legends</b>		
clip-in legends-for Sockets having separate contact	RXZL420	17
clip-in legends - for Zelio relay - set of 10	RXZL520	223
metal maintaining clamp - for miniature relay socket RXZ	RXZ400	42
mounting adaptor for DIN rail - for miniature relay socket RXZ	RXZE2DA	59
mounting adaptor with fixing lugs for panel - for miniature relay socket RXZ	RXZE2FA	59
plastic maintaining clamp - for miniature relay socket RXZ	RXZR335	40




RPM Power Relays

Control Circuit Voltage	Reference	Unit LP 
<b>Without LED</b>		
<b>1 Change Over - 15 AMPS Contact Rating</b>		
12 V DC	RPM11JD	836
24 V AC	RPM11B7	836
24 V DC	RPM11BD	830
48 V AC	RPM11E7	836
48 V DC	RPM11ED	836
110 V DC	RPM11FD	836
120 V AC	RPM11F7	1014
230 V AC	RPM11P7	923
<b>2 Change Over - 15 AMPS Contact Rating</b>		
12 V DC	RPM21JD	864
24 V AC	RPM21B7	864
24 V DC	RPM21BD	840
48 V AC	RPM21E7	864
48 V DC	RPM21ED	864
110 V DC	RPM21FD	864
120 V AC	RPM21F7	1014
230 V AC	RPM21P7	864
<b>3 Change Over - 15 AMPS Contact Rating</b>		
12 V DC	RPM31JD	893
24 V AC	RPM31B7	936
24 V DC	RPM31BD	893
48 V AC	RPM31E7	893
48 V DC	RPM31ED	893
110 V DC	RPM31FD	893
120 V AC	RPM31F7	1055
230 V AC	RPM31P7	961
<b>4 Change Over - 15 AMPS Contact Rating</b>		
12 V DC	RPM41JD	936
24 V AC	RPM41B7	936
24 V DC	RPM41BD	933
48 V AC	RPM41E7	936
48 V DC	RPM41ED	909
110 V DC	RPM41FD	936
120 V AC	RPM41F7	1072
230 V AC	RPM41P7	936
<b>With LED</b>		
<b>1 Change Over - 15 AMPS Contact Rating</b>		
12 V DC	RPM12JD	881
24 V AC	RPM12B7	881
24 V DC	RPM12BD	592
48 V AC	RPM12E7	881
48 V DC	RPM12ED	881
110 V DC	RPM12FD	881
120 V AC	RPM12F7	1055
230 V AC	RPM12P7	961
<b>2 Change Over - 15 AMPS Contact Rating</b>		
12 V DC	RPM22JD	893
24 V AC	RPM22B7	893
24 V DC	RPM22BD	806
48 V AC	RPM22E7	893
48 V DC	RPM22ED	893
110 V DC	RPM22FD	893
120 V AC	RPM22F7	1055
230 V AC	RPM22P7	876


RPM Power Relays

Control Circuit Voltage	Reference	Unit LP 
<b>3 Change Over - 15 AMPS Contact Rating</b>		
12 V DC	RPM32JD	908
24 V AC	RPM32B7	908
24 V DC	RPM32BD	999
48 V AC	RPM32E7	908
48 V DC	RPM32ED	908
110 V DC	RPM32FD	908
120 V AC	RPM32F7	1072
230 V AC	RPM32P7	999
<b>4 Change Over - 15 AMPS Contact Rating</b>		
12 V DC	RPM42JD	968
24 V AC	RPM42B7	949
24 V DC	RPM42BD	970
48 V AC	RPM42E7	940
48 V DC	RPM42ED	968
110 V DC	RPM42FD	968
120 V AC	RPM42F7	1077
230 V AC	RPM42P7	970

RPZ Power Relays

Description	Reference	Unit LP 
<b>Accessories</b>		
<b>Mixed Contact Socket</b>		
	RPZF2	382
socket for power relay - Zelio RPZ - with mixed contacts - screw clamp	RPZF1	392
	RPZF4	671
	RPZF3	675
<b>Clips And Legends</b>		
metal maintaining clamp - for relay socket RPZF1	RPZR235	102
mounting adaptor for DIN rail - for power relay socket RPZ	RPZ1DA	102
	RPZ3DA	102
	RPZ4DA	140
mounting adaptor with fixing lugs for panel - for power relay socket RPZ	RPZ1FA	102
	RPZ3FA	102
	RPZ4FA	140

RPF Power Relays

Control Circuit Voltage	Reference	Unit LP 
<b>N/O - 30 AMPS Contact Rating</b>		
24 V DC	RPF2ABD	1571
120 V AC	RPF2AF7	1571
230 V AC	RPF2AP7	1496
<b>Change Over - 30 AMPS Contact Rating</b>		
12 V DC	RPF2BJD	1318
24 V AC	RPF2BB7	1318
24 V DC	RPF2BBD	1513
110 V DC	RPF2BFD	1318
120 V AC	RPF2BF7	1689
230 V AC	RPF2BP7	1557



## RE17 Electronic Timers

NEW

Description	Reference	Unit LP
On Delay Timer 24 240 Vac	RE17LAMW	2007
Off Delay Timer 24 240VAC	RE17LCBM	2393
Timer Function H Solid State Output 24 240VAC	RE17LHBM	2974
Flashing Timer	RE17LLBM	2443
Multi Function Timer	RE17LMBM	2419
Timer Function A at 1C O 24VAC DC 240VAC	RE17RAMU	1919
Timer Function B 1C O 24VAC DC 240VAC	RE17RBMU	2853
Timer Function C 1C O 24VAC DC 240VAC	RE17RCMU	2007
Timer Function H Ht 1C O 24VAC DC 240VAC	RE17RHMU	2007
Flashing Timer	RE17RLJU	2608
Timer Function L Li 1C O 24VAC DC 240VAC	RE17RLMU	2608
MultiFunction Timer 1C O 24VAC DC 240VAC	RE17RMEMU	2391
10 X MultiFunction Timer 1C O 12VAC DC	RE17RMJU	2468
MultiFunction Timer 1C O 24VAC DC 240VAC	RE17RMMU	2468
MultiFunction Timer 1C O 12 240VAC DC	RE17RMMW	2750
MultiFunction Timer 1C O 12 240VAC DC	RE17RMMWS	2877
MultiFunction Timer 1C O 24VAC DC 240VAC	RE17RMXMU	3017

## RE10 Electronic Timer and RM10 Control Relays

NEW

Description	Reference	Unit LP
Multifunction Timer Relay	RE10RMMU	1500
3 Phase/Asymmetry Control Relay	RM10TE00	2150
Phase Control Relay	RM10TG00	1900

## Biometric Switch

Description	Reference	Unit LP [₹]
Bistable biometric switch, 24 V DC - PNP - by 2m cable	XB5S1B2L2	29679
Bistable biometric switch, 24 V DC - PNP - by M12 connector	XB5S1B2M12	31312
Monostable biometric switch, 24 V DC - PNP - by 2m cable	XB5S2B2L2	30066
Monostable biometric switch, 24 V DC - PNP - by M12 connector	XB5S2B2M12	31216

## Accessories

Description	Reference	Unit MRP [₹]
Protective cover, translucent & self adhesive	ZB5SZ70	739
Diameter 22 mm nut	ZB5SZ71	293
Legend plate 28X7 mm	ZBY0101T	135

## Pushbuttons

Description	Type of Contact	Colour	Reference	Unit LP [₹]
<b>Spring return</b>				
	NO	White	XB5AA11N	139
	NO	Black	XB5AA21N	139
	NO	Green	XB5AA31N	139
Flush	NO	Yellow	XB5AA51N	139
	NO	Blue	XB5AA61N	139
	NC	Red	XB5AA42N	139
	NO	Red	XB5AA41N	139
	NO	Blank	XB5AA01N*	139
		NO	White	XB5AL11N
	NO	Black	XB5AL21N	169
	NO	Green	XB5AL31N	169
Projecting	NO	Yellow	XB5AL51N	169
	NO	Blue	XB5AL61N	169
	NC	Red	XB5AL42N	169
	NO	Red	XB5AL41N	169
Flush with silicon transparent boot	NO	Black	XB5AP21N	198
	NO	Green	XB5AP31N	198
	NO	Yellow	XB5AP51N	198
	NO	Blue	XB5AP61N	198
	NC	Red	XB5AP42N	198
	NO	Green	XB5AA3311N	197
	NC	Red	XB5AA4322N	197
Flush, marked (double molding /injection marking)	NO	Green	XB5AA3331N	197
	NC	Red	XB5AA4342N	197
	NO	Green	XB5AA3411N	197
	NC	Red	XB5AA4352N	197
Projecting, marked (double molding /injection marking)	NC	Red	XB5AL4342N	200
	NC	Red	XB5AL4352N	200
Flush, marked "I/O"	NO+NC	Green	XB5AL845N	977


## Pilot lights

Description	Supply Voltage	Colour	Reference	Unit LP [₹]	
<b>With smooth lens (except clear colour)</b>					
	~ 24V	White	XB7EV01BPN	222	
		Green	XB7EV03BPN	205	
		Red	XB7EV04BPN	205	
		Yellow	XB7EV05BPN	205	
		Amber	XB7EV08BPN	205	
		Blue	XB7EV06BPN	425	
		Clear	XB7EV07BPN*	205	
		White	XB7EV01GPN	222	
		Green	XB7EV03GPN	205	
		Red	XB7EV04GPN	205	
Direct Integral LED	~ 120V	Yellow	XB7EV05GPN	205	
		Amber	XB7EV08GPN	205	
		Blue	XB7EV06GPN	425	
		Clear	XB7EV07GPN*	205	
		White	XB7EV01MPN	222	
		Green	XB7EV03MPN	205	
		Red	XB7EV04MPN	205	
		~ 230V	Yellow	XB7EV05MPN	205
			Amber	XB7EV08MPN	205
			Blue	XB7EV06MPN	425
	Clear	XB7EV07MPN*	205		

\* Clear type pilot lights are provided with striated lens.



## Illuminated Pushbutton

Description	Type of Contact	Colour	Reference	Unit LP 
<b>With smooth lens (except clear colour)</b>				
Flush Integral LED $\approx$ 24V	NO	White	XB5AW31B1N <input checked="" type="checkbox"/>	404
	NO	Green	XB5AW33B1N <input checked="" type="checkbox"/>	405
	NC	Red	XB5AW34B2N <input checked="" type="checkbox"/>	405
	NO	Yellow	XB5AW35B1N <input checked="" type="checkbox"/>	405
	NO	Amber	XB5AW38B1N <input checked="" type="checkbox"/>	451
	NO	Blue	XB5AW36B1N <input checked="" type="checkbox"/>	784
	NO	Clear	XB5AW37B1N*	784
Projecting Integral LED $\approx$ 24V	NO	White	XB5AW11B1N	398
	NO	Green	XB5AW13B1N <input checked="" type="checkbox"/>	405
	NC	Red	XB5AW14B2N <input checked="" type="checkbox"/>	405
	NO	Yellow	XB5AW15B1N	405
	NO	Amber	XB5AW18B1N	398
	NO	Blue	XB5AW16B1N	769
	NO	Clear	XB5AW17B1N*	398
Push Integral LED $\approx$ 24V	NO	White	XB5AH31B1N	535
	NO	Green	XB5AH33B1N	535
	NC	Red	XB5AH34B2N	535
	NO	Yellow	XB5AH35B1N	535
	NO	Amber	XB5AH38B1N	535
	NO	Blue	XB5AH36B1N	795
	NO	Clear	XB5AH37B1N*	535
Flush Integral LED $\sim$ 110V	NO	White	XB5AW31G1N	495
	NO	Green	XB5AW33G1N <input checked="" type="checkbox"/>	495
	NC	Red	XB5AW34G2N <input checked="" type="checkbox"/>	495
	NO	Yellow	XB5AW35G1N	784
	NO	Amber	XB5AW38G1N	472
	NO	Blue	XB5AW36G1N	784
	NO	Clear	XB5AW37G1N*	871
Flush Integral LED $\sim$ 230V	NO	White	XB5AW31M1N <input checked="" type="checkbox"/>	462
	NO	Green	XB5AW33M1N <input checked="" type="checkbox"/>	405
	NC	Red	XB5AW34M2N <input checked="" type="checkbox"/>	405
	NO	Yellow	XB5AW35M1N <input checked="" type="checkbox"/>	405
	NO	Amber	XB5AW38M1N <input checked="" type="checkbox"/>	451
	NO	Blue	XB5AW36M1N <input checked="" type="checkbox"/>	784
	NO	Clear	XB5AW37M1N*	871
Projecting Integral LED $\sim$ 230V	NO	White	XB5AW11M1N	510
	NO	Green	XB5AW13M1N	405
	NC	Red	XB5AW14M2N	405
	NO	Yellow	XB5AW15M1N	405
	NO	Amber	XB5AW18M1N	398
	NO	Blue	XB5AW16M1N	769
	NO	Clear	XB5AW17M1N*	398
Push Integral LED $\sim$ 230V	NO	White	XB5AH11M1N	593
	NO	Green	XB5AH13M1N <input checked="" type="checkbox"/>	535
	NC	Red	XB5AH14M2N <input checked="" type="checkbox"/>	535
	NO	Yellow	XB5AH15M1N	535
	NO	Amber	XB5AH18M1N	535
	NO	Blue	XB5AH16M1N	795
	NO	Clear	XB5AH17M1N*	535

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

## Non-Illuminated Pushbutton

Description	Dia of Head	Type of Contact	Colour	Reference	Unit LP
<b>Mushroom Head</b>					
	40	NO	Black	XB5AC21N	269
		NO	Green	XB5AC31N	269
		NC	Red	XB5AC42N	269
		NO	Red	XB5AC41N	269
		NO	Yellow	XB5AC51N	269
Spring return	60	NO	Blue	XB5AC61N	269
		NO	Black	XB5AR21N	350
		NO	Green	XB5AR31N	
		NC	Red	XB5AR42N	
		NO	Red	XB5AR41N	
		NO	Yellow	XB5AR51N	
Turn to release	30	NC	Black	XB5AS422N	
		NC	Red	XB5AS442N	263
		NC	Black	XB5AS522N	267
Key release (n°155)	40	NC	Red	XB5AS142N	475
		NC	Red	XB5AS122N	
Trigger action turn to release	40	NC+NO	Red	XB5AS8445N	580
Trigger action key to release	40	NO+NC	Red	XB5AS9445N	612
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 LP	
<b>Double Headed Pushbuttons (Spring return)</b>					
1 flush push (marked "I")	~ 24V	NO+NC	XB5AW84B5N	969	
1 pilot light	~ 110V	NO+NC	XB5AW84G5N		
1 projecting push (marked "O")	~ 230V	NO+NC	XB5AW84M5N		
<b>Mushroom Head Pushbuttons (Illuminated)</b>					
Turn to release	~ 24V	NC	Red	XB5AW74B2N	555
	~ 230V-240V	NC	Red	XB5AW74M2N	

## Illuminated - Selector switch

Description	Type of Contact	Colour	Reference	Unit LP
2 stay put ~ 24V	NO	White	XB5AK121B1N	674
	NO	Green	XB5AK123B1N	584
	NC	Red	XB5AK124B2N	584
	NO	Yellow	XB5AK125B1N	584
	NO	Blue	XB5AK126B1N	948
2 spring return from right to left ~ 24V	NO	White	XB5AK141B1N	1025
	NO	Green	XB5AK143B1N	1025
	NC	Red	XB5AK144B2N	1025
	NO	Yellow	XB5AK145B1N	1025
	NO	Blue	XB5AK146B1N	1246
3 stay put ~ 24V	2NO	White	XB5AK131B3N	888
	2NO	Green	XB5AK133B3N	613
	1NO+1NC	Red	XB5AK134B5N	613
	2NO	Yellow	XB5AK135B3N	613
	2NO	Blue	XB5AK136B3N	1150
3 spring return to centre ~ 24V	2NO	White	XB5AK151B3N	665
	2NO	Green	XB5AK153B3N	614
	1NO+1NC	Red	XB5AK154B5N	895
	2NO	Yellow	XB5AK155B3N	895
	2NO	Blue	XB5AK156B3N	1353
2 stay put ~ 230V	NO	White	XB5AK121M1N	674
	NO	Green	XB5AK123M1N	584
	NC	Red	XB5AK124M2N	584
	NO	Yellow	XB5AK125M1N	584
	NO	Blue	XB5AK126M1N	948
2 spring return right to left ~ 230V	NO	White	XB5AK141M1N	1025
	NO	Green	XB5AK143M1N	1025
	NC	Red	XB5AK144M2N	1025
	NO	Yellow	XB5AK145M1N	1025
	NO	Blue	XB5AK146M1N	1246
3 stay put ~ 230V	2NO	White	XB5AK131M3N	888
	2NO	Green	XB5AK133M3N	613
	1NO+1NC	Red	XB5AK134M5N	613
	2NO	Yellow	XB5AK135M3N	613
	2NO	Blue	XB5AK136M3N	1150
3 spring return to center ~ 230V	2NO	White	XB5AK151M3N	665
	2NO	Green	XB5AK153M3N	614
	1NO+1NC	Red	XB5AK154M5N	895
	2NO	Yellow	XB5AK155M3N	895
	2NO	Blue	XB5AK156M3N	1353

