

Life Is On

Schneider  
Electric



 Price List

# Industrial Automation Products

With effect from December 29, 2016









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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	1700
	24 V	2.2 A	50 W	ABL2REM24020H 	1854
	24 V	4.2 A	100 W	ABL2REM24045H 	3090
	24 V	6.5 A	150 W	ABL2REM24065H 	3914
	24 V	8.3 A	200 W	ABL2REM24085H	4944
	24 V	10.5 A	250 W	ABL2REM24100H 	5974
	24 V	14.6 A	350 W	ABL2REM24150H 	9888


## 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	3399
	24 V DC	2.5 A	60 W	ABL1REM24025 	3183
		4.2 A	100 W	ABL1REM24042 	4316
100...120 V AC	24 V DC	6.2 A	150 W	ABL1REM24062 	5088
		10 A	240 W	ABL1REM24100 	8436
<b>With Anti-Harmonic Filter</b>					
100...240 V AC	12 V DC	8.3 A	100 W	ABL1RPM12083	4996
	24 V DC	4.2 A	100 W	ABL1RPM24042 	5088
100...120 V AC	24 V DC	6.2 A	150 W	ABL1RPM24062 	6582
		10 A	240 W	ABL1RPM24100 	9867

## 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	6468
	12 V DC	2 A	25 W	ABL8MEM12020	5727
<b>Optimum Range (without PFC, Automatic or Manual Reset)</b>					
100...240 V AC	24 V	3 A	72 W	ABL8REM24030	7426
	24 V	5 A	120 W	ABL8REM24050 	11145
<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	9764
	24 V	5 A	120 W	ABL8RPS24050	12834
100...120 V single phase 200...240 V	24 V	10 A	240 W	ABL8RPS24100	15914
	24 V	20 A	480 W	ABL8RPM24200 	20693
380...500 V three phase	24 V	20 A	480 W	ABL8WPS24200	22588
	24 V	40 A	960 W	ABL8WPS24400	37132

## Accessories


Description	Reference	Unit MRP 
<b>ABL 1</b>		
reversible mounting bracket - for regulated switch mode	ABL1A01	371
mounting plate for 35 mm rail - for regulated switch mode	ABL1A02	371
Note: To be ordered in lot of 5.		
<b>ABL 8 - Universal Range Accessories</b>		
Battery Back-up module 20A	ABL8BBU24200	19096
Battery Back-up module 40A	ABL8BBU24400	25585
Battery pack 7 Ah	ABL8BPK24A07	13627
Buffer module 40A	ABL8BUF24400	18200
Protection module with two pole breaking	ABL8PRP24100	15914
Redundancy Module	ABL8RED24400	12092
Protection module with single pole breaking	ABL8PRE24100	11031

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



 NORMAL STOCK ITEMS

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## 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	6017
230 V AC single phase ±15 V	24 V AC	63	ABT7ESM006B	4599
230 V AC single phase ±15 V	24 V AC	100	ABT7ESM010B	5072
230 V AC single phase ±15 V	24 V AC	160	ABT7ESM016B	6489
230 V AC single phase ±15 V	24 V AC	250	ABT7ESM025B	8379
230 V AC single phase ±15 V	24 V AC	320	ABT7ESM032B	10385
230 V AC single phase ±15 V	24 V AC	400	ABT7ESM040B	10731

## 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	5849
230/400 V single phase ±15 V	24 V AC	40	ABL6TS04B	6017
230/400 V single phase ±15 V	24 V AC	63	ABL6TS06B	6132
230/400 V single phase ±15 V	24 V AC	100	ABL6TS10B	6825
230/400 V single phase ±15 V	24 V AC	160	ABL6TS16B	7760
230/400 V single phase ±15 V	24 V AC	250	ABL6TS25B	9377
230/400 V single phase ±15 V	24 V AC	400	ABL6TS40B	15047
230/400 V single phase ±15 V	24 V AC	630	ABL6TS63B	19887
230/400 V single phase ±15 V	24 V AC	1000	ABL6TS100B	26555
230/400 V single phase ±15 V	24 V AC	1600	ABL6TS160B	53949
230/400 V single phase ±15 V	24 V AC	2500	ABL6TS250B	84735
230/400 V single phase ±15 V	115 V AC	25	ABL6TS02G	5849
230/400 V single phase ±15 V	115 V AC	40	ABL6TS04G	6017
230/400 V single phase ±15 V	115 V AC	63	ABL6TS06G	6132
230/400 V single phase ±15 V	115 V AC	100	ABL6TS10G	6479
230/400 V single phase ±15 V	115 V AC	160	ABL6TS16G	8001
230/400 V single phase ±15 V	115 V AC	250	ABL6TS25G	9377
230/400 V single phase ±15 V	115 V AC	400	ABL6TS40G	15047
230/400 V single phase ±15 V	115 V AC	630	ABL6TS63G	20664
230/400 V single phase ±15 V	115 V AC	1000	ABL6TS100G	25358
230/400 V single phase ±15 V	115 V AC	1600	ABL6TS160G	38808
230/400 V single phase ±15 V	115 V AC	2500	ABL6TS250G	65688
230/400 V single phase ±15 V	230 V AC	25	ABL6TS02U	5849
230/400 V single phase ±15 V	230 V AC	40	ABL6TS04U	6017
230/400 V single phase ±15 V	230 V AC	63	ABL6TS06U	6132
230/400 V single phase ±15 V	230 V AC	100	ABL6TS10U	6479
230/400 V single phase ±15 V	230 V AC	160	ABL6TS16U	7644
230/400 V single phase ±15 V	230 V AC	250	ABL6TS25U	9377
230/400 V single phase ±15 V	230 V AC	400	ABL6TS40U	15047
230/400 V single phase ±15 V	230 V AC	630	ABL6TS63U	18869
230/400 V single phase ±15 V	230 V AC	1000	ABL6TS100U 	25358
230/400 V single phase ±15 V	230 V AC	1600	ABL6TS160U	38294
230/400 V single phase ±15 V	230 V AC	2500	ABL6TS250U	63137

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

 NORMAL STOCK ITEMS

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## 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	6479
230/400 V single phase ±15 V	24/48 V AC	63	ABT7PDU006B	6825
230/400 V single phase ±15 V	24/48 V AC	250	ABT7PDU025B	12170
230/400 V single phase ±15 V	24/48 V AC	400	ABT7PDU040B	14427
230/400 V single phase ±15 V	24/48 V AC	630	ABT7PDU063B	22229
230/400 V single phase ±15 V	115/230 V AC	25	ABT7PDU002G	6248
230/400 V single phase ±15 V	115/230 V AC	40	ABT7PDU004G	6479
230/400 V single phase ±15 V	115/230 V AC	63	ABT7PDU006G	6825
230/400 V single phase ±15 V	115/230 V AC	100	ABT7PDU010G	7644
230/400 V single phase ±15 V	115/230 V AC	160	ABT7PDU016G	9030
230/400 V single phase ±15 V	115/230 V AC	250	ABT7PDU025G	11645
230/400 V single phase ±15 V	115/230 V AC	400	ABT7PDU040G	13776
230/400 V single phase ±15 V	115/230 V AC	630	ABT7PDU063G	22229
230/400 V single phase ±15 V	115/230 V AC	1000	ABT7PDU100G	26513
230/400 V single phase ±15 V	115/230 V AC	1600	ABT7PDU160G	43869
230/400 V single phase ±15 V	115/230 V AC	2500	ABT7PDU250G	64712
230/400 V single phase ±15 V	115/230 V AC	25	ABT7PDU002B	7875
230/400 V single phase ±15 V	115/230 V AC	100	ABT7PDU010B	7644
230/400 V single phase ±15 V	115/230 V AC	160	ABT7PDU016B	10532
230/400 V single phase ±15 V	115/230 V AC	1000	ABT7PDU100B	29033
230/400 V single phase ±15 V	115/230 V AC	1600	ABT7PDU160B	48048
230/400 V single phase ±15 V	115/230 V AC	2500	ABT7PDU250B	70875

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# 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	9580
		4 kW	adjustable from 1 to 10 s	9 A	ATS01N209QN	11087
		5.5 kW	adjustable from 1 to 10 s	12 A	ATS01N212QN	13993
		7.5 kW/11 kW	adjustable from 1 to 10 s	22 A	ATS01N222QN	17761
		15 kW	adjustable from 1 to 10 s	32 A	ATS01N232QN	25403

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



## ATS48 Soft Start – Soft Stop unit

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	50022
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	51468
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	57132
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	62795
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	68583
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	79150
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	89621
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	102813
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	103029
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	115349
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	153395
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	162455
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	174153
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	188180
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	270085
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	309531
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	316643
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	428119
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	577053
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	682831
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	755465