## Non Illuminated Selector switches & Key switches

Description	Type of Contact	Reference	Unit LP [₹]
Standard handle black	2 stay put	1NO XB5AD21N <input checked="" type="checkbox"/>	340
	2 spring return, right to left	1NO XB5AD41N <input checked="" type="checkbox"/>	543
	3 stay put	2NO XB5AD33N <input checked="" type="checkbox"/>	371
	3 spring return to center	2NO XB5AD53N <input checked="" type="checkbox"/>	396
	3 spring return, left to center	2NO XB5AD73N <input checked="" type="checkbox"/>	396
	3 spring return, right to center	2NO XB5AD83N <input checked="" type="checkbox"/>	425
	Long handle black	2 stay put	1NO XB5AJ21N <input checked="" type="checkbox"/>
3 stay put		2NO XB5AJ33N <input checked="" type="checkbox"/>	382
3 Spring return to center		2NO XB5AJ53N <input checked="" type="checkbox"/>	399
Key switch	2 stay put*	1NO XB5AG21N <input checked="" type="checkbox"/>	522
	2 stay put*	1NO XB5AG021N	596
	2 stay put*	1NO XB5AG41N	522
	2 spring return, right to left	1NO XB5AG61N	927
	3 stay put*	2NO XB5AG53N <input checked="" type="checkbox"/>	555
	3 stay put*	2NO XB5AG03N <input checked="" type="checkbox"/>	443
	3 stay put*	2NO XB5AG33N <input checked="" type="checkbox"/>	586
	3 spring return to center	2NO XB5AG73N <input checked="" type="checkbox"/>	856
	3 spring return, left to center	2NO XB5AG13N	586
	3 spring return, right to center	2NO XB5AG083N	753

\* Please refer catalogue for Key withdrawal position

## Accessories

Description	Legend Colour	Marking	Reference	Unit LP [₹]
With blank legend (for engraving)	Black/Red bkgd.	Blank	ZBY2101N <input checked="" type="checkbox"/>	94
	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 LP [₹]
Flush	White	ZBA1N	94
	Black	ZBA2N	94
	Red	ZBA4N	94
	Yellow	ZBA5N	136
	Blue	ZBA6N	94
	Set of 6 colours*	ZBA9N	136
Projecting	White	ZBL1N	136
	Black	ZBL2N	94
	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	Colour Text	Colour of Cap	Reference	Unit LP [₹]	
Projecting Flush (Double injection moulded marking)	STOP	White	Red	ZBL434N	94
	I	White	Green	ZBA331N	94
	START	White	Green	ZBA333N	94
	ON	White	Green	ZBA341N**	136
	STOP	White	Red	ZBA434N	94
	UP	Black	White	ZBA343N	136
	DOWN	White	Black	ZBA344N	136
	OFF	White	Red	ZBA434N	94

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

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

## Accessories

Description	Application	Reference	Unit LP [₹]
Plastic blanking plug, round black,	For Ø 22 control and signalling units with circular head	ZB5SZ3N <input checked="" type="checkbox"/>	94
Anti rotation plate,	Prevents head from rotation	ZB5AZ902N <input checked="" type="checkbox"/>	26
Fixing collar	To fix contacts or lights	ZB5AZ009N <input checked="" type="checkbox"/>	94
Fixing nut		ZB5AZ901N	26

## Contact blocks with screw clamp terminal connections





Description	Type of Contact	Reference	Unit LP [₹]
Standard single	1NO	ZBE101N <input checked="" type="checkbox"/>	78
Contact blocks	1NC	ZBE102N <input checked="" type="checkbox"/>	

## Clear silicon boots

Description	Reference	Unit LP [₹]
Boot for cylindrical flush PB	ZBPAN <input checked="" type="checkbox"/>	53
Boot for cylindrical projecting PB	ZBP0N	55
Boot for double illuminated PB and non-illuminated PB	ZBW008N	94




Light block with screw clamp terminal connections

Description	Supply Voltage	Colour of Light source	Reference	Unit LP 
Integral LED	~ 24V	White	ZBVB1N	251
		Green	ZBVB3N 	251
		Red	ZBVB4N	251
		Yellow	ZBVB5SN	251
		Amber	ZBVB8N	251
		Blue	ZBVB6N	666
	~ 110V	White	ZBVG1N	325
		Green	ZBVG3N	325
		Red	ZBVG4N	325
		Yellow	ZBVG5SN	850
		Amber	ZBVG8N	325
		Blue	ZBVG6N	672
	~ 220V	White	ZBVM1N	395
		Green	ZBVM3N 	260
		Red	ZBVM4N 	260
		Yellow	ZBVM5SN	260
		Amber	ZBVM8N	260
		Blue	ZBVM6N	672
Direct bulb holder without resistance	~ 130V	-	ZBV6N	154


### Flush mounting kit



- Only addition to the BOM is a flush mounting kit
- Installation into a 30.50 mm hole
- New aesthetics for machine control panel using the same control devices as before
- Possibility to refurbish old machine with new style

Product description timer	Reference	Unit LP 
Metal flush mounting kit (PB and PL).	ZB4BZ021	Contact Sales
Metal flush mounting kit (SS and IPB).	ZB4BZ022	Contact Sales
Plastic flush mounting kit (PB and PL).	ZB5AZ021	Contact Sales
Plastic flush mounting kit (SS and IPB).	ZB5AZ022	Contact Sales
Plastic flush mounting kit for legend 8x27 (PB and PL).	ZB5AZ023	Contact Sales
Plastic flush mounting kit for legend 8x27 (SS and IPB).	ZB5AZ024	Contact Sales
Plastic flush mounting kit for legend 18x27 (PB and PL).	ZB5AZ025	Contact Sales
Plastic flush mounting kit for legend 18x27 (SS and IPB).	ZB5AZ026	Contact Sales




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

Description	Colour	Reference	Unit LP 
≈ 24V	White	ZALVB1	500
	Green	ZALVB3	500
	Red	ZALVB4	500
	Yellow	ZALVB5	500
	Blue	ZALVB6	545
	~ 120V	White	ZALVG1
Green		ZALVG3	727
Red		ZALVG4	568
Yellow		ZALVG5	631
Blue		ZALVG6	631
~ 220V		White	ZALVM1
	Green	ZALVM3	901
	Red	ZALVM4	762
	Yellow	ZALVM5	693
	Blue	ZALVM6	714
	≈ 24V	White	ZBVB1
Green		ZBVB3	343
Red		ZBVB4	343
Yellow		ZBVB5	334
Blue		ZBVB6	434
~ 120V		White	ZBVG1
	Green	ZBVG3	454
	Red	ZBVG4	553
	Yellow	ZBVG5	536
	Blue	ZBVG6	1014
	~ 220V	White	ZBVM1
Green		ZBVM3	434
Red		ZBVM4	434
Yellow		ZBVM5	441
Blue		ZBVM6	530



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

Description	No. of ways	Color of Enclosure	Reference	Unit LP 
For normal environment Light grey base IP65	1	Dark grey	XALD01 	565
	2	Dark grey	XALD02 	699
	3	Dark grey	XALD03	851
	4	Dark grey	XALD04 	1163
	5	Dark grey	XALD05	1519
For normal environment Light Grey base IP54	1	Yellow	XALK01 	617
	2	Light Grey	XALE2	466
	3	Light Grey	XALE3	569




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

Description	Contacts Type and Composition	Reference	Unit LP 
Standard single	1 NO	ZENL1111 	298
Contact block	1 NC	ZENL1121 	


## XVB-C Illuminated Lens Units

Description	light Block Colour	Reference	Unit LP 
lens unit - steady light - 250 V 10 W	green	XVBC33	2154
	red	XVBC34	2196
	orange	XVBC35 	2196
	blue	XVBC36	2154
	clear	XVBC37	2196
	yellow	XVBC38	2154
lens unit - flashing light - 24..48 V DC 24 V AC	green	XVBC4B3	5958
	red	XVBC4B4	5958
	orange	XVBC4B5	5958
	blue	XVBC4B6	5958
	clear	XVBC4B7	5958
	yellow	XVBC4B8	5852
lens unit - flashing light - 48..230 V AC	green	XVBC4M3	5812
	red	XVBC4M4	6086
	orange	XVBC4M5	5958
	blue	XVBC4M6	6073
	clear	XVBC4M7	5812
	yellow	XVBC4M8	5812
lens unit - steady light - 24 V AC DC	green	XVBC2B3	4830
	red	XVBC2B4	4830
	orange	XVBC2B5	4830
	blue	XVBC2B6	6232
	clear	XVBC2B7	6232
	yellow	XVBC2B8	4738
lens unit - steady light - 120 V AC	green	XVBC2G3	4600
	red	XVBC2G4	4738
	orange	XVBC2G5	4784
	blue	XVBC2G6	5800
	clear	XVBC2G7	5800
	yellow	XVBC2G8	4808
lens unit - steady light - 230 V AC	green	XVBC2M3	4738
	red	XVBC2M4	4738
	orange	XVBC2M5	4738
	blue	XVBC2M6	6383
	clear	XVBC2M7	5990
	yellow	XVBC2M8	5012
lens unit - flashing light - 24 V AC DC	green	XVBC5B3	8269
	red	XVBC5B4	8018
	orange	XVBC5B5	8338
	blue	XVBC5B6	10107
	clear	XVBC5B7	6655
	yellow	XVBC5B8	7971
lens unit - flashing light - 120 V AC	green	XVBC5G3	8268
	red	XVBC5G4	8259
	orange	XVBC5G5	8110
	blue	XVBC5G6	10067
	clear	XVBC5G7	9454
	yellow	XVBC5G8	8228
lens unit - flashing light - 230 V AC	red	XVBC5M4	8180
	orange	XVBC5M5	8259
	blue	XVBC5M6	10303
	clear	XVBC5M7	9454
	yellow	XVBC5M8	8259
	flashing unit - integral LED - 230..240 V AC	green	XVBC5M3

## XVB Units

Description	Reference	Unit LP 
<b>XVB Audible Signalling Unit</b>		
sound unit - continuous or intermittent buzzer - 75..90 dB - 12..48 V AC DC	XVBC9B 	6735
sound unit - continuous or intermittent buzzer - 75..90 dB - 120..230 V AC	XVBC9M	11320
<b>XVB Base Unit + Cover</b>		
base unit + cover for bank XVB - without flash discharge tube - black - IP 65	XVBC21 	3045
<b>XVB Accessories</b>		
fixing base on vertical surface - zamak black - XVB	XVBC12	1845
lateral cable entry kit with Pg 13.5 cable gland - XVB	XVBC14	401
set of coloured indicator pins - 6 colors - XVB	XVBC22	333
support tube + fixing base l=400 mm - aluminium black - XVB	XVBZ03	2535
support tube + fixing base l=80 mm - aluminium black - XVB	XVBZ02	1915
support tube + fixing base l=800 mm - aluminium black - XVB	XVBZ04	3774
<b>XVB Incandescent Bulb</b>		
clear incandescent bulb for signalling - BA 15d - 24 V 10 W	DL1BLB	286
clear incandescent bulb for signalling - BA 15d - 48 V 10 W	DL1BLE	294
clear incandescent bulb for signalling - BA 15d - 120 V 10 W	DL1BLG	466
clear incandescent bulb for signalling - BA 15d - 12 V 10 W	DL1BLJ	285
clear incandescent bulb for signalling - BA 15d - 230 V 10 W	DL1BLM	311

## XVB LED BA 15d Base Fitting

[Us] Rated Supply Voltage	Signalling Colour	Reference	Unit LP 
24 V	White	DL1BDB1	3834
	Green	DL1BDB3	3067
	Red	DL1BDB4	3067
	Blue	DL1BDB6	3477
120 V AC	Yellow-Orange	DL1BDB8	3603
	blue	DL1BDG6	4486
	green	DL1BDG3	3556
	red	DL1BDG4	3504
	white	DL1BDG1	4486
	Yellow-Orange	DL1BDG8	3718
230 V AC	blue	DL1BDM6	4486
	green	DL1BDM3	3896
	red	DL1BDM4	3791
	white	DL1BDM1	4486
	Yellow-Orange	DL1BDM8	3584



- Motor less + LED Flashing
- External Buzzer volume adjustor 70 DB to 90 DB
- Straight & Side wiring- more flexible

## XVR3 Multifunctional LED Beacon NEW

Description	Reference	Unit LP
Multi-functional LED Beacon green without buzzer DC/AC 12~24V	XVR3B03	Contact Sales
Multi-functional LED Beacon red without buzzer DC/AC 12~24V	XVR3B04	Contact Sales
Multi-functional LED Beacon orange without buzzer DC/AC 12~24V	XVR3B05	Contact Sales
Multi-functional LED Beacon blue without buzzer DC/AC 12~24V	XVR3B06	Contact Sales
Multi-functional LED Beacon green without buzzer AC 100~230V	XVR3M03	Contact Sales
Multi-functional LED Beacon red without buzzer AC 100~230V	XVR3M04	Contact Sales
Multi-functional LED Beacon Orange without buzzer AC 100~230V	XVR3M05	Contact Sales
Multi-functional LED Beacon Blue without buzzer AC 100~230V	XVR3M06	Contact Sales
Multi-functional LED Beacon green with buzzer DC/AC 12~24V	XVR3B03S	Contact Sales
Multi-functional LED Beacon red with buzzer DC/AC 12~24V	XVR3B04S	Contact Sales
Multi-functional LED Beacon orange with buzzer DC/AC 12~24V	XVR3B05S	Contact Sales
Multi-functional LED Beacon blue with buzzer DC/AC 12~24V	XVR3B06S	Contact Sales
Multi-functional LED Beacon green with buzzer AC 100~230V	XVR3M03S	Contact Sales
Multi-functional LED Beacon red with buzzer AC 100~230V	XVR3M04S	Contact Sales
Multi-functional LED Beacon orange with buzzer AC 100~230V	XVR3M05S	Contact Sales
Multi-functional LED Beacon blue with buzzer AC 100~230V	XVR3M06S	Contact Sales
Multi-functional LED Beacon green without buzzer DC48V	XVR3E03	Contact Sales
Multi-functional LED Beacon red without buzzer DC48V	XVR3E04	Contact Sales
Multi-functional LED Beacon orange without buzzer DC48V	XVR3E05	Contact Sales
Multi-functional LED Beacon blue without buzzer DC48V	XVR3E06	Contact Sales
Multi-functional LED Beacon, External lens	XVR3Z001	Contact Sales

## XVR Bulbs

Description	[Us] Rated Supply Voltage	Reference	Unit LP
<b>BA 15d Base fitting</b>			
clear halogen bulb for signalling - BA 15d - 70 W	24 V AC/DC	DL1BRBH	2712

## Accessories and spare parts


Description	cap/ operator Or Lens Colour	Reference	Unit LP
fixing base on vertical surface - black		XVR012	2123
fixing base for support tube with tapping 1/2 " NPT - black		XVR013	1223
green domed lens - Ø 165	green	XVR0153	4581
red domed lens - Ø 165	red	XVR0154	4581
orange domed lens - Ø 165	orange	XVR0155	4581
blue domed lens - Ø 165	blue	XVR0156	4581
yellow domed lens - Ø 165	yellow	XVR0158	4581
protective grid for lens unit		XVR016	2059

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


## XVS Sirens

Description	Reference	Unit LP
2 Tones siren - 106 dB - 12...24V AC/DC - White	XVS10BMW	19000
2 Tones siren - 106 dB - 120V AC - White	XVS10GMW	19000
2 Tones siren - 106 dB - 230V AC - White	XVS10MMW	19000

## DL1 Incandescent Bulb


Description	light Block Colour	Reference	Unit LP 
clear incandescent bulb for signalling - BA 15d - 24 V 4 W		DL1BEBS	271
clear incandescent bulb for signalling - BA 15d - 120 V 7 W		DL1BEG	279
clear incandescent bulb for signalling - BA 15d - 230 V 5 W		DL1BEMS	295

## XVR Rotating Mirror Beacon

Description	light Block Colour	Reference	Unit LP 
Rotating mirror beacon - 70W - 24V AC DC	green	XVR1B93	13437
	red	XVR1B94	14858
	orange	XVR1B95	13385
	blue	XVR1B96	13437
	yellow	XVR1B98	13385
Rotating mirror beacon w/o buzzer XVR - Ø 84 - 24 V AC DC	Green	XVR08B03	10629
Rotating mirror beacon w/o buzzer XVR - Ø 106 - 24 V AC DC	Green	XVR10B03	10629
Rotating mirror beacon with buzzer XVR - Ø 120 - 24 V AC DC	Green	XVR12B03	13547
Rotating mirror beacon w/o buzzer XVR - Ø 130 - 24 V AC DC	Red	XVR13B04L	10943
	Orange	XVR13B05L	10943
Rotating mirror beacon w/o buzzer XVR - Ø 84 - 24 V AC DC	Blue	XVR08B06	11592
Rotating mirror beacon w/o buzzer XVR - Ø 106 - 24 V AC DC	Blue	XVR10B06	11592
Rotating mirror beacon w/o buzzer XVR - Ø 120 - 24 V AC DC	Blue	XVR12B06	14056
Rotating mirror beacon w/o buzzer XVR - Ø 130 - 120 V AC	Red	XVR13G04L	12932
	Orange	XVR13G05L	11592
Rotating mirror beacon w/o buzzer XVR - Ø 130 - 230 V AC	Red	XVR13M04L	14168
	Orange	XVR13M05L	13057

## XVM Series

Tower Light with Super Bright LED and integral light diffuser

Description	Reference	Unit LP 
Complete Tower 24 V AC/DC Without Buzzer	XVMB2RSB	3086
	XVMB2RASB	2950
	XVMB2RGSB	4510
	XVMB2RAGSB	5989
	XVMB2R6AGSB	6550
Complete Tower 24 V AC/DC With Buzzer	XVMB2RSSB	3475
	XVMB2RASSB	4850
	XVMB2RGSSB	5112
	XVMB2RAGSSB	7737
	XVMB2R6AGSSB	10368
Complete Tower 120 V AC Without Buzzer	XVMG2RSB	4040
	XVMG2RASB	4380
	XVMG2RGSB	4367
	XVMG2RAGSB	5400
	XVMG2R6AGSB	7720
Complete Tower 120 V AC With Buzzer	XVMG2RSSB	4430
	XVMG2RASSB	5564
	XVMG2RGSSB	5680
	XVMG2RAGSSB	6980
	XVMG2R6AGSSB	9233
Complete Tower 230 V AC Without Buzzer	XVMM2RSB	3888
	XVMM2RASB	4200
	XVMM2RGSB	4402
	XVMM2RAGSB	7153
	XVMM2R6AGSB	8251
Complete Tower 230 V AC With Buzzer	XVMM2RSSB	6041
	XVMM2RASSB	5850
	XVMM2RGSSB	6075
	XVMM2RAGSSB	7467
	XVMM2R6AGSSB	9565

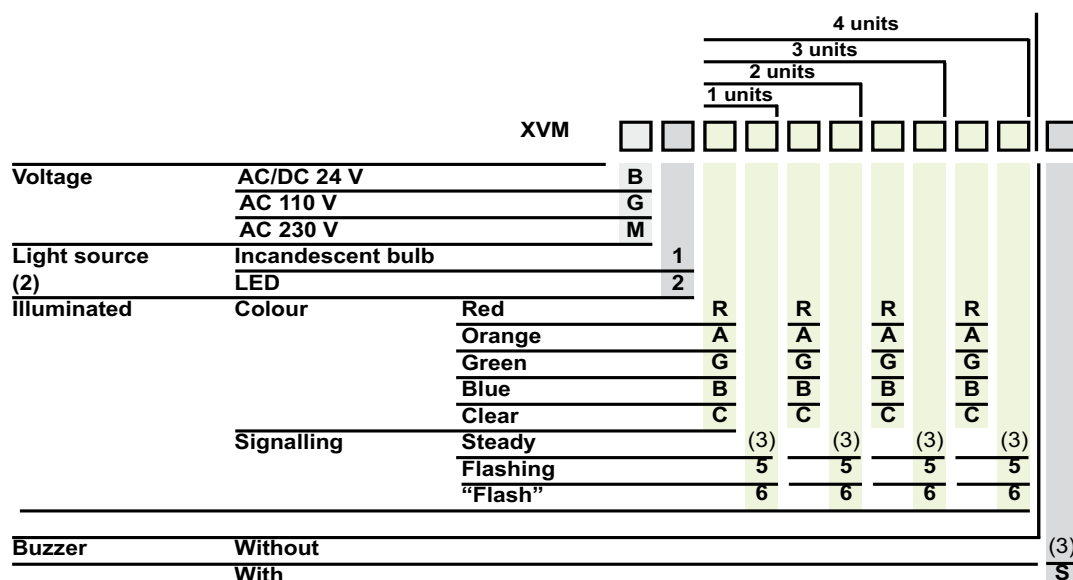
## XVM Series

Description	Reference	Unit LP
Base and Cover	XVMC21	642
Tube and Base	XVMC213T	1225
Base with Buzzer 24V	XVMC29B	1844
Tube and Base with Buzzer 24V	XVMC29B3T	2565
Tube and Base with Buzzer 120V	XVMC29G3T	2629
Base with Buzzer 230V	XVMC29M	1921
Green Lens	XVMC33	712
Red Lens	XVMC34	712
Yellow Lens	XVMC35	712
Blue Lens	XVMC36	712
Clear Lens	XVMC37	712
100mm Aluminium Tube with Stand	XVMZ02	590
100mm Aluminium Tube with Bracket	XVMZ02T	716
250mm Aluminium Tube with Stand	XVMZ03	823
250mm Aluminium Tube with Bracket	XVMZ03T	854
400mm Aluminium Tube with Stand	XVMZ04	1187
Cover for Replacement	XVMZ081	164
Tool for Bulb	ZBZX13	174
Incandescent Bulb 24 V	DL1EDBS	197
Incandescent Bulbs 120 V	DL1EDGS	193
Incandescent Bulbs 230 V	DL1EDMS	193
White Led Bulb 24 V	DL2EDB1SB	955
Green Led Bulb 24 V	DL2EDB3SB	955
Red Led Bulb 24 V	DL2EDB4SB	955
Blue Led Bulb 24 V	DL2EDB6SB	1124
Orange Led Bulb 24 V	DL2EDB8SB	936

## XVM Series

Description	Reference	Unit LP
White Led Bulb 120 V	DL2EDG1SB	1173
Green Led Bulb 120 V	DL2EDG3SB	1100
Red Led Bulb 120 V	DL2EDG4SB	1100
Blue Led Bulb 120 V	DL2EDG6SB	1100
Orange Led Bulb 120 V	DL2EDG8SB	1100
White Led Bulb 230 V	DL2EDM1SB	1145
Green Led Bulb 230 V	DL2EDM3SB	1080
Red Led Bulb 230 V	DL2EDM4SB	1123
Blue Led Bulb 230 V	DL2EDM6SB	1145
Orange Led Bulb 230 V	DL2EDM8SB	1123
White Flashing Led Bulb 24 V	DL2EKB1SB	1232
Green Flashing Led Bulb 24 V	DL2EKB3SB	1294
Red Flashing Led Bulb 24 V	DL2EKB4SB	1269
Blue Flashing Led Bulb 24 V	DL2EKB6SB	1294
Orange Flashing Led Bulb 24 V	DL2EKB8SB	1269
White Flashing Led Bulb 120 V	DL2EKG1SB	1415
Green Flashing Led Bulb 120 V	DL2EKG3SB	1486
Red Flashing Led Bulb 120 V	DL2EKG4SB	1486
Blue Flashing Led Bulb 120 V	DL2EKG6SB	1415
Orange Flashing Led Bulb 120 V	DL2EKG8SB	1486
White Flashing Led Bulb 230 V	DL2EKM1SB	1534
Green Flashing Led Bulb 230 V	DL2EKM3SB	1534
Red Flashing Led Bulb 230 V	DL2EKM4SB	1555
Blue Flashing Led Bulb 230 V	DL2EKM6SB	1534
Orange Flashing Led Bulb 230 V	DL2EKM8SB	1534
Strobe Bulb 24V	DL6BB	2601
Strobe Bulb 120V	DL6BG	2544
Strobe Bulb 230 V	DL6BM	2544

### Breakdown of the reference for a complete indicator bank



#### 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 , Monoethic , Economical Version , XVGB-Series with LED for steady light - 24VDC

Description	References	Unit LP 
<b>With aluminium tube mounting and L-bracket</b>		
<b>Without Buzzer</b>		
2-Stage Red, Green	XVGB2	2764
3-Stage Red, Amber, Green	XVGB3	3131
4-Stage Red, Amber, Green, Blue	XVGB4	3770
<b>With Buzzer</b>		
2-Stage Red, Green	XVGB2S	3138
3-Stage Red, Amber, Green	XVGB3S	3559
4-Stage Red, Amber, Green, Blue	XVGB4S	3789
<b>With direct aluminium tube mounting</b>		
<b>Without Buzzer</b>		
2-Stage Red, Green	XVGB2T	2848
3-Stage Red, Amber, Green	XVGB3T	3462
4-Stage Red, Amber, Green, Blue	XVGB4T	4077
<b>With Buzzer</b>		
2-Stage Red, Green	XVGB2ST	3488
3-Stage Red, Amber, Green	XVGB3ST	3584
4-Stage Red, Amber, Green, Blue	XVGB4ST	4572
<b>With aluminium tube mounting and fixing plate</b>		
<b>Without Buzzer</b>		
2-Stage Red, Green	XVGB2H	2764
3-Stage Red, Amber, Green	XVGB3H	3163
4-Stage Red, Amber, Green, Blue	XVGB4H	4150
<b>With Buzzer</b>		
2-Stage Red, Green	XVGB2SH	3378
3-Stage Red, Amber, Green	XVGB3SH	3643
4-Stage Red, Amber, Green, Blue	XVGB4SH	4539
<b>With aluminium tube mounting and foldable bracket</b>		
<b>Without Buzzer</b>		
2-Stage Red, Green	XVGB2M	3168
3-Stage Red, Amber, Green	XVGB3M	3463
4-Stage Red, Amber, Green, Blue	XVGB4M	4180
<b>With Buzzer</b>		
2-Stage Red, Green	XVGB2SM	3436
3-Stage Red, Amber, Green	XVGB3SM	3760
4-Stage Red, Amber, Green, Blue	XVGB4SM	3792
<b>With base mounting - Direct</b>		
<b>Without Buzzer</b>		
2-Stage Red, Green	XVGB2W	2597
3-Stage Red, Amber, Green	XVGB3W	3055
4-Stage Red, Amber, Green, Blue	XVGB4W	4008
<b>With Buzzer</b>		
2-Stage Red, Green	XVGB2SW	3040
3-Stage Red, Amber, Green	XVGB3SW	3438
4-Stage Red, Amber, Green, Blue 	XVGB4SW	4107
<b>XVG-USB Based Towerlights</b>		
Pre-assembled and pre-cabled Multicolor USB tower light 60mm IP42 Direct base mounting	XVGU3SWV	6741
Pre-assembled and pre-cabled Multicolor USB tower light 60mm IP42 With 100 mm aluminium tube mounting	XVGU3SHAV	7421



- one-hand operation
- Wireless e-stop compliant with SIL3
- 30h runtime, 15min to recharge
- Instant alarm notification by vibration
- 2.4GHz frequency Up to 50 systems at the same time










Radio Remote Control **NEW**

Description	References	Unit LP
ZART8L + ZARB12W	XARS8L12W	114939
ZART8L + ZARB12H	ZART8L + ZARB12H	117640
ZART8D + ZARB18W	XARS8D18W	125377
ZART8D + ZARB18H	XARS8D18H	127472
ZART12D + ZARB18W	XARS12D18W	125765
ZART12D + ZARB18H	XARS12D18H	124742
Starter kit = XARS8L12W + ZARC01 + ZARC02	XARSK8L12W	141781
Starter kit = XARS8L12H + ZARC01 + ZARC02	XARSK8L12H	140958
Starter kit = XARS8D18W + ZARC01 + ZARC02	XARSK8D18W	148505
Starter kit = XARS8D18H + ZARC01 + ZARC02	XARSK8D18H	150549
Starter kit = XARS12D18W + ZARC01 + ZARC02	XARSK12D18W	152606
Starter kit = XARS12D18H + ZARC01 + ZARC02	XARSK12D18H	150928
Basic features – 8 pushbuttons - LEDs	ZART8L	55263
Basic features – 8 pushbuttons - Display	ZART8D	60033
Extended features – 12 pushbuttons	ZART12D	60412
12 outputs wired connection – cable gland	ZARB12W	57107
12 outputs – industrial plug connection	ZARB12H	61236
18 outputs wired connection – cable gland	ZARB18W	64083
18 outputs – industrial plug connection	ZARB18H	66178
Charger	ZARC01	6488
Shoulder belt	ZARC02	6669
External antenna	ZARC03	18393
Holder	ZARC04	On Request
Connector plug female with cable 1.5m	ZARC05	20311
Cable gland kit with wire grommets	ZARC06	On Request
Kit of adhesive labels in B/W for remote device	ZARC07	On Request
Kit of adhesive labels in colour for remote device and crane equipment	ZARC08	On Request
Kit silent block for ZARB base station	ZARC09	On Request
Connector plug female with cable 3m	ZARC12	36065
Connector plug female with cable 5m	ZARC18	52378




## XAC-A Type

For Control Circuits

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

control Station Composition	mechanical Interlocking	contact Composition	Reference	Unit LP 
<b>For Single Hoist Motors</b>				
2 pushbuttons	with mechanical interlocking	1 NO	XACA201	4129
		1 NC + 1 NO	XACA205	4352
2 booted pushbuttons	with mechanical interlocking	1 NO	XACA211	4169
		1 NC + 1 NO	XACA215	4752
<b>For Single-Speed Motors</b>				
2 pushbuttons	with mechanical interlocking	1 NO	XACA271 	4234
		1 NC + 1 NO	XACA281 	4768
4 pushbuttons	with mechanical interlocking between pairs	1 NO	XACA471 	5400
		1 NC + 1 NO	XACA481 	6129
6 pushbuttons	with mechanical interlocking between pairs	1 NO	XACA671 	6310
		1 NC + 1 NO	XACA681 	7790
8 pushbuttons	with mechanical interlocking between pairs	1 NO (for 7 operators)	XACA871 	7390
		1 NO (for 8 operators)		
		1 NC + 1 NO	XACA881 	9245

## Joystick Controllers

Description	Legend plate without text	Legend plate Price	Reference	Unit LP 
<b>XD2-P (One Step in Each Position) Dia. 22mm</b>				
2-Direction Stay-Put	ZD2-GY2201	103	XD2PA12	4156
2-Direction Spring Return to Zero			XD2PA22 	4160
4-Direction Stay-Put	ZD2-GY4201	123	XD2PA14	5139
4-Direction Spring Return to Zero			XD2PA24 	5220
<b>XD2-G (Two steps in each position) Dia. 22mm</b>				
2 - Direction (2 notches with spring return to zero)	ZD2-GY5201	139	XD2GA8241	9976
2-Direction (1st notch stay-put, 2nd notch spring return to 1st)			XD2GA8251	9500
4-Direction spring (2 notches with spring return to zero)	ZD2-GY6201	146	XD2GA8441	13160
4-Direction (1st notch stay-put, 2nd notch spring return to 1st)			XD2GA8451	13710

## Foot Switch

contacts Type and Composition	Reference	Unit LP 
Insulated Enclosure 1 NC + 1 NO	XPEA110 	4183

# 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"/>	2630
		PNP NO	XUB5BPANM12 (Metal) <input checked="" type="checkbox"/>	3520
		PNP NO	XUB5APANL2 <input checked="" type="checkbox"/>	2630
		PNP NO	XUB5BPANL2 <input checked="" type="checkbox"/>	3520
Polarised reflex	2m	PNP NO	XUB9APANM12 <input checked="" type="checkbox"/>	2740
		PNP NO	XUB9BPANM12	3400
		PNP NO	XUB9APANL2	2950
Fixed Diffuse	100 mm	PNP NO	XUB4APANL2	2510
			XUB4BPANM12 (Metal) <input checked="" type="checkbox"/>	3120
		NPN NC	XUB4ANBNL2	2510
Reflex	4 m	PNP NO	XUB1APANL2 (Without Reflector)*	3400
			XUB1APANM12	3120
		PNP NC	XUB1BPANM12 (Metal)	3120
Receiver Thru Beam	15 m	PNP NO	XUB1APBNL2 (Without Reflector)*	2510
			XUB2APANL2R	2220
		PNP NO	XUB2AKSNL2T	1510
Receiver Thru Beam	15m	PNP NC	XUB2AKSNM12T	1930
			XUB2BKSNM12T (Metal)	1930
Receiver Thru Beam	15m	PNP NO	XUB2APANM12R	2220
Transmitter Thru Beam			XUB2BPANM12R (Metal)	2990
			XUB2AKSNL2T	1510

Note :

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

Principle of operation	Sensing range	Connection	Reference	Unit MRP [₹]
<b>Cylindrical M18</b>				
Multi Mode	> 0...20 m	Cable 2 m	XUB0APSNL2	4930
Multi Mode	> 0...20 m	Connector	XUB0APSNM12	
Multi Mode	> 0...20 m	Connector	XUB0BPSNM12 (Metal)	5170

Principle of operation	Sensing Distance	Output	Reference	Unit MRP [₹]
<b>Compact 50 x 50 mm</b>				
Reflex	7 m	AC/DC 1C/O Relay	XUK1ARCNL2	4850
Diffuse	1 m	AC/DC 1C/O Relay	XUK5ARCNL2	
Reflex polarized	5 m	AC/DC 1C/O Relay	XUK9ARCNL2 <input checked="" type="checkbox"/>	5300
Multimode	30 m	PNP/NPN NO/NC	XUK0AKSAL2	6500
Multimode	30 m	AC/DC 1C/O Relay	XUK0ARCTL2	7470
<b>Compact 92 x 71 mm</b>				
Diffuse	2.1 m	AC/DC 1C/O Relay	XUX5ARCNT16	6590
Reflex Polarized	11 m	AC/DC 1C/O Relay	XUX9ARCNT16 <input checked="" type="checkbox"/>	6580
Reflex	14 m	AC/DC 1C/O Relay	XUX1ARCNT16 <input checked="" type="checkbox"/>	6020
Thru beam transmitter		AC/DC	XUX0ARCTT16T	5740
Multimode	1.3 m...40 m	PNP/NPN NO/NC	XUX0AKSAT16	9820
Multimode	1.3 m...40 m	AC/DC 1C/O Relay	XUX0ARCTT16	10520

\*Reflector to be ordered separately.