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


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

**NORMAL STOCK ITEMS**

W.E.F. December 29, 2016

# Soft Starters

## ATS22 Soft Start - Soft Stop Unit

Rated Current		Motor Power kW		Reference	Unit LP 
17 A for Motor Power Supply Line Motor Delta Connection	17 A for	7.5 kW 400 V for Motor Power Supply Line for Motor Delta Connection	11 kW 400 V	ATS22D17Q	48,379
32 A for Motor Power Supply Line Motor Delta Connection	32 A for	15 kW 400 V for Motor Power Supply Line for Motor Delta Connection	22 kW 400 V	ATS22D32Q	51,141
47 A for Motor Power Supply Line Motor Delta Connection	47 A for	22 kW 400 V for Motor Power Supply Line for Motor Delta Connection	45 kW 400 V	ATS22D47Q	58,701
62 A for Motor Power Supply Line Motor Delta Connection	62 A for	30 kW 400 V for Motor Power Supply Line for Motor Delta Connection	55 kW 400 V	ATS22D62Q	68,484
75 A for Motor Power Supply Line Motor Delta Connection	75 A for	37 kW 400 V for Motor Power Supply Line for Motor Delta Connection	55 kW 400 V	ATS22D75Q	78,268
88 A for Motor Power Supply Line Motor Delta Connection	88 A for	45 kW 400 V for Motor Power Supply Line for Motor Delta Connection	75 kW 400 V	ATS22D88Q	88,906
110 A for Motor Power Supply Line for Motor Delta Connection	110 A	55 kW 400 V for Motor Power Supply Line for Motor Delta Connection	90 kW 400 V	ATS22C11Q	94,099
140 A for Motor Power Supply Line for Motor Delta Connection	140 A	75 kW 400 V for Motor Power Supply Line V for Motor Delta Connection	110 kW 400	ATS22C14Q	100,769
170 A for Motor Power Supply Line for Motor Delta Connection	170 A	90 kW 400 V for Motor Power Supply Line V for Motor Delta Connection	132 kW 400	ATS22C17Q	134,034
210 A for Motor Power Supply Line for Motor Delta Connection	210 A	110 kW 400 V for Motor Power Supply Line V for Motor Delta Connection	160 kW 400	ATS22C21Q	180,935
250 A for Motor Power Supply Line for Motor Delta Connection	250 A	132 kW 400 V for Motor Power Supply Line V for Motor Delta Connection	220 kW 400	ATS22C25Q	184,490
320 A for Motor Power Supply Line for Motor Delta Connection	320 A	160 kW 400 V for Motor Power Supply Line V for Motor Delta Connection	250 kW 400	ATS22C32Q	211,672
410 A for Motor Power Supply Line for Motor Delta Connection	410 A	220 kW 400 V for Motor Power Supply Line V for Motor Delta Connection	315 kW 400	ATS22C41Q	219,397
480 A for Motor Power Supply Line for Motor Delta Connection	480 A	250 kW 400 V for Motor Power Supply Line V for Motor Delta Connection	355 kW 400	ATS22C48Q	275,788
590 A for Motor Power Supply Line for Motor Delta Connection	590 A	315 kW 400 V for Motor Power Supply Line V for Motor Delta Connection	400 kW 400	ATS22C59Q	332,614

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016



# 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	ATV12H018F1	9696
0.18	0.25	1.4	ATV12H018M2	10168
0.37	0.55	2.4	ATV12H037M2	12309
0.55	0.75	3.5	ATV12H055M2	12924
0.75	1	4.2	ATV12H075M2	14216
1.5	2	7.5	ATV12HU15M2	18093
1.5	2	7.5	ATV12HU15M3	21787
2.2	3	10	ATV12HU22M2	24861



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	23571
0.75	1	2.3	ATV310H075N4E	26275
1.5	2	4.1	ATV310HU15N4E	28848
2.2	3	5.5	ATV310HU22N4E	34559
3	4	7.1	ATV310HU30N4E	41974
4	5	9.5	ATV310HU40N4E	41994
5.5	7.5	12.6	ATV310HU55N4E	52803
7.5	10	17	ATV310HU75N4E	62959
11	15	24	ATV310HD11N4E	86437

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# 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"/>	11141
Zelio Logic module - 20 I O, RLY - w/o clock - with display	SR2A201BD <input checked="" type="checkbox"/>	18281
Zelio Logic module - 12 I O,TRN - with clock - with display	SR2B121BD <input checked="" type="checkbox"/>	10164
Zelio Logic module - 12 I O,TRN - with clock - with display	SR2B122BD	15467
Zelio Logic module - 20 I O, RLY - with clock - with display	SR2B201BD <input checked="" type="checkbox"/>	19793
Zelio Logic module - 20 I O, RLY - with clock - with display	SR2B202BD	21095
Zelio Logic module - 10 I O, RLY - w/o clock - w/o display	SR2D101BD <input checked="" type="checkbox"/>	6710
Zelio Logic module - 20 I O, RLY - w/o clock - w/o display	SR2D201BD <input checked="" type="checkbox"/>	16548
Zelio Logic module - 12 I O, RLY - with clock - w/o display	SR2E121BD	10490
Zelio Logic module - 20 I O, RLY - with clock - w/o display	SR2E201BD	19362
Zelio Logic module - 10 I O, RLY - with clock - with display	SR3B101BD	12117
Zelio Logic module - 10 I O, TRN - with clock - with display	SR3B102BD	11361
Zelio Logic module - 26 I O, RLY - with clock - with display	SR3B261BD <input checked="" type="checkbox"/>	25631
Zelio Logic module - 26 I O, TRN - with clock - with display	SR3B262BD	24980
<b>Voltage 100-240V AC</b>		
Zelio Logic module - 10 I O, RLY - w/o clock - with display	SR2A101FU <input checked="" type="checkbox"/>	12653
Zelio Logic module - 20 I O, RLY - w/o clock - with display	SR2A201FU <input checked="" type="checkbox"/>	18932
Zelio Logic module - 12 I O, RLY - with clock - with display	SR2B121FU <input checked="" type="checkbox"/>	12653
Zelio Logic module - 20 I O, RLY - with clock - with display	SR2B201FU <input checked="" type="checkbox"/>	20979
Zelio Logic module - 10 I O, RLY - w/o clock - w/o display	SR2D101FU	9083
Zelio Logic module - 20 I O, RLY - w/o clock - w/o display	SR2D201FU	19037
Zelio Logic module - 12 I O, RLY - with clock - w/o display	SR2E121FU	11361
Zelio Logic module - 20 I O, RLY - with clock - w/o display	SR2E201FU	21410
Zelio Logic module - 10 I O, RLY - with clock - with display	SR3B101FU	13839
Zelio Logic module - 26 I O, RLY - with clock - with display	SR3B261FU <input checked="" type="checkbox"/>	26177
<b>Voltage 12V DC</b>		
Zelio Logic module - 12 I O - with clock - with display	SR2B121JD	13083
Zelio Logic module - 20 I O - with clock - with display	SR2B201JD	16653
<b>Voltage 24V AC</b>		
Zelio Logic module - 12 I O - with clock - with display	SR2B121B	13083
Zelio Logic module - 20 I O - with clock - with display	SR2B201B	24770
Zelio Logic module - 20 I O - with clock - w/o display	SR2E201B	19467
Zelio Logic module - 10 I O - with clock - with display	SR3B101B	13409
Zelio Logic module - 24 I O - with clock - with display	SR3B261B	27584

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

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

NORMAL STOCK ITEMS




W.E.F. December 29, 2016

# Zelio Logic









I/O Extension module


## I/O Extension modules

Description	Reference	Unit MRP 
discrete I/O extension module - 6 I O 4DI, 2DO - 24 V DC	SR3XT61BD	5187
discrete I/O extension module - 6 I O 4DI, 2DO	SR3XT61FU	5408
discrete I/O extension module - 10 I O 6DI, 4DO - 24 V DC	SR3XT101BD 	5408
discrete I/O extension module - 10 I O 6DI, 4DO	SR3XT101FU	6815
discrete I/O extension module - 14 I O 8DI, 6DO - 24 V AC	SR3XT141B	9303
discrete I/O extension module - 14 I O 8DI, 6DO - 24 V DC	SR3XT141BD 	7571
discrete I/O extension module - 14 I O 8DI, 6DO	SR3XT141FU	7896
Analogue I/O extension module - 2 AI/ 2AO	SR3XT43BD	12222

## Accessories

Description	Reference	Unit MRP 
SUB-D 9-pin PC connecting cable - 3 m	SR2CBL01 	3465
SUB-D 9-pin modem connecting cable - 0.5 m	SR2CBL07 	7791
communication interface	SR2COM01	11246
documentation - programming on the smart relay - EN	SR2MAN01EN	1838
memory cartridge firmware - up to v 2.4 - EEPROM	SR2MEM01 	1512
memory cartridge firmware - for v 3.0 - EEPROM	SR2MEM02 	1838
modem interface - analog PSTN	SR2MOD01	49098
modem interface - GSM	SR2MOD02	41643
programming software "Zelio Soft 2" multilingual - CD-ROM	SR2SFT01	1838
USB PC connecting cable - 3 m	SR2USB01 	9513

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

 NORMAL STOCK ITEMS

W.E.F. December 29, 2016



- 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	538
1CO 10A Relay +LTB-LED 48VAC	RXG11E7	549
1CO 10A Relay +LTB-LED 120VAC	RXG11F7	549
1CO 10A Relay +LTB-LED 220VAC	RXG11M7	549
1CO 10A Relay +LTB-LED 230VAC	RXG11P7	538
1CO 10A Relay +LTB-LED 6VDC	RXG11RD	442
1CO 10A Relay +LTB-LED 12VDC	RXG11JD	442
1CO 10A Relay +LTB-LED 24VDC	RXG11BD	433
1CO 10A Relay +LTB-LED 48VDC	RXG11ED	442
1CO 10A Relay +LTB-LED 60VDC	RXG11ND	442
1CO 10A Relay +LTB-LED 110VDC	RXG11FD	442
1CO 10A Relay +LTB+LED 24VAC	RXG12B7	596
1CO 10A Relay +LTB+LED 48VAC	RXG12E7	596
1CO 10A Relay +LTB+LED 120VAC	RXG12F7	596
1CO 10A Relay +LTB+LED 220VAC	RXG12M7	596
1CO 10A Relay +LTB+LED 230VAC	RXG12P7	596
1CO 10A Relay +LTB+LED 6VDC	RXG12RD	487
1CO 10A Relay +LTB+LED 12VDC	RXG12JD	487
1CO 10A Relay +LTB+LED 24VDC	RXG12BD	487
1CO 10A Relay +LTB+LED 48VDC	RXG12ED	487
1CO 10A Relay +LTB+LED 60VDC	RXG12ND	487
1CO 10A Relay +LTB+LED 110VDC	RXG12FD	487
1CO 10A Relay-LTB+LED 24VAC	RXG13B7	572
1CO 10A Relay-LTB+LED 48VAC	RXG13E7	572
1CO 10A Relay-LTB+LED 120VAC	RXG13F7	572
1CO 10A Relay-LTB+LED 220VAC	RXG13M7	572
1CO 10A Relay-LTB+LED 230VAC	RXG13P7	572
1CO 10A Relay-LTB+LED 6VDC	RXG13RD	463
1CO 10A Relay-LTB+LED 12VDC	RXG13JD	463
1CO 10A Relay-LTB+LED 24VDC	RXG13BD	463
1CO 10A Relay-LTB+LED 48VDC	RXG13ED	463
1CO 10A Relay-LTB+LED 60VDC	RXG13ND	463
1CO 10A Relay-LTB+LED 110VDC	RXG13FD	463
1CO 10A Relay Clear 24VAC	RXG15B7	497
1CO 10A Relay Clear 48VAC	RXG15E7	497
1CO 10A Relay Clear 120VAC	RXG15F7	497
1CO 10A Relay Clear 220VAC	RXG15M7	497
1CO 10A Relay Clear 230VAC	RXG15P7	497
1CO 10A Relay Clear 6VDC	RXG15RD	387
1CO 10A Relay Clear 12VDC	RXG15JD	387
1CO 10A Relay Clear 24VDC	RXG15BD	387
1CO 10A Relay Clear 48VDC	RXG15ED	387
1CO 10A Relay Clear 60VDC	RXG15ND	387
1CO 10A Relay Clear 110VDC	RXG15FD	387
2CO 5A Relay +LTB-LED 24VAC	RXG21B7	590
2CO 5A Relay +LTB-LED 48VAC	RXG21E7	602
2CO 5A Relay +LTB-LED 120VAC	RXG21F7	602
2CO 5A Relay +LTB-LED 220VAC	RXG21M7	602