Principle of operation	Sensing range	Connection	Reference	Unit MRP
<b>XUM – Miniature Single Mode</b>				
<ul style="list-style-type: none"> <li>• Material: Plastic</li> <li>• Wiring technique: 3 wire</li> <li>• Output Type: PNP</li> <li>• 1No or 1NC Programmable</li> <li>• Supply Circuit Type: DC</li> <li>• Degree of protection - IP67</li> </ul>				
Polarised Reflex	> 1...5 m	Cable 2 m	XUM9APCNL2 <input checked="" type="checkbox"/>	2540
Polarised Reflex	> 1...5 m	Connector	XUM9APCNM8 <input checked="" type="checkbox"/>	
Diffuse	> 0.3...1 m	Cable 2 m	XUM5APCNL2 <input checked="" type="checkbox"/>	2450
Diffuse	> 0.3...1 m	Connector	XUM5APCNM8	
Thru beam - Transmitter	15M	Cable	XUM2AKCNL2T <input checked="" type="checkbox"/>	2170
<b>XUM – Miniature Multi Mode</b>				
<ul style="list-style-type: none"> <li>• Material: Plastic</li> <li>• Wiring technique: 3 wire</li> <li>• OutPut Type: PNP</li> <li>• 1No or 1NC Programmable</li> <li>• Supply Circuit Type: DC</li> <li>• Degree of protection - IP67</li> </ul>				
Multi Mode	> 0...10 m	Cable 2 m	XUM0APSAL2	5330

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	11010

Fixing Bracket

Description	Reference	Unit MRP
For XUB	XUZA118	640
For XUK	XUZA51	520

Reflector (mm)

Description	Reference	Unit MRP
24 x 21	XUZC24	820
50 x 50	XUZC50 <input checked="" type="checkbox"/>	850
80 (dia)	XUZC80 <input checked="" type="checkbox"/>	1140
100 x 100	XUZC100 <input checked="" type="checkbox"/>	1200

OsiSense XU



SN [mm]	Light Mode	Output	Connection	Reference	Unit MRP
<b>Fork Sensor</b>					
30mm	Red LED	PNP,[NO]	2m Cable	XUVR0303PANL2	4910
50mm	Red LED	PNP,[NO]	M8 Connector	XUVR0605PANM8	6000

Fiber Design Amplifier



- 3 Wire DC, Teach Mode

Depending on fiber	-	PNP NO/NC programmable	2M Cable	XUDA2PSML2 <input checked="" type="checkbox"/>	10190
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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	6050
1m	Compact 50x50	PNP/NPN,NO/NC programmable	M12 Connector	XUK8AKSNM12 <input checked="" type="checkbox"/>	6050
0.3m	Miniature	PNP NO/NC programmable	2m Cable	XUM8APCNL2 <input checked="" type="checkbox"/>	3720

Electromechanical Pressure Switches



Description	Pressure Range	Reference	Unit MRP
<b>Electromechanical pressure switches for control circuit</b>			
<ul style="list-style-type: none"> <li>• Suitable for air, fresh water, sea water</li> <li>• Adjustable differential</li> <li>• 1 C/O single pole contact</li> <li>• G 1/4 (BSP female) fluid connection</li> <li>• Mechanical durability - 1 x 10<sup>6</sup> operating cycles</li> </ul>			
Setting screw external	1-6 bar	XMAV06L2135	2470
Adjustable range of rising pressure	1.3-12 bar	XMAV12L2135	2470
	3.5-25 bar	XMAV25L2135	3030
<b>Electromechanical pressure switches for power circuits</b>			
<ul style="list-style-type: none"> <li>• Suitable for fresh water &amp; sea water</li> <li>• Adjustable differential</li> <li>• 2 pole 2 N/C contact</li> <li>• Degree of protection - IP20</li> <li>• G 1/4 (BSP female) fluid connection</li> </ul>			
Adjustable range of rising pressure 1.4 - 4.6 bar		FSG2	1050
<b>Electromechanical pressure switches (Nautilus)</b>			
<ul style="list-style-type: none"> <li>• Conforming to IEC/EN 60947-5-1</li> <li>• 1 C/O single pole contact (4 terminal) snap action with setting scale</li> </ul>			
<b>Fixed differential</b>			
0.4 to 4 bar		XMLA004A2S11	8320
0.7 to 20 bar		XMLA020A2S11	6170
1.5 to 35 bar		XMLA035A2S11	
5 to 70 bar		XMLA070D2S11	6800
<b>Adjustable differential</b>			
0.25 to 4 bar		XMLB004A2S11	8830
1.3 to 20 bar		XMLB020A2S11	
3.5 to 35 bar		XMLB035A2S11	
7 to 70 bar		XMLB070D2S11	9460

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	6180
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	6490
0 to 100 bar	0-10V	DIN 43650	XMLP100BC72	
0 to 100 bar	4-20mA	M12	XMLP100BD22	
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 21, 2015

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	1410
cat's whisker - 1 NC + 1 NO		XCKD2106G11	1450
steel end plunger - 1 NC + 1 NO		XCKD2110G11	1150
Thermoplastic roller lever - 1 NC + 1 NO		XCKD2118G11	1320
Thermoplastic roller lever plunger, horizontal direction - 1 NC + 1 NO		XCKD2121G11	1560
Thermoplastic adjustable roller lever - 1 NC + 1 NO		XCKD2145G11	1480
<b>Sub-assemblies Metal Bodies for XCKD</b>			
Body ZCD 1 NC + 1 NO Snap Action	2	ZCD21	1730
Body ZCD 2 NC + 1 NO Snap Action	3	ZCD39	2010
<b>Gland and Head for ZCD Bodies</b>			
cable gland entry Pg 11 - metal body		ZCDEG11	140
Head for Limit switch - ZCE without operating lever		ZCE01	470
steel roller plunger		ZCE02	650
cat's whisker		ZCE06	770
steel end plunger		ZCE10	360
thermoplastic roller lever plunger, horizontal direction		ZCE21	710
thermoplastic roller lever ZCY		ZCY18*	100
steel roller lever ZCY		ZCY19*	410
variable length thermoplastic roller lever		ZCY45*	410
*To be used with head ZCE01			
<b>Contact block for ZCD bodies</b>			
1NO + 1NC	2	XE2SP2151	550
1NO + 2NC	3	XE3SP2141	1240

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
<b>Body</b>		
body - 1 NC + 1 NO - terminals	ZCKM1	1240
spare contacts	XE2SP2151	550
For ordering complete limit switches, please select body and head listed above		
<b>Head</b>		
head - steel roller plunger	ZCKD02	680
head - cat's whisker	ZCKD06	
head - spring rod lever	ZCKD08	
head - steel end plunger	ZCKD10	370
Delrin roller lever head	ZCKD15	830
Delrin roller lever plunger head	ZCKD21	680
Steel roller lever plunger head	ZCKD23	880
variable length Delrin roller lever	ZCKD41	710

NORMAL STOCK ITEMS

W.E.F. December 21, 2015

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"/>	1090
cat's whisker - 1 NC + 1 NO	XCKP2106G11 <input checked="" type="checkbox"/>	1150
steel end plunger - 1 NC + 1 NO	XCKP2110G11 <input checked="" type="checkbox"/>	820
Delrin roller lever <sup>(1)</sup>	XCKP2118G11 <input checked="" type="checkbox"/>	970
Delrin roller lever plunger, horizontal direction - 1 NC + 1 NO	XCKP2121G11 <input checked="" type="checkbox"/>	1150
Delrin roller lever plunger, vertical direction - 1 NC + 1 NO	XCKP2127G11 <input checked="" type="checkbox"/>	1200
adjustable roller lever - 1 NC + 1 NO (1) (Variable Length)	XCKP2145G11 <input checked="" type="checkbox"/>	1090
Spare contact block	XE2SP2151 <input checked="" type="checkbox"/>	550

**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 mm<sup>2</sup>  
 Single pole 1 C/O contact, snap action

Description	Reference	Unit MRP
Steel roller plunger	XCMD2102L1 <input checked="" type="checkbox"/>	2420
Metal end plunger	XCMD2110L1 <input checked="" type="checkbox"/>	2100
thermoplastic roller lever	XCMD2115L1 <input checked="" type="checkbox"/>	2230

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"/>	1400
head - cat's whisker	ZCKE06 <input checked="" type="checkbox"/>	1410
head - spring rod lever	ZCKE08 <input checked="" type="checkbox"/>	1410
head - steel roller lever	ZCKE23	2270
head - metal end plunger	ZCKE61	1110
head - reinforced end plunger	ZCKE67 <input checked="" type="checkbox"/>	1770
body - 1 NC + 1 NO - terminals	ZCKJ1 <input checked="" type="checkbox"/>	1650
body - 2 OC - terminals 2 NO + 2 NC	ZCKJ2 <input checked="" type="checkbox"/>	2810
steel roller lever	ZCKY13 <input checked="" type="checkbox"/>	370
Delrin roller lever Ø 50 mm	ZCKY41 <input checked="" type="checkbox"/>	490
Nylon round rod Ø 6 mm	ZCKY59 <input checked="" type="checkbox"/>	300
spare contacts	XE2SP2151 <input checked="" type="checkbox"/>	550

**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 [5]
Steel roller plunger - 1OC	For lateral cam movement	XCJ102 <input checked="" type="checkbox"/>	760
Steel roller plunger	For transverse cam movement	XCJ103 <input checked="" type="checkbox"/>	760
steel end plunger	Vertical cam approach	XCJ110 <input checked="" type="checkbox"/>	680
Short flat roller lever plunger	One way operation	XCJ121	620
Short flat lever plunger		XCJ125	490
Long flat lever plunger		XCJ126 <input checked="" type="checkbox"/>	560
short roller lever plunger - flat		XCJ127 <input checked="" type="checkbox"/>	560
Long roller lever plunger - flat		XCJ128 <input checked="" type="checkbox"/>	590

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 [5]
Steel roller plunger for lateral cam movement	XCE102 <input checked="" type="checkbox"/>	1110
Steel end plunger	XCE110 <input checked="" type="checkbox"/>	1030
Thermoplastic roller lever	XCE118 <input checked="" type="checkbox"/>	1140
Variable length thermoplastic roller lever	XCE145 <input checked="" type="checkbox"/>	1250
Round rod Ø3 mm steel rod	XCE154	1220
Spring rod lever	XCE181	1210

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 [5]
steel roller plunger - 1 NC + 1 NO	lateral cam approach 2 directions	XCKN2102G11 <input checked="" type="checkbox"/>	760
cat's whisker - 1 NC + 1 NO	multi-directional approach	XCKN2106G11 <input checked="" type="checkbox"/>	800
spring lever - 1 NC + 1 NO	multi-directional approach	XCKN2108G11 <input checked="" type="checkbox"/>	890
steel end plunger - 1 NC + 1 NO	vertical approach 1 direction	XCKN2110G11 <input checked="" type="checkbox"/>	550
Thermoplastic roller lever - 1 NC + 1 NO	lateral approach 2 directions	XCKN2118G11 <input checked="" type="checkbox"/>	630
Thermoplastic roller lever plunger, horizontal direction - 1 NC + 1 NO	lateral approach 1 direction	XCKN2121G11 <input checked="" type="checkbox"/>	800
Variable length adjustable roller lever - 1 NC + 1 NO	lateral approach 2 directions	XCKN2145G11 <input checked="" type="checkbox"/>	760
Variable length adjustable Thermoplastic roller lever Ø 50 mm - 1 NC + 1 NO	lateral approach 2 directions	XCKN2149G11 <input checked="" type="checkbox"/>	840

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 0.75mm<sup>2</sup>)  
 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"/>	1540
cat's whisker - 1 NC + 1 NO	XCMN2106L1	1600
Steel end plunger	XCMN2110L1	1250
Thermoplastic roller lever - 1 NC + 1 NO	XCMN2115L1	1360
roller lever plunger - 1 NC + 1 NO - one direction actuation	XCMN2121L1	1600
Thermoplastic adjustable roller lever - 1 NC + 1 NO	XCMN2145L1	1540

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"/>	8980
With Cruciform metal rod	2x2 pole NC + NC Staggered	PG 13 Cable Gland	XCKMR54D1 <input checked="" type="checkbox"/>	9120

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"/>	4100

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	12580
spring return roller stainless steel with lever	10° fault signalling 18° stopping of the conveyor belt	XCRT215	17760
Spring Return steel roller lever	23° Stopping of the Conveyor Belt (1 C/O)	XCKJ105217H29	3270

Note:

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



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"/>	670
Metal end plunger	M20	XCKM110H29LC	650
Steel roller plunger	PG11	XCKM102LC <input checked="" type="checkbox"/>	670
Steel roller plunger	M20	XCKM102H29LC	800
Steel roller lever	Pg11	XCKM116LC <input checked="" type="checkbox"/>	700
Steel roller lever	M20	XCKM116H29LC	720
Steel roller lever Horizontal actuation	Pg11	XCKM2023LC <input checked="" type="checkbox"/>	700
Steel roller lever Horizontal actuation	M20	XCKM2023H29LC	710

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"/>	1240
Metal end plunger	Pg 13.5	XCKJ161LC <input checked="" type="checkbox"/>	960
Steel roller plunger	M20	XCKJ167H29LC <input checked="" type="checkbox"/>	990
Steel roller plunger	Pg 13.5	XCKJ167LC <input checked="" type="checkbox"/>	1010
Thermoplastic roller lever	M20	XCKJ10511H29LC	1010
Thermoplastic roller lever	Pg13.5	XCKJ10511LC	1060
Steel roller lever	M20	XCKJ10513H29LC <input checked="" type="checkbox"/>	1060
Steel roller lever	Pg13.5	XCKJ10513LC <input checked="" type="checkbox"/>	1120
Var.length Thermoplastic roller lever	M20	XCKJ10541H29LC	990
Var.length Thermoplastic roller lever	Pg13.5	XCKJ10541LC	1010
Polyamide 6 mm rod lever	M20	XCKJ10559H29LC	1120
Polyamide 6 mm rod lever	Pg.13.5	XCKJ10559LC <input checked="" type="checkbox"/>	1010
Var.length Steel roller lever	M20	XCKJ10543H29LC <input checked="" type="checkbox"/>	1010
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	1340
steel end plunger - 1 NC + 1 NO	XCKT2110G11	1060
Delrin - roller lever plunger, horizontal direction - 1 NC + 1 NO	XCKT2121G11	1340

Note : 2 tapped entries for size 11 cable glands  
 (1) Adjustable through 360° in 5 steps

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	2240
2 Pole NC + NO - Break Before Make, Slow Break	Pg 11	XCSPA591	1700
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"/>	2080

XCS LE /LF Safety Solenoid Interlock



Body Type	Contacts	Voltage	Locking	Reference	Unit MRP
Metal	NO + NC	24V AC/DC	on de-energisation	XCSLF2525312	12240
Plastic	NO + NC	24V AC/DC	on de-energisation	XCSLE2525312 <input checked="" type="checkbox"/>	10200
Plastic	NC + NC + NO	24V AC/DC	on de-energisation	XCSLE3737312	12340

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"/>	3610
2-pole 1 NO + 1 NO (staggered)	Compact 51 x 16 x 7	2m Cable	XCSDMC7902	3610
2-pole 1 NC + 1 NO (staggered)	Standard 88 x 25 x 13	2m Cable	XCSDMP5902	3140
2-pole 1 NO + 1 NO (staggered)	Standard 88 x 25 x 13	2m Cable	XCSDMP7902	3140
3-pole 1 NC + 1 NO + 1 NO (staggered)	Standard 88 x 25 x 13	M12 Connector	XCSDMP700L01M12	4550
3-pole 1 NC + 1 NO + 1 NO (staggered)	Standard 88 x 25 x 13	M12 Connector	XCSDMP701L01M12	4810
2-pole 1 NC + 1 NO (staggered)	Cylindrical D=30, L= 38.5	M12 Connector	XCSDMR590L01M12	4350


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
<b>Three Wire Metal 12-24V DC, Flush Mountable - Threaded</b>						
			1 NC	PNP	XS108BLPBL2	1020
				NPN	XS108BLNAL2	1140
	1.5mm	M8	1 NO	PNP	XS108BLPAL2 <input checked="" type="checkbox"/>	990
					XS108BLPAM12 <input checked="" type="checkbox"/>	1130
					XS108BLPAM8	1020
<b>Three Wire Metal 12-24V DC, Non Flush Mountable - Threaded</b>						
	2.5mm	M8	1 NO	NPN	XS208BLNAL2 <input checked="" type="checkbox"/>	1160
				PNP	XS208BLPAL2 <input checked="" type="checkbox"/>	1160
					XS208BLPAM12	1140
<b>Three Wire Metal 12-24V DC, Flush Mountable - Threaded</b>						
			1NC	PNP	XS112BLPBL2 <input checked="" type="checkbox"/>	1080
				NPN	XS112BLNAL2 <input checked="" type="checkbox"/>	910
	2mm	M12	1 NO		XS112BLNAM12	1070
				PNP	XS112BLPAL2 <input checked="" type="checkbox"/>	890
					XS112BLPAM12 <input checked="" type="checkbox"/>	890

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
<b>Two Wire - 12-240V AC Metal, Flush Mountable - Threaded</b>					
2 mm	M12	1 NO		XS112BLFAL2	1440
<b>Three Wire Metal 12-24V DC, Non Flush Mountable - Threaded</b>					
4 mm	M12	1 NC	NPN	XS212BLNBL2 <input checked="" type="checkbox"/>	1110
			PNP	XS212BLPBL2 <input checked="" type="checkbox"/>	1110
			NPN	XS212BLNAL2	910
		1 NO	NPN	XS212BLNAM12	1240
			PNP	XS212BLPAL2 <input checked="" type="checkbox"/>	890
			PNP	XS212BLPAL5	1080
			PNP	XS212BLPAM12	910
<b>Three Wire Metal 12-24V DC, Flush Mountable - Threaded</b>					
5 mm	M18	1NC	PNP	XS118BLPBL2	1210
			NPN	XS118BLNAL2 <input checked="" type="checkbox"/>	910
		1 NO	NPN	XS118BLNAM12	1260
			NPN	XS118BLPAL2 <input checked="" type="checkbox"/>	910
			PNP	XS118BLPAL5	1110
			PNP	XS118BLPAM12 <input checked="" type="checkbox"/>	940
<b>Three Wire Metal 12-24V DC, Non Flush Mountable - Threaded</b>					
8 mm	M18	1 NO	NPN	XS218BLNAL2 <input checked="" type="checkbox"/>	910
				XS218BLNAL5	1550
				XS218BLNAM12	1380
			PNP	XS218BLPAL2 <input checked="" type="checkbox"/>	890
				XS218BLPAL5	1080
				XS218BLPAM12 <input checked="" type="checkbox"/>	910

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 
<b>Three Wire Metal 12-24V DC, Flush Mountable - Threaded</b>					
10mm	M30	1NC	PNP	XS130BLPBL2	1610
			NPN	XS130BLNAL2 <input checked="" type="checkbox"/>	1560
		1 NO	PNP	XS130BLPAL2 <input checked="" type="checkbox"/>	1010
				XS130BLPAM12	1630
<b>Three Wire Metal 12-24V DC, Non Flush Mountable - Threaded</b>					
15mm	M30	1NC	PNP	XS230BLPBL2	1020
			NPN	XS230BLNAL2	1590
		1 NO	PNP	XS230BLPAL2 <input checked="" type="checkbox"/>	990
				XS230BLPAL5	1190
				XS230BLPAM12	1640

**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 seperately.

Extended Sensing Range

[Sn] Nominal Sensing Distance	sensor Design	discrete Output Function	discrete Output Type	Reference	Unit MRP
<b>Three Wire Metal 10-36V DC, Flush Mountable - Threaded</b>					
2.5 mm (Length 51 mm)	M8	1 NO	PNP	XS608B1PAL2	2910
2.5 mm (Length 51 mm)	M8	1 NO	PNP	XS608B1PAM12 <input checked="" type="checkbox"/>	2740
4 mm (Length 53 mm)	M12	1 NO	PNP	XS612B1PAL2 <input checked="" type="checkbox"/>	2430
4 mm (Length 53 mm)	M12	1 NO	PNP	XS612B1PAM12 <input checked="" type="checkbox"/>	2290
8 mm (Length 62 mm)	M18	1 NO	PNP	XS618B1PAL2 <input checked="" type="checkbox"/>	2720
8 mm (Length 62 mm)	M18	1 NO	PNP	XS618B1PAM12 <input checked="" type="checkbox"/>	2590
15 mm (Length 62 mm)	M30	1 NO	PNP	XS630B1PAL2 <input checked="" type="checkbox"/>	3240
15 mm (Length 62 mm)	M30	1 NO	PNP	XS630B1PAM12 <input checked="" type="checkbox"/>	3080
<b>Three Wire Metal 12-24V DC, Flush Mountable - Threaded</b>					
4 mm	M12	1 NO	PNP	XS112B3PAL2	1770
				XS112B3PAM12 <input checked="" type="checkbox"/>	1690
<b>Three Wire Metal 12-24V DC, Flush Mountable - Threaded</b>					
8 mm	M18	1 NO	PNP	XS118B3PAL2	1950
				XS118B3PAM12	1850
<b>Three Wire Metal 12-24V DC, Flush Mountable - Threaded</b>					
15 mm	M30	1 NO	PNP	XS130B3PAM12	2100

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"/>	3730
8 mm	M18	NO	XS618B1MAL2 <input checked="" type="checkbox"/>	
15 mm	M30	NO	XS630B1MAL2 <input checked="" type="checkbox"/>	4100

**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	7650
60 mm	80 x 80 x 26	AC/DC NO	XS8D1A1MAL2	10200

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	5...200 mA DC	2-wire AC/DC	10 mm	0...8 mm	6...150	XSAV11801 <input checked="" type="checkbox"/>	10820
24...240 V AC	5...350 mA AC				120...3000	XSAV12801 <input checked="" type="checkbox"/>	
50/60 Hz	≤ 200 mA overload and short-circuit protection	3-wire DC PNP	10 mm	0...8 mm	6...150	XSAV11373 <input checked="" type="checkbox"/>	10320
12...48 V DC					120...3000	XSAV12373 <input checked="" type="checkbox"/>	

Accessories

Description	sensor Design	Reference	Unit MRP
Fixing for cylindrical sensor	m18	XSZB118	570

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	2680
Flat form 80x80x26	PNP [NO], 3-wire	<=100 mA	Flush-40mm	XS7D1A1PAL2	3710
Flat form 40x40x15	PNP [NO], 3-wire	<=200mA	Non-Flush-25mm	XS8C1A1PAL2	6950
Flat form 80x80x26	PNP [NO], 3-wire	<=200mA	Non-Flush-60mm	XS8D1A1PAL2	7280



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	2570
20mm	1 NO + 1NC	Terminal	XS8C2A1PCM12	2910
40mm	1 NO + 1NC	Terminal	XS8C2A4PCM12 <input checked="" type="checkbox"/>	3430

XS Turret Form

15 mm	1NO + 1 NC programmable	Terminals	XS7C4A1DPG13	4030
15 mm	1NO + 1 NC programmable	Terminals	XS7C4A1MPG13 <input checked="" type="checkbox"/>	4560
20mm	1NO+ 1NC	Terminals	XS8C4A1PCG13 <input checked="" type="checkbox"/>	4180
20mm	1NO+ 1NC	Terminals	XS8C4A1PCP20	5070
20mm	1NO + 1 NC programmable	Terminals	XS8C4A1DPG13	6540
20mm	1NO + 1 NC programmable	Terminals	XS8C4A1MPP20	5130
20mm	1NO + 1 NC programmable	Terminals	XS8C4A1MPG13	

XT Capacitive sensor

Sensing range	Output	Connection	Reference	Unit MRP
8mm	1 NO	2M Cable	XT218A1PAL2	2660
8mm	1NC + NO	M12 Connector	XT218A1PCM12 <input checked="" type="checkbox"/>	2690
15mm	1NO	2M Cable	XT230A1PAL2 <input checked="" type="checkbox"/>	2950
15mm	1NO + 1 NC	M12 connector	XT230A1PCM12	2980



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	8650
1 m	M30	PNP NO	XX6V3A1PAM12 <input checked="" type="checkbox"/>	10280

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	24300
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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	10820



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	580
PUR Pre-wired connector	M8, 3 pins	Straight	5m	XZCP0566L5	830
PUR Pre-wired connector	M8, 3 pins	Elbowed	5m	XZCP0666L5	830
PUR Pre-wired connector	M8, 4 pins	Straight	2m	XZCP0941L2	670
PUR Pre-wired connector	M8, 4 pins	Straight	5m	XZCP0941L5	830
PUR Pre-wired connector	M8, 4 pins	Elbowed	2m	XZCP1041L2	670
PUR Pre-wired connector	M8, 4 pins	Elbowed	5m	XZCP1041L5	830
PUR Pre-wired connector	M12, 4 pins	Straight	2m	XZCP1141L2	620
PUR Pre-wired connector	M12, 4 pins	Straight	5m	XZCP1141L5	840
PUR Pre-wired connector	M12, 4 pins	Elbowed	2m	XZCP1241L2	670
PUR Pre-wired connector	M12, 4 pins	Elbowed	5m	XZCP1241L5	820

**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	510
PVC Pre-wired connector	M8, 3 pins	Straight	5m	XZCPV0566L5	530
PVC Pre-wired connector	M8, 3 pins	Elbowed	5m	XZCPV0666L5	540
PVC Pre-wired connector	M8, 4 pins	Straight	2m	XZCPV0941L2	560
PVC Pre-wired connector	M8, 4 pins	Straight	5m	XZCPV0941L5	610
PVC Pre-wired connector	M8, 4 pins	Elbowed	2m	XZCPV1041L2	540
PVC Pre-wired connector	M8, 4 pins	Elbowed	5m	XZCPV1041L5	640
PVC Pre-wired connector	M12, 4 pins	Straight	2m	XZCPV1141L2	440
PVC Pre-wired connector	M12, 4 pins	Straight	5m	XZCPV1141L5	540
PVC Pre-wired connector	M12, 4 pins	Elbowed	2m	XZCPV1241L2	440
PVC Pre-wired connector	M12, 4 pins	Elbowed	5m	XZCPV1241L5	530

**Osi Sense XZ Connector**

- Protection IP67
- Connection Type Screw Threaded

Male connector	M12, 4 Pin	Straight		XZCC12MDM40B	350
Male connector	M12, 4 Pin	Elbowed		XZCC12MCM40B	350
Male connector	M12, 5 Pin	Straight		XZCC12MDM50B	780
Male connector	M12, 5 Pin	Elbowed		XZCC12MCM50B	780
Female connector	M12, 4 Pin	Straight		XZCC12FDM40B	350
Female connector	M12, 4 Pin	Elbowed		XZCC12FCM40B	350

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of innovation  
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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 LP	DC Control Reference	Unit LP	DC low consumption Reference <sup>(1) (2) (3)</sup>	Unit LP
2NO + 2NC	CA2KN22*	1150	CA3KN22**	1555	CA4KN22***	1820
3NO + 1NC	CA2KN31*		CA3KN31**		CA4KN31***	
4NO + 0NC	CA2KN40*		CA4KN40***			

(1) Compatible with PLC outputs

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

(3) 2 pole auxiliary contact block can be mounted additionally

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



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

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

## Reversing Contactors - K model



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


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

## Coil Voltage Code

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

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

## Accessories - K Model


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

\* Lot Size 5  
(1) Front mounted with common point changeover contact.

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



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

Thermal Protection Adjustment Range	For Use With	Reference*	Unit LP 
0.11...0.16 A	LC1K, LP1K, LP4K, LP2K, LC2K	LR2K0301	1500
0.16...0.23 A		LR2K0302	
0.23...0.36 A		LR2K0303	
0.36...0.54 A		LR2K0304	
0.54...0.8 A		LR2K0305	
0.8...1.2 A		LR2K0306	
1.2...1.8 A		LR2K0307	
1.8...2.6 A		LR2K0308	
2.6...3.7 A		LR2K0310	
3.7...5.5 A		LR2K0312	
5.5...8 A		LR2K0314	
8...11.5 A		LR2K0316	
10...14 A		LR2K0321	
12...16 A		LR2K0322	

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

## TeSys D Control Relays



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

No of Poles	AC Control Reference	Unit LP	DC Control Reference <sup>(2)</sup>	Unit LP	DC low consumption Reference <sup>(1) (2) (3)</sup>	Unit LP
3NO+2NC	CAD32*	1200	CAD32**	1800	CAD32***	2090
5NO+0NC	CAD50*		CAD50**		CAD50***	

- (1) Compatible with PLC outputs  
 (2) Wide range coil (0.7...1.25Uc), suppressor fitted as standard  
 (3) 2 pole auxiliary contact block can be mou

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



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

[le] Rated Operational Current AC1	AC3 Duty (Long Life)			AC3 Duty (Normal Life)			Auxiliary Contacts	AC Control Reference	Unit MRP	DC Control Reference <sup>(1)</sup>	Unit MRP
	kW	hP	A	kW	hP	A					
25	4	5.5	9	5.5	7.5	12	1 NO + 1 NC	LC1D09* <input checked="" type="checkbox"/>	1200	LC1D09** <input checked="" type="checkbox"/>	1850
	5.5	7.5	12	9	12.5	18	1 NO + 1 NC	LC1D12* <input checked="" type="checkbox"/>	1350	LC1D12** <input checked="" type="checkbox"/>	1995
32	9	12.5	18	11	15	25	1 NO + 1 NC	LC1D18* <input checked="" type="checkbox"/>	1490	LC1D18** <input checked="" type="checkbox"/>	2600
40	11	15	25	15	20	32	1 NO + 1 NC	LC1D25* <input checked="" type="checkbox"/>	1885	LC1D25** <input checked="" type="checkbox"/>	3250
50	15	20	32	22	30	40	1 NO + 1 NC	LC1D32* <input checked="" type="checkbox"/>	3885	LC1D32** <input checked="" type="checkbox"/>	6900
	18.5	25	38	-	-	-	1 NO + 1 NC	LC1D38* <input checked="" type="checkbox"/>	5700	LC1D38** <input checked="" type="checkbox"/>	8000
60	22	30	40	-	-	-	1 NO + 1 NC	LC1D40A* <input checked="" type="checkbox"/>	6100	LC1D40A**	8950
80	25	35	50	-	-	-	1 NO + 1 NC	LC1D50A* <input checked="" type="checkbox"/>	7250	LC1D50A**	11200
80	37	50	65	-	-	-	1 NO + 1 NC	LC1D65A* <input checked="" type="checkbox"/>	10050	LC1D65A**	12800

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

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

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

## DC Low Consumption Contactors (3 Pole)

[le] Rated Operational Current AC1	Motor Power (Long Life) AC3			Motor Power (Normal Life) AC3			auxiliary contacts	Reference	Unit LP
	kW	hP	A	kW	hP	A			
25	4	5.5	9	5.5	7.5	12	1 NO + 1 NC	LC1D09**** <input checked="" type="checkbox"/>	2325
	5.5	7.5	12	9	12.5	18	1 NO + 1 NC	LC1D12**** <input checked="" type="checkbox"/>	2425
32	9	12.5	18	11	15	25	1 NO + 1 NC	LC1D18**** <input checked="" type="checkbox"/>	2810
40	11	15	25	15	20	32	1 NO + 1 NC	LC1D25**** <input checked="" type="checkbox"/>	4780
50	15	20	32	22	30	40	1 NO + 1 NC	LC1D32**** <input checked="" type="checkbox"/>	7955

## Coil Voltage Code

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

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

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



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



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

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

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

### Coil Voltage Code

LC1D115 50Hz	VOLTAGE			
	24	110	220	415
	-	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 ₹185/- to the unit price of the standard contactor of the same rating.

## Capacitor Duty Contactors (AC Control)



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

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

\* Coil Voltage Code

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

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

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

NORMAL STOCK ITEMS

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Accessories - For D Model Contactors

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

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

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

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

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

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

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

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

Mounting Location	For Use With Contactor	Reference	Unit LP
<b>For D Model Mechanical Latch Blocks</b>			
Front, Clip-on	LC1 D09...D38 (a or c) LC1 DT20...DT40 (a or c) LC1 D40A...D65A (3P a or c) LC1DT60A AND DT80A (4P a or c)	LAD6K10*	3095
	LC1 D80...D150 (3P a) LC1 D80 AND D115 (3 P c) LC1 D80 (4 P a) LC1 D80 AND D115 (4 P a) LP1 D80 AND LC1 D115 (4 P c)	LA6DK20*	3235

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

Note: For ordering Mechanical Latch Block with other coil voltages, please add ₹ 185/- to the unit price of the standard reference

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

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

NORMAL STOCK ITEMS

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## Accessories - D Model

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

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

(2) Set of power connections with mechanical interlock.