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


NORMAL STOCK ITEMS

W.E.F. December 29, 2016



- 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	590
2CO 5A Relay +LTB-LED 6VDC	RXG21RD	495
2CO 5A Relay +LTB-LED 12VDC	RXG21JD	495
2CO 5A Relay +LTB-LED 24VDC	RXG21BD	486
2CO 5A Relay +LTB-LED 48VDC	RXG21ED	495
2CO 5A Relay +LTB-LED 60VDC	RXG21ND	495
2CO 5A Relay +LTB-LED 110VDC	RXG21FD	495
2CO 5A Relay +LTB+LED 24VAC	RXG22B7	650
2CO 5A Relay +LTB+LED 48VAC	RXG22E7	650
2CO 5A Relay +LTB+LED 120VAC	RXG22F7	650
2CO 5A Relay +LTB+LED 220VAC	RXG22M7	650
2CO 5A Relay +LTB+LED 230VAC	RXG22P7	650
2CO 5A Relay +LTB+LED 6VDC	RXG22RD	541
2CO 5A Relay +LTB+LED 12VDC	RXG22JD	541
2CO 5A Relay +LTB+LED 24VDC	RXG22BD	541
2CO 5A Relay +LTB+LED 48VDC	RXG22ED	541
2CO 5A Relay +LTB+LED 60VDC	RXG22ND	541
2CO 5A Relay +LTB+LED 110VDC	RXG22FD	541
2CO 5A Relay-LTB+LED 24VAC	RXG23B7	626
2CO 5A Relay-LTB+LED 48VAC	RXG23E7	626
2CO 5A Relay-LTB+LED 120VAC	RXG23F7	626
2CO 5A Relay-LTB+LED 220VAC	RXG23M7	626
2CO 5A Relay-LTB+LED 230VAC	RXG23P7	626
2CO 5A Relay-LTB+LED 6VDC	RXG23RD	517
2CO 5A Relay-LTB+LED 12VDC	RXG23JD	517
2CO 5A Relay-LTB+LED 24VDC	RXG23BD	517
2CO 5A Relay-LTB+LED 48VDC	RXG23ED	517
2CO 5A Relay-LTB+LED 60VDC	RXG23ND	517
2CO 5A Relay-LTB+LED 110VDC	RXG23FD	517
2CO 5A Relay Clear 24VAC	RXG25B7	549
2CO 5A Relay Clear 48VAC	RXG25E7	549
2CO 5A Relay Clear 120VAC	RXG25F7	549
2CO 5A Relay Clear 220VAC	RXG25M7	549
2CO 5A Relay Clear 230VAC	RXG25P7	549
2CO 5A Relay Clear 6VDC	RXG25RD	439
2CO 5A Relay Clear 12VDC	RXG25JD	439
2CO 5A Relay Clear 24VDC	RXG25BD	439
2CO 5A Relay Clear 48VDC	RXG25ED	439
2CO 5A Relay Clear 60VDC	RXG25ND	439
2CO 5A Relay Clear 110VDC	RXG25FD	439
<b>Accessories</b>		
1CO Separate terminal socket with clamp	RGZE1S35M	260
2CO Separate terminal socket with clamp	RGZE1S48M	289
Plastic maintaining clamp for RGZ socket	RGZR215	27

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




 **NORMAL STOCK ITEMS**

W.E.F. December 29, 2016

## 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	369
24 V DC	RXM2LB1BD	345
48 V DC	RXM2LB1ED	390
24 V AC	RXM2LB1B7	359
120 V AC	RXM2LB1F7	359
230 V AC	RXM2LB1P7	351
<b>4 C/O - 3 AMPS</b>		
12 V DC	RXM4LB1JD	435
24 V DC	RXM4LB1BD	398
48 V DC	RXM4LB1ED	448
24 V AC	RXM4LB1B7	435
120 V AC	RXM4LB1F7	448
230 V AC	RXM4LB1P7	398
<b>Without Lockable Test Button with LED</b>		
<b>2 C/O - 5 AMPS</b>		
12 V DC	RXM2LB2JD	398
24 V DC	RXM2LB2BD 	370
48 V DC	RXM2LB2ED	398
24 V AC	RXM2LB2B7	398
120 V AC	RXM2LB2F7	398
230 V AC	RXM2LB2P7 	370
36 V DC	RXM2LB2CD	410
110 V DC	RXM2LB2FD	398
<b>4 C/O - 3 AMPS</b>		
12 V DC	RXM4LB2JD	448
24 V DC	RXM4LB2BD 	418
48 V DC	RXM4LB2ED	448
24 V AC	RXM4LB2B7	448
120 V AC	RXM4LB2F7	448
230 V AC	RXM4LB2P7 	418
36 V DC	RXM4LB2CD	461
110 V DC	RXM4LB2FD	448

## Accessories


Description	Reference	Unit LP 
<b>Sockets</b>		
Sockets - mixed-screw clamp - relay type RXM2 (without lockable test button)	RXZE1M2C 	169
Sockets - mixed-screw clamp - relay type RXM2/RXM4 (without lockable test button)	RXZE1M4C 	215

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


 NORMAL STOCK ITEMS

W.E.F. December 29, 2016

## RXM\*NB Miniature Relays

Control Circuit Voltage	Reference	Unit LP 
<b>Miniature Relays without Lockable Test-Button, with LED</b>		
<b>2 Change Over - 10 AMPS Contact Rating</b>		
12 V DC	RXM2NB3JD	429
24 V DC	RXM2NB3BD	388
110 V DC	RXM2NB3FD	388
220 V DC	RXM2NB3MD	510
24 V AC	RXM2NB3B7	429
120 V AC	RXM2NB3F7	429
230 V AC	RXM2NB3P7	388
<b>4 Change Over - 5 AMPS Contact Rating</b>		
12 V DC	RXM4NB3JD	480
24 V DC	RXM4NB3BD	449
110 V DC	RXM4NB3FD	480
220 V DC	RXM4NB3MD	561
24 V AC	RXM4NB3B7	480
120 V AC	RXM4NB3F7	480
230 V AC	RXM4NB3P7	449

## RXZ Miniature Relay Socket














Description	Reference	Unit LP 
<b>Accessories</b>		
<b>Sockets</b>		
socket for miniature relay - for RXM2N - with mixed contacts - screw clamp	RXZE2M2N	179
socket for miniature relay - for RXM4N - with mixed contacts - screw clamp	RXZE2M4N	204

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


NORMAL STOCK ITEMS

W.E.F. December 29, 2016





## 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	505
24 V AC	RXM2AB1B7	505
24 V DC	RXM2AB1BD 	487
48 V AC	RXM2AB1E7	505
48 V DC	RXM2AB1ED	505
110 V DC	RXM2AB1FD	520
120 V AC	RXM2AB1F7 	505
230 V AC	RXM2AB1P7 	487
<b>3 Change Over - 10 AMPS Contact Rating</b>		
12 V DC	RXM3AB1JD	689
24 V AC	RXM3AB1B7	767
24 V DC	RXM3AB1BD	688
48 V AC	RXM3AB1E7	865
48 V DC	RXM3AB1ED	875
110 V DC	RXM3AB1FD	875
120 V AC	RXM3AB1F7	709
230 V AC	RXM3AB1P7	709
<b>4 Change Over - 6 AMPS Contact Rating</b>		
12 V DC	RXM4AB1JD	618
24 V AC	RXM4AB1B7	618
24 V DC	RXM4AB1BD 	618
48 V AC	RXM4AB1E7	636
48 V DC	RXM4AB1ED	687
110 V DC	RXM4AB1FD	687
120 V AC	RXM4AB1F7 	618
220 V DC	RXM4AB1MD	687
230 V AC	RXM4AB1P7 	618
240 V AC	RXM4AB1U7	618
<b>With LED</b>		
<b>2 Change Over - 12 AMPS Contact Rating</b>		
12 V DC	RXM2AB2JD	528
24 V AC	RXM2AB2B7	525
24 V DC	RXM2AB2BD 	505
48 V AC	RXM2AB2E7	528
48 V DC	RXM2AB2ED	528
110 V DC	RXM2AB2FD	528
120 V AC	RXM2AB2F7 	528
230 V AC	RXM2AB2P7 	505
<b>3 Change Over - 10 AMPS Contact Rating</b>		
12 V DC	RXM3AB2JD	679
24 V AC	RXM3AB2B7	705
24 V DC	RXM3AB2BD	659
48 V AC	RXM3AB2E7	830
48 V DC	RXM3AB2ED	811
110 V DC	RXM3AB2FD	689
120 V AC	RXM3AB2F7	677
230 V AC	RXM3AB2P7	677
<b>4 Change Over - 6 AMPS Contact Rating</b>		
12 V DC	RXM4AB2JD	720
24 V AC	RXM4AB2B7	720
24 V DC	RXM4AB2BD 	684
48 V AC	RXM4AB2E7	720
48 V DC	RXM4AB2ED	720
110 V DC	RXM4AB2FD	720
120 V AC	RXM4AB2F7 	720
125 V DC	RXM4AB2GD	720
230 V AC	RXM4AB2P7 	684