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

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

## Spare coils D model

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

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

TYPE	VOLTAGE (V)	24	110	220	415
AC*	CAD, LC1-D09...D38, DT20...40, LC1 - D150, LC1D40A, D50A, D65A & LC1DT60A, DT80A, LC1D150	B7	F7	M7	N7
	D80 & D95 (3P & 4P), LC1 - D115	B5	F5	M5	N5
DC**	LC1-D80, LC1-D115, D150	BD	FD	MD	-

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

Product Compatibility	Fixing	Control Circuit Voltage	Suppressor Type	Reference	Unit LP [₹]	
<b>Coil Suppressor Modules</b>						
LC1-D12...D25 (4P)	Clip-on	24...48 V AC	RC Circuit AC	LA4DA1E	780	
LC1-D12...D25 (4P)		110...240 V AC	RC Circuit AC	LA4DA1U		
LC1-D12 & D25 (4P)		12...250 V DC	Diode DC	LA4DC1U		
LC1-D12...D25 (4P)		24...48 V AC/DC	Varistor AC/DC	LA4DE1E		
-		110...250 V AC/DC	Varistor AC/DC	LA4DE1U		
LC1D09...D38, LC2D09...D38, LC1DT20...DT40, LC2DT20...DT40 (3P)	Screw	24...48 V AC	Varistor AC/DC	LAD4VE	755	
		24...48 V AC 400 Hz	RC Circuit AC	LAD4RCE	680	
		50...127 V AC 200 Hz	RC Circuit AC	LAD4RCG		
		110...240 V AC 100 Hz	RC Circuit AC	LAD4RCU	755	
		110...250 V AC	Varistor AC/DC	LAD4VU	780	
LC1D80, LC1D95, LC2D80, LC2D95 (3P) LC2D80 (4P), LC1D40008, LC1D65008	24...250 V DC	Diode DC	LA4DC3U			
LC1D80...D115, LC2D80...D115 (3P) LC1D80...D115, LC2D80...D115 (4P)	Screw	24...48 V AC	Varistor AC/DC	LA4DE2E		745
		110...250 V AC	Varistor AC/DC	LA4DE2U		
		24...48 V AC 400 Hz	RC Circuit AC	LA4DA2E		1185
		50...127 V AC 200 Hz	RC Circuit AC	LA4DA2G	780	
		110...240 V AC 100 Hz	RC Circuit AC	LA4DA2U	1185	
380...415 V AC 150 Hz	RC Circuit AC	LA4DA2N	780			
24...48 V DC	Varistor AC/DC	LA4DE3E	780			
110...250 V DC	Varistor AC/DC	LA4DE3U	745			

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

NORMAL STOCK ITEMS

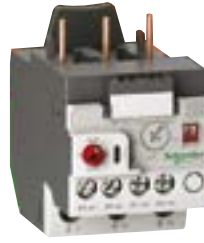
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## Thermal Overload Relays - D Model



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

Thermal Protection Adjustment Range	For Use With	Reference*	Unit MRP
<b>LRD Model (Direct Mounting)</b>			
0.1...0.16 A		LRD01	1690
0.16...0.25 A		LRD02	
0.25...0.4 A		LRD03	
0.4...0.63 A		LRD04	
0.63...1 A		LRD05 <input checked="" type="checkbox"/>	
1...1.6 A	GV2L03, LE03, LC1D09...LC1D38	LRD06 <input checked="" type="checkbox"/>	
1.6...2.5 A		LRD07 <input checked="" type="checkbox"/>	
2.5...4 A		LRD08 <input checked="" type="checkbox"/>	
4...6 A		LRD10 <input checked="" type="checkbox"/>	
5.5...8 A		LRD12 <input checked="" type="checkbox"/>	
7...10 A		LRD14 <input checked="" type="checkbox"/>	
9...13 A		LRD16 <input checked="" type="checkbox"/>	
12...18 A		LRD21 <input checked="" type="checkbox"/>	1790
16...24 A	GV2L22, LC1D25...D38	LRD22 <input checked="" type="checkbox"/>	1790
23...32 A	LC1D25...LC1D38, LC1D32	LRD32 <input checked="" type="checkbox"/>	3100
30...38 A	LC1D32, LC1D38	LRD35	
23...32 A	LC1D40A...D65A	LRD332	3200
30...40 A	LC1D80...LC1D95	LRD3353	
30...40 A	LC1D40A...D65A	LRD340	
30...40 A	LC1D80...LC1D95	LRD3355	
37...50 A	LC1D40A...D65A	LRD350 <input checked="" type="checkbox"/>	
48...65 A	LC1D80...LC1D95	LRD3357	4200
48...65 A	LC1D40A...D65A	LRD365	5350
48...65 A	LC1D80...LC1D95	LRD3359	

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

**Note:**

- \*For LRD01...LRD35 - Terminal Block for clip-on Mounting LAD7B106 Unit LP: ₹ 505/-
- \*For LRD33\*\* - Terminal Block for clip-on Mounting LA7D3064  Unit LP: ₹ 1515/-
- For LRD332, LRD340, LRD350 & LRD365 - Connection block for separate mounting LAD96560 Unit LP: ₹ 1255/-
- The LRD relays can be used for AC or DC current up to 104 Amps
- For long starting, Class 20 relays are available on request.
- Device for remote tripping and electrical reset is available on request.

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

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

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

NORMAL STOCK ITEMS

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# A perfect fit for power switching



## TeSys F 1250 to 2600 A

**Designed for demanding power switching applications. The complete, robust TeSys™ F range keeps pace with demanding AC1 applications in wind power, solar and more.**

- Optimised size for reduced panel space
- Proven reliability & high electrical durability
- Wide operating temperature range: up to 60°C
- Type 1 & 2 coordination with Masterpact™ ACB
- Shared accessories with entire TeSys F range
- Drawer-mounted coils allow easy maintenance



Life Is On

**Schneider**  
Electric

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



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

[Ie] Rated Operational Current AC1	Motor Power (Long Life) kW	Motor Power (Long Life) hP	AC3 A	Motor Power (Normal Life) kW	Motor Power (Normal Life) hP	AC3 A	Reference	Unit LP
200	59	80	115	80	110	150	LC1F115 <input checked="" type="checkbox"/>	15500
250	80	110	150	100	135	185	LC1F150 <input checked="" type="checkbox"/>	21700
275	100	135	185	110	150	205	LC1F185 <input checked="" type="checkbox"/>	24950
315	110	150	225	140	190	265	LC1F225 <input checked="" type="checkbox"/>	28000
350	140	190	265	160	220	300	LC1F265 <input checked="" type="checkbox"/>	32900
400	180	245	330	220	300	400	LC1F330 <input checked="" type="checkbox"/>	39100
500	220	300	400	250	340	450	LC1F400 <input checked="" type="checkbox"/>	45200
700	280	380	500	375	500	630	LC1F500 <input checked="" type="checkbox"/>	62700
1000	375	500	630	450	610	800	LC1F630	112750
1000	450	610	800	-	-	-	LC1F800	175000

Note:

- Contactor reference does not include coil. Contactor coil & aux. contacts to be ordered separately.(Coil includes 1 NO contact)
- Please select coils from below table separately.
- For additional auxiliary block and other accessories please see page 21
- 3 Pole, 1000A, AC3 duty contactors are available on request. Please contact Customer care centre for more details.

## Power Contactors - F Model (2 Pole & 4 Pole AC/DC Control)



- Conformity to International Standards – IEC, UL, CSA
- 2 and 4 pole versions available
- 240-1600 Amps in AC-1 duty , AC/DC coils
- Common accessories same as Model D
- High electrical life

[Ie] Rated Operational Current AC1	Power Pole Composition	Reference	Unit LP
200 A	4 NO	LC1F1154	25600
250 A	4 NO	LC1F1504	31140
275 A	4 NO	LC1F1854	38830
315 A	4 NO	LC1F2254	45820
350 A	4 NO	LC1F2654	51185
400 A	4 NO	LC1F3304	60835
500 A	2 NO	LC1F4002	43125
500 A	4 NO	LC1F4004	71760
700 A	2 NO	LC1F5002	63465
700 A	4 NO	LC1F5004	104785
1000 A	2 NO	LC1F6302	103055
1000 A	4 NO	LC1F6304	152305
1600 A	4 NO	LC1F7804	325025

Note:

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

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

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

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

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

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

(2) Coil with suppressor fitted as standard.

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

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

NORMAL STOCK ITEMS

W.E.F. December 21, 2015

## Vacuum Contactors (3 Pole AC Control)

[Ie] Rated Operational Current		Motor Power		auxiliary Contacts	Reference	Unit LP
AC1	AC3	kW	hP			
160 A	160 A	75	100	2 NO + 1 NC	LC1V160*	89350
320 A	320 A	160	213	1 NO + 1 NC	LC1V320*	119980
630 A	610 A	300	400	1 NO + 1 NC	LC1V610*	215205

\* Coil Voltage Code

VOLTAGE	110-120	220-240	380-415	440-480	550-600
Code	FE7	P7	V7	R7	X7

Note: Accessories for Vacuum Contactors available on request, please contact our Sales Office.

## Accessories - D and F Model

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

Description	Contacts	Reference	Unit LP		
<b>Add On Blocks</b>					
Additional instantaneous auxiliary contact blocks	1 NO+1NC	LAD8N11	860		
	2 NO	LAD8N20			
Pneumatic timer blocks front mounted	1 NO+1NC 0.1..3s	LADT0	2135		
	1 NO+1NC 0.1..30s	LADT2			
	1 NO+1NC 10..180s	LADT4			
	ON delay	1 NO+1NC 1..30s <sup>(2)</sup>	LADS2 <input checked="" type="checkbox"/>	2280	
		OFF delay	1 NO+1NC 0.1 ..3s	LADR0	2135
			1 NO+1NC 0.1 ..30s	LADR2 <input checked="" type="checkbox"/>	
	1 NO+1NC 10..180s	LADR4			

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

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

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

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

(1) For assembly of 3/4 pole 2 contactors of identical rating. To obtain electrical interlocking, please order 2 contact blocks LADN11

All power connections are to be made by the user.

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

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

Description	For use with	110 V Reference	220 V Reference	Unit LP
<b>Suppressor Blocks</b>				
suppressor module clip on	All AC ratings	LA4FRCF	LA4FRCP	3810
suppressor bracket	For all LA4F	LA9D09981		390

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

**NORMAL STOCK ITEMS**

W.E.F. December 21, 2015

## Coils F Model

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

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	-

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

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

(2) Coil with suppressor fitted as standard.

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

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

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

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

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

Note:

- Resistor is a must with every coil as per the quantity mentioned.
- Economy Resistor to be selected from below table as per coil voltage code

Contactors	110 V Reference	220 V Reference	440/460 V Reference	Unit LP
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### Economy Resistor

• To be used with hoisting application DC coil

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

## Electronic Relays



- Conformity to International Standards – IEC, UL, CSA
- Direct mounting on contactors is possible upto 630A
- Higher operating temperature
- Tripping class 10

Thermal Protection Adjustment Range	Reference	Unit LP
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### LR9-F Electronic Protection Relays

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

## Accessories

Description	For Use With	Relay Type	Reference	Unit LP
For LR9 - F Relay				
Mounting plate LA7F		LR9-F5369, LR9-F5371	LA7F901	2660
		LR9-F7375, LR9-F7379, LR9-F7381	LA7F902	3585

### Connection Accessories

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

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

NORMAL STOCK ITEMS

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- > Easy to install
- > High reliability

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

## Motor Circuit Breakers



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

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

### GV2-M Model Thermal Magnetic - With Push button Control (Economy)

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**		Thermal Protection Adjustment Range	Reference	Unit MRP
	kW	hP			
100 kA	-	-	0.1 - 0.16	GV2ME01	3015
	0.06	-	0.16 - 0.25	GV2ME02	
	0.09	-	0.25 - 0.40	GV2ME03	
	0.18	-	0.40 - 0.63	GV2ME04	3500
	0.37	0.5	0.63 - 1.0	GV2ME05	
	0.55	0.75	1.0 - 1.6	GV2ME06	3525
	0.75	1	1.6 - 2.5	GV2ME07	
	1.1	2	2.5 - 4	GV2ME08	3600
	2.2	3	4 - 6.3	GV2ME10	
	3	5.5	6 - 10	GV2ME14	3630
15 kA <sup>(1)</sup>	5.5	7.5	9 - 14	GV2ME16	4200
	7.5	10	13 - 18	GV2ME20	4500
	9	12.5	17 - 23	GV2ME21	4950
	11	15	20 - 25	GV2ME22	4980
10 kA <sup>(1)</sup>	15	20	24 - 32	GV2ME32	8100

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

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**		Thermal Protection Adjustment Range	Reference	Unit MRP
	kW	hP			
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	4960
50 kA <sup>(2)</sup>	5.5	7.5	9 - 14	GV2P16	4960
	7.5	10	13 - 18	GV2P20	6100
	9	12.5	17 - 23	GV2P21	
	11	15	20 - 25	GV2P22	
35 kA <sup>(2)</sup>	15	20	24 - 32	GV2P32	10245

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

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**		Thermal Protection Adjustment Range	Reference	Unit LP
	kW	hP			
50 kA	18.5	-	30...40 A	GV3P40	12100
	22	-	37...50 A	GV3P50	14800
	30	-	48...65 A	GV3P65	15500

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

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

15 kA	37	-	56...80 A	GV3ME80	13830
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\*\* 50/60Hz - 415 V

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

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

## Motor Circuit Breakers



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

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

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

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**		Magnetic Protection Rating (A)	Reference	Unit MRP
	kW	hP			
100 kA	0.09	-	0.4	GV2LE03	3100
	0.18	-	0.63	GV2LE04	
	0.37	0.5	1	GV2LE05	
	0.55	-	1.6	GV2LE06	
	1.1	1.5	2.5	GV2LE07	
	1.5	2	4	GV2LE08	
	2.2	3	6.3	GV2LE10	
	3	5.5	10	GV2LE14	
	5.5	7.5	14	GV2LE16	
	7.5	10	18	GV2LE20	
15 kA	11	15	25	GV2LE22	3555
	15	20	32	GV2LE32	
10 kA	15	20	32	GV2LE32	6105

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

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**		Magnetic Protection Rating (A)	Reference	Unit MRP
	kW	hP			
100 kA	0.09	-	0.4	GV2L03	4095
	0.18	-	0.63	GV2L04	
	0.37	0.5	1	GV2L05	
	0.55	-	1.6	GV2L06	
	1.1	1.5	2.5	GV2L07	
	1.1	2	4	GV2L08	
	2.2	3	6.3	GV2L10	
	4	5.5	10	GV2L14	
	5.5	7.5	14	GV2L16	
	7.5	10	18	GV2L20	
50 kA	11	15	25	GV2L22	4095
	15	20	32	GV2L32	

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

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

\* Conforming to IEC 60947-2-3-4

\*\* 50/60Hz - 415 V

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

Breaking Capacity at 415 V 50 Hz*	Motor Power AC3** kW		Thermal Protection adjustment Range	Reference	Unit LP
	kW	hP			

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

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

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

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

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

NORMAL STOCK ITEMS

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Accessories for Motor Circuit Breakers

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

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

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

Busbars

Connection Pitch	No. of Tapoff Points	Reference	Unit LP
<b>For GV2 Breakers</b>			
45 mm	2	GV2G245	925
	4	GV2G445	1460
54 mm	2	GV2G254	1085
	3	GV2G354	1230
	4	GV2G454	1545
72 mm	5	GV2G554	1665
	2	GV2G272	1355
	4	GV2G472	1875

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

Accessories for Motor Circuit Breakers

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

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

NORMAL STOCK ITEMS

Accessories for Motor Circuit Breakers

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

Note: All other accessories are same as of GV2

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

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

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

(2) For mounting direct rotary handle on enclosure door.

This accessory makes it possible to open the door if the device is closed and prevents the device from being closed if the door is open.

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

## Vario Switch Disconnectors

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

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

10 A	3P	4 kW	VCF02GE	2150
16 A	3P	5.5 kW	VCF01GE	2340
20 A	3P	7.5 kW	VCF0GE	2845
25 A	3P	11 kW	VCF1GE	3055
32 A	3P	15 kW	VCF2GE	3580
50 A	3P	22 kW	VCF3GE	5545
63 A	3P	30 kW	VCF4GE	6490

\* Rated Power at 415 V

\*\* Ith in enclosure

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

12 - 40 A	4 Screw Fixing	IP65	KCF1PZ	460
63 - 80 A	4 Screw Fixing	IP65	KCF2PZ	490
125 - 175 A	4 Screw Fixing	IP40	KCF3PZ	2030

## Vario Switch Disconnectors

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

• Suitable for Front Mounting or Base Mounting

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

Switch Bodies

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

## Accessories

Description	For Use with switch Bodies	Rating Pole	Pole Composition	Earth Contact	Auxiliary contacts	Reference	Unit LP
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### Vario Add-on Modules <sup>(1)</sup>

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

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

(2) With early make and late break contacts

Description	For Use With	Reference	Unit LP
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### Components for Door Interlocking

shaft extension - for Mini-VARIO and VARIO - V02..V2	V02...V2	VZ17	745
		VZ30	880
shaft extension - for Mini-VARIO and VARIO - V3 V4 V5 V6	V3, V4, V5, V6	VZ18	880
		VZ31	1015
Door interlock plate	VZ17 / VZ30	KZ32	185
		KZ74	335
Input Terminal Protection Shrouds	V02 - V2	VZ8	245
		VZ26	205
Terminal Shrouds	V3 - V4	VZ9	260
		VZ27	205
	V5 - V6	VZ10	335
		VZ28	370
V02 - V6	VZ29	245	

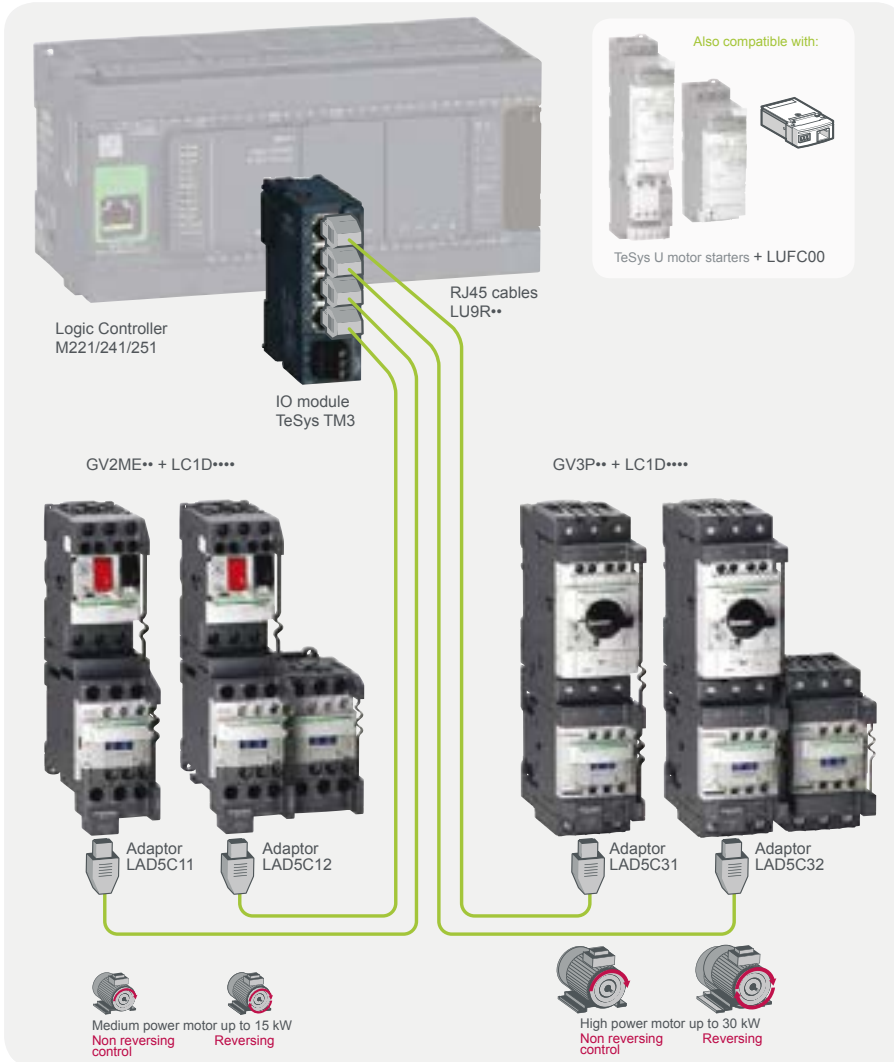
Please contact Customer Care Center for Stockable and Non stockable status of references.