## 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	728
	RXM4GB2JD	774
24 V AC	RXM4GB1B7	728
	RXM4GB2B7	774
24 V DC	RXM4GB1BD	728
	RXM4GB2BD	752
48 V AC	RXM4GB1E7	728
	RXM4GB2E7	774
48 V DC	RXM4GB1ED	728
	RXM4GB2ED	774
110 V DC	RXM4GB1FD	728
	RXM4GB2FD	774
120 V AC	RXM4GB1F7	728
	RXM4GB2F7	774
230 V AC	RXM4GB2P7	774
	RXM4GB1P7	707
240 V AC	RXM4GB2U7	752

## RXZ Miniature Relays

Description	Reference	Unit LP 
<b>Accessories</b>		
<b>Sockets</b>		
Socket for miniature relay - Zelio RXZ - with mixed contacts - connectors	RXZE2M114M 	235
Socket for miniature relay - Zelio RXZ - with mixed contacts - screw clamp	RXZE2M114 	261
Socket for miniature relay - Zelio RXZ - with separate contacts - connectors	RXZE2S111M 	300
	RXZE2S114M	321
<b>Protection Modules</b>		
<b>Diode</b>		
Protection module - diode - 6..250V DC - for miniature relay socket RXZ	RXM040W	120
<b>RC Circuit</b>		
Protection module - RC circuit - 110..240 AC - for miniature relay socket RXZ	RXM041FU7	131
Protection module - RC circuit - 24..60 AC - for miniature relay socket RXZ	RXM041BN7	131
<b>Varistor</b>		
Protection module -Varistor - 24..60V AC/DC - for miniature relay socket RXZ	RXM021BN	155
Protection module -Varistor - 6..24V AC/DC - for miniature relay socket RXZ	RXM021RB	155
Protection module -Varistor -110..240 AC/DC - for miniature relay socket RXZ	RXM021FP	146
<b>Clips and Legends</b>		
Clip-in legends-for Sockets having separate contact	RXZL420	18
Clip-in legends - for Zelio relay - set of 10	RXZL520	228
Metal maintaining clamp - for miniature relay socket RXZ	RXZ400	43
Mounting adaptor for DIN rail - for miniature relay socket RXZ	RXZE2DA	62
Mounting adaptor with fixing lugs for panel - for miniature relay socket RXZ	RXZE2FA	62
Plastic maintaining clamp - for miniature relay socket RXZ	RXZR335	41


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

 NORMAL STOCK ITEMS


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## RPM Power Relays

Control Circuit Voltage	Reference	Unit LP 
Without LED		
1 Change Over - 15 AMPS Contact Rating		
12 V DC	RPM11JD	878
24 V AC	RPM11B7	878
24 V DC	RPM11BD	872
48 V AC	RPM11E7	878
48 V DC	RPM11ED	878
110 V DC	RPM11FD	878
120 V AC	RPM11F7	1065
230 V AC	RPM11P7	970
2 Change Over - 15 AMPS Contact Rating		
12 V DC	RPM21JD	908
24 V AC	RPM21B7	908
24 V DC	RPM21BD	882
48 V AC	RPM21E7	908
48 V DC	RPM21ED	908
110 V DC	RPM21FD	908
120 V AC	RPM21F7	1065
230 V AC	RPM21P7	908
3 Change Over - 15 AMPS Contact Rating		
12 V DC	RPM31JD	938
24 V AC	RPM31B7	983
24 V DC	RPM31BD	938
48 V AC	RPM31E7	938
48 V DC	RPM31ED	938
110 V DC	RPM31FD	938
120 V AC	RPM31F7	1108
230 V AC	RPM31P7	1010
4 Change Over - 15 AMPS Contact Rating		
12 V DC	RPM41JD	983
24 V AC	RPM41B7	983
24 V DC	RPM41BD	980
48 V AC	RPM41E7	983
48 V DC	RPM41ED	928
110 V DC	RPM41FD	983
120 V AC	RPM41F7	1126
230 V AC	RPM41P7	983
With LED		
1 Change Over - 15 AMPS Contact Rating		
12 V DC	RPM12JD	926
24 V AC	RPM12B7	926
24 V DC	RPM12BD	622
48 V AC	RPM12E7	926
48 V DC	RPM12ED	926
110 V DC	RPM12FD	926
120 V AC	RPM12F7	1108
230 V AC	RPM12P7	1010
2 Change Over - 15 AMPS Contact Rating		
12 V DC	RPM22JD	938
24 V AC	RPM22B7	938
24 V DC	RPM22BD	823
48 V AC	RPM22E7	938
48 V DC	RPM22ED	938
110 V DC	RPM22FD	938
120 V AC	RPM22F7	1108
230 V AC	RPM22P7	920


## RPM Power Relays

Control Circuit Voltage	Reference	Unit LP 
3 Change Over - 15 AMPS Contact Rating		
12 V DC	RPM32JD	954
24 V AC	RPM32B7	954
24 V DC	RPM32BD	1049
48 V AC	RPM32E7	954
48 V DC	RPM32ED	954
110 V DC	RPM32FD	954
120 V AC	RPM32F7	1126
230 V AC	RPM32P7	1049
4 Change Over - 15 AMPS Contact Rating		
12 V DC	RPM42JD	1017
24 V AC	RPM42B7	997
24 V DC	RPM42BD	990
48 V AC	RPM42E7	987
48 V DC	RPM42ED	1017
110 V DC	RPM42FD	988
120 V AC	RPM42F7	1099
230 V AC	RPM42P7	990

## RPZ Power Relays

Description	Reference	Unit LP 
Accessories		
Mixed Contact Socket		
	RPZF2	402
Socket for power relay - Zelio RPZ - with mixed contacts - screw clamp	RPZF1	400
	RPZF4	685
	RPZF3	709
Clips And Legends		
Metal maintaining clamp - for relay socket RPZF1	RPZR235	108
Mounting adaptor for DIN rail - for power relay socket RPZ	RPZ1DA	108
	RPZ3DA	108
	RPZ4DA	147
Mounting adaptor with fixing lugs for panel - for power relay socket RPZ	RPZ1FA	108
	RPZ3FA	108
	RPZ4FA	147

## RPF Power Relays

Control Circuit Voltage	Reference	Unit LP 
N/O - 30 AMPS Contact Rating		
24 V DC	RPF2ABD	1603
120 V AC	RPF2AF7	1650
230 V AC	RPF2AP7	1571
Change Over - 30 AMPS Contact Rating		
12 V DC	RPF2BJD	1345
24 V AC	RPF2BB7	1384
24 V DC	RPF2BBD	1589
110 V DC	RPF2BFD	1384
120 V AC	RPF2BF7	1774
230 V AC	RPF2BP7	1635

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


 NORMAL STOCK ITEMS

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## RE17 Electronic Timers

NEW

Description	Reference	Unit LP 
On Delay Timer 24 240 Vac	RE17LAMW	2048
Off Delay Timer 24 240VAC	RE17LCBM	2441
Timer Function H Solid State Output 24 240VAC	RE17LHBM	3123
Flashing Timer	RE17LLBM	2566
Multi Function Timer	RE17LMBM	2468
Timer Function A at 1C O 24VAC DC 240VAC	RE17RAMU	1958
Timer Function B 1C O 24VAC DC 240VAC	RE17RBMU	2911
Timer Function C 1C O 24VAC DC 240VAC	RE17RCMU	2048
Timer Function H Ht 1C O 24VAC DC 240VAC	RE17RHMU	2108
Flashing Timer	RE17RLJU	2739
Timer Function L Li 1C O 24VAC DC 240VAC	RE17RLMU	2739
MultiFunction Timer 1C O 24VAC DC 240VAC	RE17RMEMU	2439
10 X MultiFunction Timer 1C O 12VAC DC	RE17RMJU	2592
MultiFunction Timer 1C O 24VAC DC 240VAC	RE17RMMU	2518
MultiFunction Timer 1C O 12 240VAC DC	RE17RMMW	2805
MultiFunction Timer 1C O 12 240VAC DC	RE17RMMWS	3021
MultiFunction Timer 1C O 24VAC DC 240VAC	RE17RMXMU	3168

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

NORMAL STOCK ITEMS

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## Biometric Switch

Description	Reference	Unit LP [₹]
Bistable biometric switch, 24 V DC - PNP - by 2m cable	XB5S1B2L2	30273
Bistable biometric switch, 24 V DC - PNP - by M12 connector	XB5S1B2M12	31939
Monostable biometric switch, 24 V DC - PNP - by 2m cable	XB5S2B2L2	30668
Monostable biometric switch, 24 V DC - PNP - by M12 connector	XB5S2B2M12	31841

## Accessories

Description	Reference	Unit MRP [₹]
Protective cover, translucent & self adhesive	ZB5SZ70	754
Diameter 22 mm nut	ZB5SZ71	308
Legend plate 28X7 mm	ZBY0101T	142