NORMAL STOCK ITEMS


W.E.F. December 21, 2015

# Let TeSys SoLink be your drive!

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



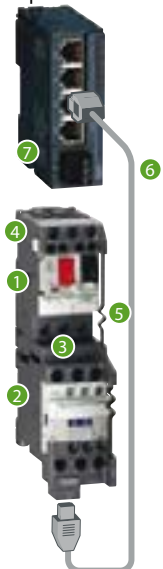
 **20** times faster for control circuit wiring  
Simple and fast wiring

 **100%** upgradable  
Plug & Play solutions

 **0%** Chance of connection errors  
Intuitive connection

 **100%** availability during machine life  
cycles Software & Hardware integrated


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



Direct or Reversing		
TeSys D	Upto 15kW	From 18.5kW to 30kW
1 Motor Circuit Breaker	GV2ME** OR GV2P**	GV3P**
2 Contactor 24V DC	LC1D**B* or LC2D**B*	LC1D**BD or LC2D**BD
3 Combination Block	GV2AF3	-
4 Auxiliary Contact	GVAE20	GVAE20
5 Connection Module	LAD5C11(DOL), LAD5C12(RDOL)	LAD5C31(DOL), LAD5C32(RDOL)
Connection Cable		
6 Connection Cable**	LU9R**	
IO Module		
7 IO Module	TM3XTYS4	

Note:  
 • \*\* Choose your correct length.  
 • Similar configurations available for TeSys U also.

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

 **NORMAL STOCK ITEMS**

W.E.F. December 21, 2015

# Switching and Controlling is now SMART with TeSys Intelligence



## Tesys U



## Tesys T



Ethernet  
Ready  
Intelligent  
Motor  
Control



Your requirements



TeSys Intelligence



# 100% reliable

Schneider Electric puts reliability at the heart of its strategy of innovation and, with TeSys, offers a wide range of solutions for the Power Control and Protection that covers all your needs, from basic to advanced.

## TeSys T Motor Management System - Controllers



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

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

Note: Above 100 Amps external CT required.

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

VOLTAGE	
24 DC	BD
110 VAC	FM

## TeSys U Starter-Controllers



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

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

Description	Rating at 440 V kW	Standard Reference	Advanced Reference	Multifunction Reference	Unit LP
Control Units					
0.15...0.6 A	0.09	LUCAX6**	LUCBX6**	LUCMX6BL	On Request
0.35...1.4 A	0.25	LUCA1X**	LUCB1X**	LUCM1XB	On Request
1.25...5 A	1.5	LUCA05**	LUCB05**	LUCM05BL	On Request
3...12 A	5.5	LUCA12**	LUCB12**	LUCM12BL	On Request
4.5...18 A	7.5	LUCA18**	LUCB18**	LUCM18BL	On Request
8...32 A	15	LUCA32**	LUCB32**	LUCM32BL	On Request

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

\*\* Coil Voltage Code

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

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

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

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

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

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

NORMAL STOCK ITEMS

W.E.F. December 21, 2015



# Selection Chart:

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

- Fault indication features possible
- Chance of single phasing reduced
- No replacement of fuses
- More reliability
- No running cost

Motor Rating kW	Operational Current in A	Iq* kA	Motor Circuit Breaker	Thermal Range	Contactor
0.37	1.0	50	GV2ME05	0.63-1	LC1K06
0.55	1.5	50	GV2ME06	1-1.6	LC1K06
0.75	2.0	50	GV2ME07	1.6-2.5	LC1K06
1.1	2.5	50	GV2ME08	2.5-4	LC1K06
1.5	3.5	50	GV2ME08	2.5-4	LC1K06
2.2	5.0	50	GV2ME10	4-6.3	LC1K06
3.0	6.5	50	GV2ME14	6-10	LC1K09
4.0	8.4	50	GV2ME14	6-10	LC1K09
5.5	11.0	15	GV2ME16	9-14	LC1K12
7.5	14.8	15	GV2ME20	13-18	LC1D18
9.0	18.1	15	GV2ME21	17-23	LC1D25
11.0	21.0	15	GV2 ME22	20-25	LC1D25
15.0	28.5	10	GV2ME32	24-32	LC1D32
18.5	35.0	50	GV3P40	30-40	LC1D40A
22.0	42.0	50	GV3P50	37-50	LC1D50A
30.0	57.0	50	GV3P65	48-65	LC1D65A
37.0	69.0	15	GV3ME80	56-80	LC1D80
45.0	81.0	25	GV7RE100	60-100	LC1D95
55.0	100.0	25	GV7RE150	90-150	LC1D115
75.0	135.0	35	GV7RE150	90-150	LC1D150
90.0	165.0	35	GV7RE220	132-220	LC1F185
110.0	200.0	35	GV7RE220	132-220	LC1F225

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

## \* TeSys High Performance DOL Motor Starters (Type 2 Co-ordination with MPCB at 415 V)

- No down time
- Fault indication features possible
- Chance of single phasing reduced
- No replacement of HRC fuses
- More reliability
- No running cost

Motor Rating kW	Operational Current in A	Iq* kA	Motor Circuit Breaker	Thermal Range	Contactor
0.37	1	130	GV2ME05	0.63-1	LC1D09
0.55	1.5	130	GV2ME06	1-1.6	LC1D09
0.75	2	130	GV2ME07	1.6-2.5	LC1D09
1.1	2.5	130	GV2ME08	2.5-4	LC1D09
1.5	3.5	130	GV2ME08	2.5-4	LC1D09
2.2	5	130	GV2ME10	4-6.3	LC1D09
3.0	6.5	130	GV2ME14	6-10	LC1D09
4.0	8.4	130	GV2ME14	6-10	LC1D09
5.5	11	130	GV2ME16	9-14	LC1D25
7.5	14.8	50	GV2P20	13-18	LC1D25
9.0	18.1	50	GV2P21	17-23	LC1D25
11.0	21	50	GV2P22	20-25	LC1D25
15.0	28.5	35	GV2P32	25-32	LC1D32
18.5	35	50	GV3P40	30-40	LC1D40A
22.0	42	50	GV3P50	37-50	LC1D50A
30.0	57	50	GV3P65	48-65	LC1D65A
37.0	69	70	GV7RS80	48-80	LC1D80
45.0	81	70	GV7RS100	60-100	LC1D115
55.0	100	70	GV7RS150	90-150	LC1D150
75.0	135	70	GV7RS150	90-150	LC1D150
90.0	165	70	GV7RS220	132-220	LC1F185
110.0	200	70	GV7RS220	132-220	LC1F225

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

\* Breaking Capacity of Circuit Breakers can be increased by using current limiter type GV1L3

For star- delta Co-ordination chart please contact regional sales office..

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	1650
	20	NKS100R020AC3P	1650
	25	NKS100R025AC3P	1650
	32	NKS100R032AC3P	1650
	40	NKS100R040AC3P	1650
	50	NKS100R050AC3P	1650
	63	NKS100R063AC3P	1650
	75	NKS100R075AC3P	1650
	100	NKS100R100AC3P	1650

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	4340	EZC100H4015	6140
	20A	EZC100H3020		EZC100H4020	
	25A	EZC100H3025		EZC100H4025	
	32A	EZC100H3032		EZC100H4032	
	40A	EZC100H3040		EZC100H4040	
	50A	EZC100H3050		EZC100H4050	
	63A	EZC100H3063		EZC100H4063	
	80A	EZC100H3080		EZC100H4080	
	100A	EZC100H3100		EZC100H4100	

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
<b>EASYPACT CVS 100 TO 630A OVERLOAD SETTING (IR) 0.7 - 1 X IN</b>					
25 kA	16A	LV510300	6310	LV510310	9110
	25A	LV510301	6310	LV510311	9110
	32A	LV510302	6310	LV510312	9110
	40A	LV510303	6310	LV510313	9110
	50A	LV510304	6310	LV510314	9110
	63A	LV510305	6310	LV510315	9110
	80A	LV510306	6310	LV510316	9110
	100A	LV510307	6310	LV510317	9110
	125A	LV516302	9940	LV516312	11440
	160A	LV516303	13050	LV516313	15400
	200A	LV525302	17700	LV525312	21750
Breaking Capacity Ics as per IEC 60947-2	Rated Current	Three Pole Reference	Unit LP	Four Pole Reference	Unit LP
	250A	LV525303	20450	LV525313	24850

NORMAL STOCK ITEMS

W.E.F. December 21, 2015

For EasyPact NKS / EZC

Description	NKS / EZC-100 Reference	Unit MRP
<b>Auxiliary Contacts (Changeover) Multifunction</b>		
Auxiliary Switch 1 C/O	EZAUX10 ✓	760
Alarm Switch 1 C/O	EZAUX01 ✓	
Spreaders		
Spreaders (Set Of 3) 3P	EZASPDR3P ✓	310
Spreaders (Set Of 4) 4P	EZASPDR4P ✓	410
<b>Rotary Handle</b>		
Standard black handle	EZAROTDS ✓	1075
<b>Shunt Release</b>		
<b>AC</b>		
200-277 V	EZASHT200AC ✓	1630
<b>Under Voltage Release</b>		
<b>AC</b>		
200-240 V	EZAUVR200AC ✓	Price on Request

For EasyPact CVS

Auxiliary Contacts (Changeover) Multifunction

Description	Reference	Unit MRP
OF or SD or SDE or SDV	29450 ✓	880

Voltage Releases

Description	Shunt Release Reference	Unit MRP	Undervoltage Reference	Unit MRP
<b>AC</b>				
220-240 V 50/60 Hz	LV429387 ✓	2160	LV429407 ✓	2830

Installation Accessories

Description	CVS 100/160/250 Reference	Unit MRP
Spreaders (Set of 3) 3P	LV431563 ✓	670
Spreaders (Set of 4) 4P	LV431564 ✓	880

Rotary Handles

Description	CVS 100/160/250 Reference	Unit MRP
<b>Direct rotary handles</b>		
Standard black handle	LV429337 ✓	1130
<b>Standard extended rotary handle</b>		
Standard extended rotary handle	LV429338 ✓	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 system performance with optimized cost: Cascading\*
- Increased System Continuity: Discrimination\*
- Higher Installation Life: Energy Limitation Class 3, Fast Closure Mechanism
- Ease, Speed and Flexibility of installation - Biconnect, Line-Load Reversible
- Field-fittable auxiliaries for advance protection and monitoring
- Positive Contact Indication for assurance of disconnection
- 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
<b>Module Width**</b>	<b>1 mod</b>		<b>2 mod</b>		<b>3 mod</b>		<b>4 mod</b>	
<b>MOQ</b>	<b>12 Nos.</b>		<b>6 Nos.</b>		<b>4 Nos.</b>		<b>3 Nos.</b>	

#### B curve

6	A9N1P06B	262	A9N2P06B	768	A9N3P06B	1255	A9N4P06B	1685
10	A9N1P10B	262	A9N2P10B	768	A9N3P10B	1255	A9N4P10B	1685
16	A9N1P16B	262	A9N2P16B	768	A9N3P16B	1255	A9N4P16B	1685
20	A9N1P20B	262	A9N2P20B	768	A9N3P20B	1255	A9N4P20B	1685
25	A9N1P25B	262	A9N2P25B	768	A9N3P25B	1255	A9N4P25B	1685
32	A9N1P32B	262	A9N2P32B	768	A9N3P32B	1255	A9N4P32B	1685
40	A9N1P40B	558	A9N2P40B	1240	A9N3P40B	1915	A9N4P40B	2435
50	A9N1P50B	558	A9N2P50B	1240	A9N3P50B	1915	A9N4P50B	2435
63	A9N1P63B	558	A9N2P63B	1240	A9N3P63B	1915	A9N4P63B	2435

#### C curve

1	A9N1P01C	392	A9N2P01C	1060	A9N3P01C	1635	A9N4P01C	2075
2	A9N1P02C	392	A9N2P02C	1060	A9N3P02C	1635	A9N4P02C	2075
3	A9N1P03C	392	A9N2P03C	1060	A9N3P03C	1635	A9N4P03C	2075
4	A9N1P04C	392	A9N2P04C	1060	A9N3P04C	1635	A9N4P04C	2075
6	A9N1P06C	262	A9N2P06C	768	A9N3P06C	1255	A9N4P06C	1685
10	A9N1P10C	262	A9N2P10C	768	A9N3P10C	1255	A9N4P10C	1685
16	A9N1P16C	262	A9N2P16C	768	A9N3P16C	1255	A9N4P16C	1685
20	A9N1P20C	262	A9N2P20C	768	A9N3P20C	1255	A9N4P20C	1685
25	A9N1P25C	262	A9N2P25C	768	A9N3P25C	1255	A9N4P25C	1685
32	A9N1P32C	262	A9N2P32C	768	A9N3P32C	1255	A9N4P32C	1685
40	A9N1P40C	558	A9N2P40C	1240	A9N3P40C	1915	A9N4P40C	2435
50	A9N1P50C	558	A9N2P50C	1240	A9N3P50C	1915	A9N4P50C	2435
63	A9N1P63C	558	A9N2P63C	1240	A9N3P63C	1915	A9N4P63C	2435

#### D curve

1	A9N1P01D	396	A9N2P01D	1075	A9N3P01D	1670	---	---
2	A9N1P02D	396	A9N2P02D	1075	A9N3P02D	1670	A9N4P02D	2090
3	A9N1P03D	396	A9N2P03D	1075	A9N3P03D	1670	A9N4P03D	2090
4	A9N1P04D	396	A9N2P04D	1075	A9N3P04D	1670	A9N4P04D	2090
6	A9N1P06D	336	A9N2P06D	806	A9N3P06D	1315	A9N4P06D	1745
10	A9N1P10D	336	A9N2P10D	806	A9N3P10D	1315	A9N4P10D	1745
16	A9N1P16D	336	A9N2P16D	806	A9N3P16D	1315	A9N4P16D	1745
20	A9N1P20D	336	A9N2P20D	806	A9N3P20D	1315	A9N4P20D	1745
25	A9N1P25D	336	A9N2P25D	806	A9N3P25D	1315	A9N4P25D	1745
32	A9N1P32D	336	A9N2P32D	806	A9N3P32D	1315	A9N4P32D	1745
40	A9N1P40D	606	A9N2P40D	1315	A9N3P40D	2025	A9N4P40D	2550
50	A9N1P50D	606	A9N2P50D	1315	A9N3P50D	2025	A9N4P50D	2550
63	A9N1P63D	606	A9N2P63D	1315	A9N3P63D	2025	A9N4P63D	2550

Note: \* Please contact nearest Schneider Electric Sales Office or Customer Care Center for coordination chart  
\*\*18mm/module

## Miniature Circuit Breakers - C120



- Breaking capacity as per IEC 60898, Icn = 10kA/15kA
- Positive Contact Indication for assurance of disconnection
- 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

[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	2055	A9N18361	4560	A9N18365	7185	A9N18372	9360
100	A9N18358	2305	A9N18362	4865	A9N18367	7655	A9N18374	9760
125	A9N18359	2490	A9N18363	5350	A9N18369	8500	A9N18376	11040

### C120H (15kA)

80	A9N18446	2460	A9N18457	5545	A9N18468	8440	A9N18479	10840
100	A9N18447	2720	A9N18458	5680	A9N18469	9200	A9N18480	11685
125	A9N18448	2965	A9N18459	6445	A9N18470	9920	A9N18481	12695

## 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
- Higher Installation Life: Energy Limiting Class: 3

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

### C60H-DC

0.5	1	A9N61500	670	2	A9N61520	1415
1	1	A9N61501 ✓	670	2	A9N61521 ✓	1415
2	1	A9N61502 ✓	670	2	A9N61522 ✓	1415
3	1	A9N61503 ✓	670	2	A9N61523 ✓	1415
4	1	A9N61504 ✓	670	2	A9N61524 ✓	1415
5	1	A9N61505	670	2	A9N61525	1415
6	1	A9N61506 ✓	544	2	A9N61526 ✓	1190
10	1	A9N61508 ✓	544	2	A9N61528 ✓	1190
16	1	A9N61511 ✓	544	2	A9N61531 ✓	1190
20	1	A9N61512 ✓	544	2	A9N61532 ✓	1190
25	1	A9N61513 ✓	544	2	A9N61533 ✓	1190
32	1	A9N61515 ✓	544	2	A9N61535 ✓	1190
40	1	A9N61517 ✓	718	2	A9N61537 ✓	1640
50	1	A9N61518 ✓	718	2	A9N61538 ✓	1640
63	1	A9N61519 ✓	718	2	A9N61539 ✓	1640

## Special application MCBs



### Solar Application – PV DC

- DC MCB for multi string PV installations
- Operating Voltage: 800V DC
- Current Rating up to 25A
- Complies to IEC / EN 60947-2



### Rail Application\* (including Rolling Stock)

- Fire & smoke Resistant – Level 2 (NF F 16-101, NF F 16-102)
- Shock & vibration resistant (IEC 61373) – Cat 1, Class B
- Breaking Capacity: up to 25kA
- Complies to IEC / EN 60947-2



### UL MCB

- Type: UL1077, UL489
- Breaking Capacity of 10kA
- Complies to IEC 60947-2 / UL1077 / UL489 / CSA

#### Note:

Please contact nearest Schneider Electric sales office or Customer Care for Reference and prices of Application Specific MCBs  
\*Rail Application RCDs are also available on demand  
\*\*18mm/module

✓ NORMAL STOCK ITEMS

W.E.F. December 21, 2015

## Residual Current Circuit Breakers (RCCBs) - xID



Suitable for  
ComReady  
Auxiliary



- Complies to standards IEC/EN 61008-1 and IS 12640
- AC Class protection
- Selective range available for time based discrimination
- Easy Monitoring: Earth fault indication and Test Button on front face
- Operating temperature up to +70°C
- 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	2735	4	A9N16251	3720
	100	2	A9N16203	2915	4	A9N16253	3875
	300	2	A9N16202	2980	4	A9N16252	3970
40	30	2	A9N16204	3205	4	A9N16254	3730
	100	2	A9N16205	3395	4	A9N16255	3900
	300	2	A9N16206	3470	4	A9N16256	4030
63	30	2	A9N16208	3785	4	A9N16258	4320
	100	2	A9N16209	4000	4	A9N16259	4605
	300	2	A9N16210	4065	4	A9N16260	4605
80	30	2	A9N16212	6375	4	A9N16261	7265
	100	2	A9N16213	6550	4	A9N16262	7385
	300	2	A9N16214	6670	4	A9N16263	7430

## RCCB-ID - Special 100/125A



- Complies to standards IEC 61008-1 and VDE 0664
- AC Class protection
- Degree of pollution: 3 (suitable for industrial environment)
- Electrical ON/OFF indication by using OFSP auxiliary

Poles Description	[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	Reference	Unit LP
4P	100	30	4	**A9R11491	8975
		100	4	**A9R12491	9270
		30	4	16905	26300
	125	100	4	16906	27105
		300	4	16907	27610

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

## RCBO - DPN N Vigi



Suitable for  
ComReady  
Auxiliary



- Complies to standards IEC/EN 61009
- AC Class Protection; Tripping characteristics - C curve
- Overvoltage category (IEC 60364): IV
- Suitable for indication & tripping auxiliaries

Poles Description	[In] Rated Current (A)	Earth-Leakage Sensitivity (mA)	Module Width 18mm/module	Reference	Unit LP
1P+N	6	30	2	A9N19661	4020
		300	2	A9N19681	4185
	10	30	2	A9N19663	4020
		300	2	A9N19683	4185
	16	30	2	A9N19665	4020
		300	2	A9N19685	4185
	20	30	2	A9N19666	4020
		300	2	A9N19686	4185
	25	30	2	A9N19667	4020
		300	2	A9N19687	4185
	32	30	2	A9N19668	4225
		300	2	A9N19688	4350
	40	30	2	A9N19669	5170
		300	2	A9N19689	5295

Note: Application specific RCDs also available with 10mA, 500mA and 1000mA sensitivities | Please contact nearest Schneider Electric Sales Office or Customer Care Center for Reference and Prices

### Isolator - xSW



- Complies to IEC/EN 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	474
	63	2	6	A9S2P063	630
	80	2	6	A9S2P080	746
	100	2	6	A9S2P100	1070
	125	2	6	A9S2P125	1105
3	40	3	4	A9S3P040	828
	63	3	4	A9S3P063	972
4	40	4	3	A9S4P040	1055
	63	4	3	A9S4P063	1150
	80	4	3	A9S4P080	1615
	100	4	3	A9S4P100	1615
	125	4	3	A9S4P125	1715

### Selector Switch - iSSW



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

No. of positions	Poles Description	Contacts	Module Width 18mm/module	MOQ	Reference	Unit MRP
2	1	1 C/O	1	12	A9E18070	892
	2	2 C/O	2	6	A9E18071	1230
		1NO + 1NC	1	12	A9E18072	716
3	1	1 C/O	1	12	A9E18073	878
	2	2 C/O	2	6	A9E18074	1485

### iRO Buzzers



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

Voltage	Module Width 18mm/module	Reference	Unit LP
230V AC	1	A9A15322	336
8..12V AC	1	A9A15323	284



## iCT Contactors



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

Type	Rating (A)	No. of Contacts	Module Width 18mm/module	Reference	Unit LP
1P	25	1NO	1	A9C20731	1410
	16	2NO	1	A9C22712	1450
2P	25	2NO	1	A9C20732	1730
	40	2NO	2	A9C20842	2970
	63	2NO	2	A9C20862	3790
3P	25	3NO	2	A9C20833	2200
	40	3NO	2	A9C20843	4965
	63	3NO	3	A9C20863	5400
4P	25	4NO	2	A9C20834	2335
	40	4NO	2	A9C20844	5065
	63	4NO	3	A9C20864	6110
	63	2NO + 2NC	3	A9C20868	6110

## iTL Impulse Relays



- Complies with standards IEC/EN 60669-2-2
- Safe maintenance: disconnection of remote control by selector switch
- Manual Controls on front face: 0-I toggle
- Mechanical contact position indicator
- Maximum 5 operations/min. and 100 switching operations/day
- Degree of pollution: 3 (suitable for industrial environment)

Type	Rating (A)	Control Voltage	No. of Contacts	Module Width	Reference	Unit LP
1P	16	230-240 VAC	1NO	1	A9C30811	910
	32	230-240 VAC	1NO	1	A9C30831	1140
2P	16	230-240 VAC	2NO	1	A9C30812	1495
	32	230-240 VAC	2NO	1	A9C30831 + A9C32836	3555
3P	16	230-240 VAC	1NO+1NO/NC+1NO	2	A9C30811 + A9C32816	2845
	32	230-240 VAC	1NO+1NO/NC+1NO	2	A9C30831 + 2 x A9C32836	5970
4P	16	230-240 VAC	4NO	2	A9C30814	3105
	32	230-240 VAC	4NO	2	A9C30831 + 3 x A9C32836	8385

## iLL Indicator Lights



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

Type	Colour	Module Width 18mm/module	Reference	Unit LP
Single indicator light	Red	1	A9E18320	932
	Green	1	A9E18321	932
	Blue	1	A9E18323	932
	Orange	1	A9E18324	932
3 phase voltage presence light	Red/Red/Red	1	A9E18327	2080
Single Push Button (1 NO+ 1NC)	Grey	1	A9E18033	1385

Note: For all above references MOQ = 1

NORMAL STOCK ITEMS

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## 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
- Imp up to 25kA & I<sub>max</sub> upto 40kA
- **Always use a Back-up MCB with your SPD**
- Maximum Operating Voltage [U<sub>c</sub>]: 350V

Type	poles	Description	Module Width 18mm/module	Reference	Unit LP
PRD1 25r		1P	2	16329	9215
		1P + N	4	16330	20275
		3P	6	16331	30410
		3P + N	8	16332	37780

## Surge Arresters iPRD- Type 2 (Withdrawable type) (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 and Switching surge
- Inbuilt health indicator
- Response time < 25ns
- I<sub>max</sub> (8/20 μs): 65/40/15/8kA
- Maximum Operating Voltage [U<sub>c</sub>]: 340V
- Level of protection, U<sub>p</sub>: 1.0 - 2.0 kV
- Remote indication contact with 8r/20r/40r/65r
- Always use a Back-up MCB with your SPD

Type	Rated Voltage (V)	Pole Description	Module Width 18mm/module	Reference	Unit LP
iPRD8	230	1P	1	A9L08100	3105
	230	1P+N	2	A9L08500	5800
	230/400	3P	3	A9L08300	7835
	230/400	3P+N	4	A9L08600	11835
iPRD8r	230	1P+N	2	A9L08501	6960
	230/400	3P+N	4	A9L08601	14205
iPRD20	230	1P	1	A9L20100	3480
	230	1P+N	2	A9L20500	7300
	230/400	3P	3	A9L20300	9350
	230/400	3P+N	4	A9L20600	13470
iPRD20r	230	1P+N	2	A9L20501	8680
	230/400	3P+N	4	A9L20601	16165
iPRD40	230	1P	1	A9L40100	4110
	230	1P+N	2	A9L40500	8405
	230/400	3P	3	A9L40300	12075
	230/400	3P+N	4	A9L40600	16840
iPRD40r	230	1P	1	A9L40101	4930
	230	1P+N	2	A9L40501	10845
	230/400	3P	3	A9L40301	16260
	230/400	3P+N	4	A9L40601	20205
iPRD65r	230	1P	1	A9L65101	6595
	230	1P+N	2	A9L65501	13820
	230/400	3P	3	A9L65301	18040
	230/400	3P+N	4	A9L65601	23410

## Spare Cartridges for iPRD



- Spare cartridges for iPRD8r, iPRD20r, iPRD40r and iPRD65r
- End of life indication available on front face
- These cartridges are not compatible with Old SPD range (A9L16...)\*\*

Type	Spare cartridges for	Reference	Unit LP
iPRD 65-350	iPRD65r	A9L65102	4130
iPRD 40-350	iPRD40, iPRD40r	A9L40102	3175
iPRD 20-350	iPRD20, iPRD20r	A9L20102	2540
iPRD 8-350	iPRD8, iPRD8r	A9L08102	2225
iPRD Neutral	All products (1P+N, 3P+N)	A9L00002	3340

\*\*Spare Cartridges for Old SPD Range (A9L16...) are available on demand - please contact nearest Schneider Electric Sales Office or Customer Care for Reference and prices  
Note: For all above Reference MOQ = 1

## iQuick PRD - Type 2 with inbuilt MCB



- Compact SPD with in-built back up MCB - saving on space, MCB selection, wiring time
- Compliance to EN 61643-11
- Withdrawable Type - Cost Efficient - Allows damaged cartridges to be replaced without having to replace entire SPD
- Inbuilt SPD Health Indicator on front face of device; Remote signaling functionality also available
- Incoming Protection: iQuick PRD 40r (High Risk level) and iQuick PRD 20r (Moderate Risk level)
- Secondary Protection: iQuick PRD 8r is cascade mounted with incoming surge arresters

Type	Poles Description	Module Width 18mm/module	Reference	Unit LP
iQuick PRD 8r	1P+N	4	A9L16298	8385
	3P	6.5	A9L16299	12325
	3P+N	7.5	A9L16300	15335
iQuick PRD 20r	1P+N	4	A9L16295	10060
	3P	6.5	A9L16296	14790
	3P+N	7.5	A9L16297	18400
Quick PRD 40r	1P+N	4	A9L16292	11745
	3P	6.5	A9L16293	17605
	3P+N	7.5	A9L16294	21245

Note: Spare / Replacement Cartridges available - For Reference and prices contact nearest sales office or customer care

## 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
- Should be installed in switchboard inside the building. If switchboard is located outside, it must be weatherproof
- Withdrawable surge arrester allows damaged cartridges to be replaced quickly
- Inbuilt SPD Health Indicator on front face of device; Remote signaling functionality also available

Type	U (cpv) Maximum Operating Voltage (V)	Module Width 18mm/module	Reference	Unit LP
iPRD 40r	800	3	A9L40271	6730
	1000	3	A9L40281	7685

Note: Spare / Replacement Cartridges available - For Reference and prices contact nearest sales office or customer care

## Surge Arresters for Communication Networks



- Analogue telephone line protection: iPRC surge arrester wired in series to the private installation input, protects the telephones, the modems (including ADSL) etc
- Protection for 2 low-current lines without common potential or 4 lines with common reference potential
- iPRI protects measuring instrument and PLC sensor inputs and the DC power supply inputs up to 53 V and AC power supply inputs up to 37 V

Type	[Ue] Operational Voltage (V)	Module Width 18mm/module	Reference	Unit LP
PRI	48 V DC	1	A9L16339	11600
PRC	130 V AC	1	A9L16337	7100

Note: For all above Reference MOQ = 1



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## Schneider Electric India Pvt. Ltd.

Corporate Office: 9th Floor, DLF Building No. 10, Tower C, DLF Cyber City, Phase II, Gurgaon 122002 Haryana  
Tel.: ++91 124 3940400 Fax: ++91 124 4222036/ 037

### Ahmedabad

Schneider Electric India (P) Ltd.  
42 A, 4th Floor, Space House,  
Opp. Sri Krishna Centre,  
Mithakali Six Roads,  
Ahmedabad- 380009  
Tel.: 079-3940400

### Coimbatore

Schneider Electric India (P) Ltd.  
No. -104, Classic Tower, 3rd Floor,  
Trichy Road, Coimbatore- 641018  
Tel.: 0422-3940400

### Ludhiana

Schneider Electric India (P) Ltd.  
Office No. - 3, 5th Floor, Novelty Plaza  
Bhaiwala Chowk  
Ludhiana- 140001  
Tel.: 0161- 4656672-75

### Secunderabad

D.No. 1-8-271, # 401, Ashoka Bhoopal  
Chambers, SP Road,  
Secunderabad - 500003  
Tel.: 04039404000  
Fax.: 040-39131313

### Bangalore

Schneider Electric India (P) Ltd.  
4th floor, Electra, Wing A,  
Exora Business Parks, Marathahalli  
Sarjapur Outer Ring Road,  
Bangalore- 560103  
Tel.: 080 4333 3333

### Jaipur

Schneider Electric India (P) Ltd.  
Jaipur Business Centre 309, 3rd Floor,  
Sangam Tower 190, Church Road,  
Jaipur-302001  
Tel.: 0141-3912903

### Mumbai

Schneider Electric India (P) Ltd.  
Marwah House, 2nd Floor  
Krishanlal Marwah Marg,  
Andheri (East), Mumbai - 400072  
Tel.: 91-22-30263300

### Vadodara

Schneider Electric India (P) Ltd.  
Ground Floor, Vanijya Bhavan Race Course  
Circle  
Alkapuri, Vadodara - 390007  
Tel.: 0265-3940400

### Chandigarh

Schneider Electric India (P) Ltd.  
2nd Floor of Tower A  
Bestech Business Tower  
Sector-66  
Mohali- 160059  
Tel.: 0172-3324500

### Kolkata

Schneider Electric (I) Pvt. Ltd.,  
BP-4, Sector-V  
Technopolis  
3rd floor, Salt Lake City  
Kolkata- 700 091  
Tel.: 033-333640100-101

### Nagpur

Schneider Electric India (P) Ltd.  
Fortune Business Centre, 6,  
Basant Vihar, W.H.C Road  
Shankar Nagar, Nagpur- 440010  
Tel.: 0712-2558581

### Vishakhapatnam

Schneider Electric India (P) Ltd.  
Ratnam's Business Centre,  
D.N.10-1-43, 1st Floor  
Siripuram Fort, C.B.M. Compound,  
Visakhapatnam- 530016  
Tel.: 0891 - 2508990

### Chennai

Schneider Electric India (P) Ltd.  
172, Punamallee Bypass Road  
Chennai- 600056.  
Tel.: 91-44-30962300

### Lucknow

Schneider Electric India (P) Ltd.  
1st Floor, Asha Bhawan 27 / II -A,  
Gokhale Marg, Lucknow- 226001  
Tel.: 0522-4006010

### Pune

Schneider Electric India (P) Ltd.  
1st Floor, R.B. Business Centre  
Above Dass Electronics  
Sanghvi Nagar, Aundh, Pune- 411007  
Tel.: 020-39404000

### Cochin

Schneider Electric India (P) Ltd.  
41 / 406- D1, 3rd Floor, Beejay Towers,  
Rajaji Road Cochin- 682035  
Tel.: 0484-3048401

For more information, visit our website at: [www.schneider-electric.co.in](http://www.schneider-electric.co.in)

## Customer Care Centre

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

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

Email: [customercare.in@schneider-electric.com](mailto:customercare.in@schneider-electric.com)

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