## Pushbuttons

Description	Type of Contact	Colour	Reference	Unit LP [₹]
<b>Spring return</b>				
	NO	White	XB5AA11N	142
	NO	Black	XB5AA21N	142
	NO	Green	XB5AA31N	142
<b>Flush</b>				
	NO	Yellow	XB5AA51N	142
	NO	Blue	XB5AA61N	142
	NC	Red	XB5AA42N	142
	NO	Red	XB5AA41N	142
	NO	Blank	XB5AA01N*	142
	NO	White	XB5AL11N	178
	NO	Black	XB5AL21N	173
	NO	Green	XB5AL31N	173
<b>Projecting</b>				
	NO	Yellow	XB5AL51N	173
	NO	Blue	XB5AL61N	173
	NC	Red	XB5AL42N	173
	NO	Red	XB5AL41N	173
<b>Flush with silicon transparent boot</b>				
	NO	Black	XB5AP21N	202
	NO	Green	XB5AP31N	202
	NO	Yellow	XB5AP51N	202
	NO	Blue	XB5AP61N	208
	NC	Red	XB5AP42N	202
	NO	Green	XB5AA3311N	201
	NC	Red	XB5AA4322N	201
<b>Flush, marked (double molding /injection marking)</b>				
	NO	Green	XB5AA3331N	201
	NC	Red	XB5AA4342N	201
	NO	Green	XB5AA3411N	207
	NC	Red	XB5AA4352N	207
<b>Projecting, marked (double molding /injection marking)</b>				
	NC	Red	XB5AL4342N	210
	NC	Red	XB5AL4352N	210
<b>Flush, marked "I/O"</b>				
	NO+NC	Green	XB5AL845N	997

## Pilot lights

Description	Supply Voltage	Colour	Reference	Unit LP [₹]	
With smooth lens (except clear colour)					
	~ 24V	White	XB7EV01BPN	227	
		Green	XB7EV03BPN	210	
		Red	XB7EV04BPN	210	
		Yellow	XB7EV05BPN	210	
		Amber	XB7EV08BPN	210	
		Blue	XB7EV06BPN	434	
		Clear	XB7EV07BPN*	210	
		White	XB7EV01GPN	227	
		Green	XB7EV03GPN	210	
		Red	XB7EV04GPN	210	
<b>Direct Integral LED</b>					
	~ 120V	Yellow	XB7EV05GPN	210	
		Amber	XB7EV08GPN	210	
		Blue	XB7EV06GPN	434	
		Clear	XB7EV07GPN*	210	
		White	XB7EV01MPN	227	
		Green	XB7EV03MPN	210	
		Red	XB7EV04MPN	210	
		~ 230V	Yellow	XB7EV05MPN	210
			Amber	XB7EV08MPN	210
			Blue	XB7EV06MPN	434
		Clear	XB7EV07MPN*	210	

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




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

☑ NORMAL STOCK ITEMS

W.E.F. December 29, 2016

### Illuminated Pushbutton

Description	Type of Contact	Colour	Reference	Unit LP 
With smooth lens (except clear colour)				
Flush Integral LED $\approx$ 24V	NO	White	XB5AW31B1N <input checked="" type="checkbox"/>	413
	NO	Green	XB5AW33B1N <input checked="" type="checkbox"/>	414
	NC	Red	XB5AW34B2N <input checked="" type="checkbox"/>	414
	NO	Yellow	XB5AW35B1N <input checked="" type="checkbox"/>	414
	NO	Amber	XB5AW38B1N <input checked="" type="checkbox"/>	461
	NO	Blue	XB5AW36B1N <input checked="" type="checkbox"/>	800
	NO	Clear	XB5AW37B1N*	800
Projecting Integral LED $\approx$ 24V	NO	White	XB5AW11B1N	406
	NO	Green	XB5AW13B1N <input checked="" type="checkbox"/>	414
	NC	Red	XB5AW14B2N <input checked="" type="checkbox"/>	414
	NO	Yellow	XB5AW15B1N	414
	NO	Amber	XB5AW18B1N	406
	NO	Blue	XB5AW16B1N	785
	NO	Clear	XB5AW17B1N*	418
Push Integral LED $\approx$ 24V	NO	White	XB5AH31B1N	546
	NO	Green	XB5AH33B1N	546
	NC	Red	XB5AH34B2N	546
	NO	Yellow	XB5AH35B1N	546
	NO	Amber	XB5AH38B1N	562
	NO	Blue	XB5AH36B1N	811
	NO	Clear	XB5AH37B1N*	562
Flush Integral LED $\sim$ 110V	NO	White	XB5AW31G1N	505
	NO	Green	XB5AW33G1N <input checked="" type="checkbox"/>	505
	NC	Red	XB5AW34G2N <input checked="" type="checkbox"/>	505
	NO	Yellow	XB5AW35G1N	800
	NO	Amber	XB5AW38G1N	482
	NO	Blue	XB5AW36G1N	800
	NO	Clear	XB5AW37G1N*	915
Flush Integral LED $\sim$ 230V	NO	White	XB5AW31M1N <input checked="" type="checkbox"/>	472
	NO	Green	XB5AW33M1N <input checked="" type="checkbox"/>	414
	NC	Red	XB5AW34M2N <input checked="" type="checkbox"/>	414
	NO	Yellow	XB5AW35M1N <input checked="" type="checkbox"/>	414
	NO	Amber	XB5AW38M1N <input checked="" type="checkbox"/>	461
	NO	Blue	XB5AW36M1N <input checked="" type="checkbox"/>	800
	NO	Clear	XB5AW37M1N*	889
Projecting Integral LED $\sim$ 230V	NO	White	XB5AW11M1N	536
	NO	Green	XB5AW13M1N	414
	NC	Red	XB5AW14M2N	414
	NO	Yellow	XB5AW15M1N	414
	NO	Amber	XB5AW18M1N	406
	NO	Blue	XB5AW16M1N	785
	NO	Clear	XB5AW17M1N*	418
Push Integral LED $\sim$ 230V	NO	White	XB5AH11M1N	623
	NO	Green	XB5AH13M1N <input checked="" type="checkbox"/>	546
	NC	Red	XB5AH14M2N <input checked="" type="checkbox"/>	546
	NO	Yellow	XB5AH15M1N	546
	NO	Amber	XB5AH18M1N	562
	NO	Blue	XB5AH16M1N	835
	NO	Clear	XB5AH17M1N*	562

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

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

## Non-Illuminated Pushbutton

Description	Dia of Head	Type of Contact	Colour	Reference	Unit LP [R]
Mushroom Head					
40		NO	Black	XB5AC21N <input checked="" type="checkbox"/>	275
		NO	Green	XB5AC31N <input checked="" type="checkbox"/>	
		NC	Red	XB5AC42N <input checked="" type="checkbox"/>	
		NO	Red	XB5AC41N <input checked="" type="checkbox"/>	
		NO	Yellow	XB5AC51N	
Spring return		NO	Blue	XB5AC61N	357
		NO	Black	XB5AR21N	
		NO	Green	XB5AR31N <input checked="" type="checkbox"/>	
		NC	Red	XB5AR42N	
		NO	Red	XB5AR41N	
30		NO	Yellow	XB5AR51N	368
		NO	Blue	XB5AR61N	
		NC	Black	XB5AS422N	
		NC	Red	XB5AS442N <input checked="" type="checkbox"/>	
		NC	Black	XB5AS522N <input checked="" type="checkbox"/>	
Turn to release	40	NC	Red	XB5AS542N <input checked="" type="checkbox"/>	269
		NC	Red	XB5AS9445N <input checked="" type="checkbox"/>	625
Key release (n°155)	40	NC	Red	XB5AS9445N <input checked="" type="checkbox"/>	625
		NC	Black	XB5AS122N <input checked="" type="checkbox"/>	485
Trigger action turn to release	40	NC+NO	Red	XB5AS8445N	592
Trigger action key to release	40	NO+NC	Red	XB5AS9445N	625
Trigger action key to release	40	NC	Red	XB5AS9442N	630

## Illuminated Pushbutton with yellow LED

Description	Supply Voltage	Type of Contact	Reference	Unit LP [R]	
Double Headed Pushbuttons (Spring return)					
1 flush push (marked "I") 1 pilot light 1 projecting push (marked "O")	≈ 24V	NO+NC	XB5AW84B5N <input checked="" type="checkbox"/>	989	
	~ 110V	NO+NC	XB5AW84G5N		
	~ 230V	NO+NC	XB5AW84M5N <input checked="" type="checkbox"/>		
Mushroom Head Pushbuttons (Illuminated)					
Turn to release	≈ 24V	NC	Red	XB5AW74B2N <input checked="" type="checkbox"/>	567
	~ 230V-240V	NC	Red	XB5AW74M2N <input checked="" type="checkbox"/>	

## Illuminated - Selector switch

Description	Type of Contact	Colour	Reference	Unit LP [R]
2 stay put ≈ 24V	NO	White	XB5AK121B1N <input checked="" type="checkbox"/>	688
	NO	Green	XB5AK123B1N <input checked="" type="checkbox"/>	596
	NC	Red	XB5AK124B2N <input checked="" type="checkbox"/>	
	NO	Yellow	XB5AK125B1N <input checked="" type="checkbox"/>	
2 spring return from right to left ≈ 24V	NO	Blue	XB5AK126B1N	967
	NO	White	XB5AK141B1N	1046
	NO	Green	XB5AK143B1N	
	NC	Red	XB5AK144B2N	1077
3 stay put ≈ 24V	NO	Yellow	XB5AK145B1N	1046
	NO	Blue	XB5AK146B1N	1309
	2NO	White	XB5AK131B3N	906
	2NO	Green	XB5AK133B3N <input checked="" type="checkbox"/>	626
1NO+1NC	Red	XB5AK134B5N <input checked="" type="checkbox"/>		
3 stay put ≈ 24V	2NO	Yellow	XB5AK135B3N	1208
	2NO	Blue	XB5AK136B3N	
	2NO	White	XB5AK151B3N	679
	2NO	Green	XB5AK153B3N <input checked="" type="checkbox"/>	627
3 spring return to centre ≈ 24V	1NO+1NC	Red	XB5AK154B5N	913
	2NO	Yellow	XB5AK155B3N	1381
	2NO	Blue	XB5AK156B3N	
	NO	White	XB5AK121M1N <input checked="" type="checkbox"/>	688
2 stay put ~ 230V	NO	Green	XB5AK123M1N <input checked="" type="checkbox"/>	596
	NC	Red	XB5AK124M2N <input checked="" type="checkbox"/>	
	NO	Yellow	XB5AK125M1N <input checked="" type="checkbox"/>	
	NO	Blue	XB5AK126M1N	967
2 spring return right to left ~ 230V	NO	White	XB5AK141M1N	1077
	NO	Green	XB5AK143M1N	1046
	NC	Red	XB5AK144M2N	1077
	NO	Yellow	XB5AK145M1N	
3 stay put ~ 230V	NO	Blue	XB5AK146M1N	1309
	2NO	White	XB5AK131M3N	933
	2NO	Green	XB5AK133M3N <input checked="" type="checkbox"/>	626
	1NO+1NC	Red	XB5AK134M5N <input checked="" type="checkbox"/>	
3 spring return to center ~ 230V	2NO	Yellow	XB5AK135M3N	1208
	2NO	Blue	XB5AK136M3N	
	2NO	White	XB5AK151M3N	679
	2NO	Green	XB5AK153M3N <input checked="" type="checkbox"/>	627
3 spring return to center ~ 230V	1NO+1NC	Red	XB5AK154M5N	913
	2NO	Yellow	XB5AK155M3N <input checked="" type="checkbox"/>	1381
	2NO	Blue	XB5AK156M3N <input checked="" type="checkbox"/>	

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

NORMAL STOCK ITEMS

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## 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"/>	347
	2 spring return, right to left	1NO XB5AD41N <input checked="" type="checkbox"/>	554
	3 stay put	2NO XB5AD33N <input checked="" type="checkbox"/>	379
	3 spring return to center	2NO XB5AD53N <input checked="" type="checkbox"/>	404
	3 spring return, left to center	2NO XB5AD73N <input checked="" type="checkbox"/>	404
	3 spring return, right to center	2NO XB5AD83N <input checked="" type="checkbox"/>	434
Long handle black	2 stay put	1NO XB5AJ21N <input checked="" type="checkbox"/>	352
	3 stay put	2NO XB5AJ33N <input checked="" type="checkbox"/>	390
	3 Spring return to center	2NO XB5AJ53N <input checked="" type="checkbox"/>	407
Key switch	2 stay put*	1NO XB5AG21N <input checked="" type="checkbox"/>	533
	2 stay put*	1NO XB5AG021N	608
	2 stay put*	1NO XB5AG41N	533
	2 spring return, right to left	1NO XB5AG61N	946
	3 stay put*	2NO XB5AG53N <input checked="" type="checkbox"/>	567
	3 stay put*	2NO XB5AG03N <input checked="" type="checkbox"/>	452
	3 stay put*	2NO XB5AG33N <input checked="" type="checkbox"/>	598
	3 spring return to center	2NO XB5AG73N <input checked="" type="checkbox"/>	874
	3 spring return, left to center	2NO XB5AG13N	616
	3 spring return, right to center	2NO XB5AG083N	769

\* 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"/>	96
	White/Yellow bkgd.	Blank	ZBY4101N	
With 8 x 27 mm English language marked legend	Black or Red bkgd.	Inch	ZBY2321N	99
		OFF	ZBY2312N	
		ON	ZBY2326N	
		Reset	ZBY2323N	
		Reverse	ZBY2306N	
Legends for emergency stop Mushroom head pushbuttons	Emergency stop Yellow bkgd.	ON	ZBY9330N <input checked="" type="checkbox"/>	96
			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	34
	Black	ZBA2N	
	Red	ZBA4N	33
	Yellow	ZBA5N	
	Blue	ZBA6N	
Projecting	Set of 6 colours*	ZBA9N	62
	White	ZBL1N	63
	Black	ZBL2N	
	Green	ZBL3N	
	Red	ZBL4N	
	Yellow	ZBL5N	
	Blue	ZBL6N	
	Set of 6 colors*	ZBL9N	

## 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	99
	I	White	Green	ZBA331N	99
	START	White	Green	ZBA333N	96
	ON	White	Green	ZBA341N**	139
	STOP	White	Red	ZBA434N	96
	UP	Black	White	ZBA343N	139
	DOWN	White	Black	ZBA344N	143
	OFF	White	Red	ZBA434N	96

\* 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"/>	96
Anti rotation plate,	Prevents head from rotation	ZB5AZ902N <input checked="" type="checkbox"/>	27
Fixing collar	To fix contacts or lights	ZB5AZ009N <input checked="" type="checkbox"/>	96
Fixing nut		ZB5AZ901N	27

## Contact blocks with screw clamp terminal connections

Description	Type of Contact	Reference	Unit LP [₹]
Standard single	1NO	ZBE101N <input checked="" type="checkbox"/>	80
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"/>	55
Boot for cylindrical projecting PB	ZBP0N	57
Boot for double illuminated PB and non-illuminated PB	ZBW008N	99

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

NORMAL STOCK ITEMS

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Light block with screw clamp terminal connections

Description	Supply Voltage	Colour of Light source	Reference	Unit LP 
Integral LED	~ 24V	White	ZBVB1N	257
		Green	ZBVB3N 	257
		Red	ZBVB4N	257
		Yellow	ZBVB5SN	257
		Amber	ZBVB8N	257
		Blue	ZBVB6N	680
	~ 110V	White	ZBVG1N	342
		Green	ZBVG3N	332
		Red	ZBVG4N	332
		Yellow	ZBVG5SN	867
		Amber	ZBVG8N	342
		Blue	ZBVG6N	706
	~ 220V	White	ZBVM1N	403
		Green	ZBVM3N 	266
		Red	ZBVM4N 	266
		Yellow	ZBVM5SN	266
		Amber	ZBVM8N	273
		Blue	ZBVM6N	686
Direct bulb holder without resistance	~ 130V	-	ZBV6N	162

### 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


Description	Reference	Unit LP 
Metal flush mounting kit (PB and PL).	ZB4BZ021	840
Metal flush mounting kit (SS and IPB).	ZB4BZ022	885
Plastic flush mounting kit (PB and PL).	ZB5AZ021	738
Plastic flush mounting kit (SS and IPB).	ZB5AZ022	745
Plastic flush mounting kit for legend 8x27 (PB and PL).	ZB5AZ023	840
Plastic flush mounting kit for legend 8x27 (SS and IPB).	ZB5AZ024	893
Plastic flush mounting kit for legend 18x27 (PB and PL).	ZB5AZ025	1155
Plastic flush mounting kit for legend 18x27 (SS and IPB).	ZB5AZ026	1208

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

 **NORMAL STOCK ITEMS**

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

Description	Colour	Reference	Unit LP 	
≈ 24V	White	ZALVB1	525	
	Green	ZALVB3	510	
	Red	ZALVB4		
	Yellow	ZALVB5		
	Blue	ZALVB6	573	
	~ 120V	White	ZALVG1	741
Green		ZALVG3	764	
Red		ZALVG4	597	
Yellow		ZALVG5	663	
Blue		ZALVG6		
White		ZALVM1		1649
~ 220V	Green	ZALVM3	920	
	Red	ZALVM4	778	
	Yellow	ZALVM5	728	
	Blue	ZALVM6	750	
	White	ZBVB1	455	
	≈ 24V	Green	ZBVB3	350
Red		ZBVB4		
Yellow		ZBVB5		
Blue		ZBVB6	443	
~ 120V		White	ZBVG1	1017
		Green	ZBVG3	464
	Red	ZBVG4	565	
	Yellow	ZBVG5	547	
	Blue	ZBVG6	1035	
	~ 220V	White	ZBVM1	1041
Green		ZBVM3	443	
Red		ZBVM4	450	
Yellow		ZBVM5		
Blue		ZBVM6		

## 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 	577
	2	Dark grey	XALD02 	713
	3	Dark grey	XALD03	869
	4	Dark grey	XALD04 	1187
	5	Dark grey	XALD05	1550
For normal environment Light Grey base IP54	1	Yellow	XALK01 	630
	1	Light Grey	XALE1	333
	2	Light Grey	XALE2	476
	3	Light Grey	XALE3	581

## 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 	304
Contact block	1 NC	ZENL1121 	

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

 NORMAL STOCK ITEMS

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## XVB-C Illuminated Lens Units

Description	Light Block Colour	Reference	Unit LP [R]
Lens unit - steady light - 250 V 10 W	Green	XVBC33	2198
	Red	XVBC34	2240
	Orange	XVBC35 [X]	
	Blue	XVBC36	2198
	Clear	XVBC37	2240
	Yellow	XVBC38	2198
Lens unit - flashing light - 24..48 V DC 24 V AC	Green	XVBC4B3	6256
	Red	XVBC4B4	6078
	Orange	XVBC4B5	
	Blue	XVBC4B6	6256
	Clear	XVBC4B7	
	Yellow	XVBC4B8	5970
Lens unit - flashing light - 48..230 V AC	Green	XVBC4M3	6103
	Red	XVBC4M4	6391
	Orange	XVBC4M5	6256
	Blue	XVBC4M6	6377
	Clear	XVBC4M7	6103
	Yellow	XVBC4M8	
Lens unit - steady light - 24 V AC DC	Green	XVBC2B3	4927
	Red	XVBC2B4	
	Orange	XVBC2B5	6357
	Blue	XVBC2B6	
	Clear	XVBC2B7	4833
	Yellow	XVBC2B8	4833
Lens unit - steady light - 120 V AC	Green	XVBC2G3	4833
	Red	XVBC2G4	4833
	Orange	XVBC2G5	5024
	Blue	XVBC2G6	6090
	Clear	XVBC2G7	
	Yellow	XVBC2G8	5049
Lens unit - steady light - 230 V AC	Green	XVBC2M3	4833
	Red	XVBC2M4	
	Orange	XVBC2M5	6703
	Blue	XVBC2M6	
	Clear	XVBC2M7	6290
	Yellow	XVBC2M8	5263
Lens unit - flashing light - 24 V AC DC	Green	XVBC5B3	8683
	Red	XVBC5B4	8419
	Orange	XVBC5B5	8505
	Blue	XVBC5B6	10613
	Clear	XVBC5B7	6988
	Yellow	XVBC5B8	8370
Lens unit - flashing light - 120 V AC	Green	XVBC5G3	8682
	Red	XVBC5G4	8672
	Orange	XVBC5G5	8516
	Blue	XVBC5G6	10571
	Clear	XVBC5G7	9927
	Yellow	XVBC5G8	8640
Lens unit - flashing light - 230 V AC	Red	XVBC5M4	8344
	Orange	XVBC5M5	8672
	Blue	XVBC5M6	10510
	Clear	XVBC5M7	9927
	Yellow	XVBC5M8	8672
	Flashing unit - integral LED - 230..240 V AC	Green	XVBC5M3

## XVB Units

Description	Reference	Unit LP [R]
XVB Audible Signalling Unit		
Sound unit - continuous or intermittent buzzer - 75..90 dB - 12..48 V AC DC	XVBC9B [X]	6870
Sound unit - continuous or intermittent buzzer - 75..90 dB - 120..230 V AC	XVBC9M	11547
XVB Base Unit + Cover		
Base unit + cover for bank XVB - without flash discharge tube - black - IP 65	XVBC21 [X]	3106
XVB Accessories		
Fixing base on vertical surface - zamak black - XVB	XVBC12	1882
Lateral cable entry kit with Pg 13.5 cable gland - XVB	XVBC14	410
Set of coloured indicator pins - 6 colors - XVB	XVBC22	340
Support tube + fixing base l=400 mm - aluminium black - XVB	XVBZ03	2586
Support tube + fixing base l=80 mm - aluminium black - XVB	XVBZ02	1954
Support tube + fixing base l=800 mm - aluminium black - XVB	XVBZ04	3850
XVB Incandescent Bulb		
Clear incandescent bulb for signalling - BA 15d - 24 V 10 W	DL1BLB	292
Clear incandescent bulb for signalling - BA 15d - 48 V 10 W	DL1BLE	309
Clear incandescent bulb for signalling - BA 15d - 120 V 10 W	DL1BLG	490
Clear incandescent bulb for signalling - BA 15d - 12 V 10 W	DL1BLJ	300
Clear incandescent bulb for signalling - BA 15d - 230 V 10 W	DL1BLM	318

## XVB LED BA 15d Base Fitting

[Us] Rated Supply Voltage	Signalling Colour	Reference	Unit LP [R]
24 V	White	DL1BDB1	3911
	Green	DL1BDB3	3129
	Red	DL1BDB4	
	Blue	DL1BDB6	3547
	Yellow-Orange	DL1BDB8	3676
	Blue	DL1BDG6	4711
120 V AC	Green	DL1BDG3	3734
	Red	DL1BDG4	3680
	White	DL1BDG1	4711
	Yellow-Orange	DL1BDG8	3904
	Blue	DL1BDM6	4711
	Green	DL1BDM3	4091
230 V AC	Red	DL1BDM4	3981
	White	DL1BDM1	4711
	Yellow-Orange	DL1BDM8	3764

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

[X] NORMAL STOCK ITEMS

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- 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	10475
Multi-functional LED Beacon red without buzzer DC/AC 12~24V	XVR3B04	10492
Multi-functional LED Beacon orange without buzzer DC/AC 12~24V	XVR3B05	10317
Multi-functional LED Beacon blue without buzzer DC/AC 12~24V	XVR3B06	10580
Multi-functional LED Beacon green without buzzer AC 100~230V	XVR3M03	10475
Multi-functional LED Beacon red without buzzer AC 100~230V	XVR3M04	10317
Multi-functional LED Beacon Orange without buzzer AC 100~230V	XVR3M05	10317
Multi-functional LED Beacon Blue without buzzer AC 100~230V	XVR3M06	10580
Multi-functional LED Beacon green with buzzer DC/AC 12~24V	XVR3B03S	22575
Multi-functional LED Beacon red with buzzer DC/AC 12~24V	XVR3B04S	21034
Multi-functional LED Beacon orange with buzzer DC/AC 12~24V	XVR3B05S	21653
Multi-functional LED Beacon blue with buzzer DC/AC 12~24V	XVR3B06S	22575
Multi-functional LED Beacon green with buzzer AC 100~230V	XVR3M03S	11408
Multi-functional LED Beacon red with buzzer AC 100~230V	XVR3M04S	9465
Multi-functional LED Beacon orange with buzzer AC 100~230V	XVR3M05S	10353
Multi-functional LED Beacon blue with buzzer AC 100~230V	XVR3M06S	11408
Multi-functional LED Beacon green without buzzer DC48V	XVR3E03	10580
Multi-functional LED Beacon red without buzzer DC48V	XVR3E04	10317
Multi-functional LED Beacon orange without buzzer DC48V	XVR3E05	10317
Multi-functional LED Beacon blue without buzzer DC48V	XVR3E06	10580
Multi-functional LED Beacon, External lens	XVR3Z001	286

## XVR Bulbs

Description	[Us] Rated Supply Voltage	Reference	Unit LP
BA 15d Base fitting			
Clear Halogen Bulb For Signalling - Ba 15D - 70 W	24 V AC/DC	DL1BRBH	2848

## Accessories and spare parts

Description	cap/ operator Or Lens Colour	Reference	Unit LP
Fixing base on vertical surface - black		XVR012	2230
Fixing base for support tube with tapping 1/2 " npt - black		XVR013	1285
Green domed lens - ø 165	green	XVR0153	4811
Red domed lens - ø 165	red	XVR0154	4811
Orange domed lens - ø 165	orange	XVR0155	4811
Blue domed lens - ø 165	blue	XVR0156	4811
Yellow domed lens - ø 165	yellow	XVR0158	4811
Protective grid for lens unit		XVR016	2162

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

## XVS Sirens


Description	Reference	Unit LP
2 Tones siren - 106 dB - 12...24V AC/DC - White	XVS10BMW	19380
2 Tones siren - 106 dB - 120V AC - White	XVS10GMW	
2 Tones siren - 106 dB - 230V AC - White	XVS10MMW	

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


NORMAL STOCK ITEMS

W.E.F. December 29, 2016

## DL1 Incandescent Bulb

Description	Light Block Colour	Reference	Unit LP 
Clear incandescent bulb for signalling - ba 15d - 24 v 4 w		DL1BEBS	277
Clear incandescent bulb for signalling - ba 15d - 120 v 7 w		DL1BEG	293
Clear incandescent bulb for signalling - ba 15d - 230 v 5 w		DL1BEMS	301

## XVR Rotating Mirror Beacon

Description	Light Block Colour	Reference	Unit LP 
Rotating mirror beacon - 70W - 24V AC DC	Green	XVR1B93	14109
	Red	XVR1B94	15601
	Orange	XVR1B95	14055
	Blue	XVR1B96	14109
	Yellow	XVR1B98	14055
Rotating mirror beacon w/o buzzer XVR - Ø 84 - 24 V AC DC	Green	XVR08B03	11161
Rotating mirror beacon w/o buzzer XVR - Ø 106 - 24 V AC DC	Green	XVR10B03	11161
Rotating mirror beacon with buzzer XVR - Ø 120 - 24 V AC DC	Green	XVR12B03	14225
Rotating mirror beacon w/o buzzer XVR - Ø 130 - 24 V AC DC	Red	XVR13B04L	11491
	Orange	XVR13B05L	11162
Rotating mirror beacon w/o buzzer XVR - Ø 84 - 24 V AC DC	Blue	XVR08B06	12172
Rotating mirror beacon w/o buzzer XVR - Ø 106 - 24 V AC DC	Blue	XVR10B06	12172
Rotating mirror beacon w/o buzzer XVR - Ø 120 - 24 V AC DC	Blue	XVR12B06	14338
Rotating mirror beacon w/o buzzer XVR - Ø 130 - 120 V AC	Red	XVR13G04L	13579
	Orange	XVR13G05L	12172
Rotating mirror beacon w/o buzzer XVR - Ø 130 - 230 V AC	Red	XVR13M04L	14452
	Orange	XVR13M05L	13710

## 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	3148
	XVMB2RASB	3098
	XVMB2RGSB	4601
	XVMB2RAGSB	6109
	XVMB2R6AGSB	6681
Complete Tower 24 V AC/DC With Buzzer	XVMB2RSSB	3545
	XVMB2RASSB	4947
	XVMB2RGSSB	5215
	XVMB2RAGSSB	7892
	XVMB2R6AGSSB	10576
Complete Tower 120 V AC Without Buzzer	XVMG2RSB	4242
	XVMG2RASB	4599
	XVMG2RGSB	4455
	XVMG2RAGSB	5508
	XVMG2R6AGSB	8106
Complete Tower 120 V AC With Buzzer	XVMG2RSSB	4519
	XVMG2RASSB	5843
	XVMG2RGSSB	5794
	XVMG2RAGSSB	7120
	XVMG2R6AGSSB	9695
Complete Tower 230 V AC Without Buzzer	XVMM2RSB	3966
	XVMM2RASB	4284
	XVMM2RGSB	4491
	XVMM2RAGSB	7297
	XVMM2R6AGSB	8664
Complete Tower 230 V AC With Buzzer	XVMM2RSSB	6344
	XVMM2RASSB	6143
	XVMM2RGSSB	6379
	XVMM2RAGSSB	7617
	XVMM2R6AGSSB	10044

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

 **NORMAL STOCK ITEMS**

W.E.F. December 29, 2016

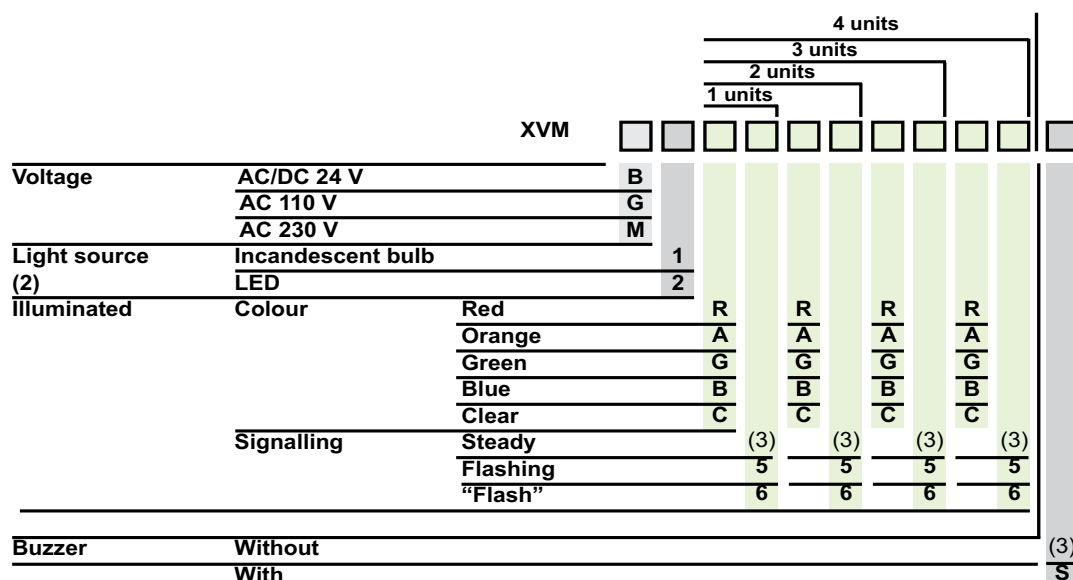
## XVM Series

Description	Reference	Unit LP
Base and Cover	XVMC21	655
Tube and Base	XVMC213T	1250
Base with Buzzer 24V	XVMC29B	1881
Tube and Base with Buzzer 24V	XVMC29B3T	2617
Tube and Base with Buzzer 120V	XVMC29G3T	2682
Base with Buzzer 230V	XVMC29M	1960
Green Lens	XVMC33	727
Red Lens	XVMC34	
Yellow Lens	XVMC35	
Blue Lens	XVMC36	
Clear Lens	XVMC37	
100mm Aluminium Tube with Stand	XVMZ02	602
100mm Aluminium Tube with Bracket	XVMZ02T	731
250mm Aluminium Tube with Stand	XVMZ03	865
250mm Aluminium Tube with Bracket	XVMZ03T	897
400mm Aluminium Tube with Stand	XVMZ04	1211
Cover for Replacement	XVMZ081	173
Tool for Bulb	ZBZX13	178
Incandescent Bulb 24 V	DL1EDBS	201
Incandescent Bulbs 120 V	DL1EDGS	203
Incandescent Bulbs 230 V	DL1EDMS	
White Led Bulb 24 V	DL2EDB1SB	975
Green Led Bulb 24 V	DL2EDB3SB	
Red Led Bulb 24 V	DL2EDB4SB	
Blue Led Bulb 24 V	DL2EDB6SB	1147
Orange Led Bulb 24 V	DL2EDB8SB	955

## XVM Series

Description	Reference	Unit LP
White Led Bulb 120 V	DL2EDG1SB	1232
Green Led Bulb 120 V	DL2EDG3SB	1155
Red Led Bulb 120 V	DL2EDG4SB	1122
Blue Led Bulb 120 V	DL2EDG6SB	
Orange Led Bulb 120 V	DL2EDG8SB	1155
White Led Bulb 230 V	DL2EDM1SB	1168
Green Led Bulb 230 V	DL2EDM3SB	1102
Red Led Bulb 230 V	DL2EDM4SB	1146
Blue Led Bulb 230 V	DL2EDM6SB	1203
Orange Led Bulb 230 V	DL2EDM8SB	1146
White Flashing Led Bulb 24 V	DL2EKB1SB	1294
Green Flashing Led Bulb 24 V	DL2EKB3SB	1359
Red Flashing Led Bulb 24 V	DL2EKB4SB	1295
Blue Flashing Led Bulb 24 V	DL2EKB6SB	1359
Orange Flashing Led Bulb 24 V	DL2EKB8SB	1295
White Flashing Led Bulb 120 V	DL2EKG1SB	1486
Green Flashing Led Bulb 120 V	DL2EKG3SB	1561
Red Flashing Led Bulb 120 V	DL2EKG4SB	1516
Blue Flashing Led Bulb 120 V	DL2EKG6SB	1486
Orange Flashing Led Bulb 120 V	DL2EKG8SB	1561
White Flashing Led Bulb 230 V	DL2EKM1SB	1611
Green Flashing Led Bulb 230 V	DL2EKM3SB	
Red Flashing Led Bulb 230 V	DL2EKM4SB	1633
Blue Flashing Led Bulb 230 V	DL2EKM6SB	1611
Orange Flashing Led Bulb 230 V	DL2EKM8SB	
Strobe Bulb 24V	DL6BB	2732
Strobe Bulb 120V	DL6BG	2672
Strobe Bulb 230 V	DL6BM	

### 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.

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

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

Description	References	Unit LP 
With aluminium tube mounting and L-bracket		
Without Buzzer		
2-Stage Red, Green	XVGB2	2820
3-Stage Red, Amber, Green	XVGB3	3194
4-Stage Red, Amber, Green, Blue	XVGB4	3846
With Buzzer		
2-Stage Red, Green	XVGB2S	3201
3-Stage Red, Amber, Green	XVGB3S	3631
4-Stage Red, Amber, Green, Blue	XVGB4S	3865
With direct aluminium tube mounting		
Without Buzzer		
2-Stage Red, Green	XVGB2T	2905
3-Stage Red, Amber, Green	XVGB3T	3532
4-Stage Red, Amber, Green, Blue	XVGB4T	4281
With Buzzer		
2-Stage Red, Green	XVGB2ST	3558
3-Stage Red, Amber, Green	XVGB3ST	3656
4-Stage Red, Amber, Green, Blue	XVGB4ST	4664
With aluminium tube mounting and fixing plate		
Without Buzzer		
2-Stage Red, Green	XVGB2H	2820
3-Stage Red, Amber, Green	XVGB3H	3227
4-Stage Red, Amber, Green, Blue	XVGB4H	4233
With Buzzer		
2-Stage Red, Green	XVGB2SH	3446
3-Stage Red, Amber, Green	XVGB3SH	3716
4-Stage Red, Amber, Green, Blue	XVGB4SH	4630
With aluminium tube mounting and foldable bracket		
Without Buzzer		
2-Stage Red, Green	XVGB2M	3232
3-Stage Red, Amber, Green	XVGB3M	3533
4-Stage Red, Amber, Green, Blue	XVGB4M	4264
With Buzzer		
2-Stage Red, Green	XVGB2SM	3505
3-Stage Red, Amber, Green	XVGB3SM	3836
4-Stage Red, Amber, Green, Blue	XVGB4SM	3868
With base mounting - Direct		
Without Buzzer		
2-Stage Red, Green	XVGB2W	2649
3-Stage Red, Amber, Green	XVGB3W	3117
4-Stage Red, Amber, Green, Blue	XVGB4W	4089
With Buzzer		
2-Stage Red, Green	XVGB2SW	3101
3-Stage Red, Amber, Green	XVGB3SW	3507
4-Stage Red, Amber, Green, Blue	XVGB4SW	4190
XVG-USB Based Towerlights 		
Pre-assembled and pre-cabled Multicolor USB tower light 60mm IP42 Direct base mounting	XVGU3SWV	6876
Pre-assembled and pre-cabled Multicolor USB tower light 60mm IP42 With 100 mm aluminium tube mounting	XVGU3SHAV	7793

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

 **NORMAL STOCK ITEMS**

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- 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

Description	References	Unit LP
ZART8L + ZARB12W	XARS8L12W	117238
ZART8L + ZARB12H	ZART8L + ZARB12H	123522
ZART8D + ZARB18W	XARS8D18W	131646
ZART8D + ZARB18H	XARS8D18H	133846
ZART12D + ZARB18W	XARS12D18W	128281
ZART12D + ZARB18H	XARS12D18H	130980
Starter kit = XARS8L12W + ZARC01 + ZARC02	XARSK8L12W	144617
Starter kit = XARS8L12H + ZARC01 + ZARC02	XARSK8L12H	148006
Starter kit = XARS8D18W + ZARC01 + ZARC02	XARSK8D18W	155931
Starter kit = XARS8D18H + ZARC01 + ZARC02	XARSK8D18H	158077
Starter kit = XARS12D18W + ZARC01 + ZARC02	XARSK12D18W	155659
Starter kit = XARS12D18H + ZARC01 + ZARC02	XARSK12D18H	153947
Basic features – 8 pushbuttons - LEDs	ZART8L	54764
Basic features – 8 pushbuttons - Display	ZART8D	63035
Extended features – 12 pushbuttons	ZART12D	63433
12 outputs wired connection – cable gland	ZARB12W	59963
12 outputs – industrial plug connection	ZARB12H	64298
18 outputs wired connection – cable gland	ZARB18W	67288
18 outputs – industrial plug connection	ZARB18H	69487
Charger	ZARC01	6618
Shoulder belt	ZARC02	6803
External antenna	ZARC03	18761
Holder	ZARC04	2642
Connector plug female with cable 1.5m	ZARC05	21327
Cable gland kit with wire grommets	ZARC06	269
Kit of adhesive labels in B/W for remote device	ZARC07	1217
Kit of adhesive labels in colour for remote device and crane equipment	ZARC08	4994
Kit silent block for ZARB base station	ZARC09	15030
Connector plug female with cable 3m	ZARC12	36787
Connector plug female with cable 5m	ZARC18	54997

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










NORMAL STOCK ITEMS

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## XAC-A Type

For Control Circuits

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

Control station composition	Mechanical interlocking	Contact composition	Reference	Unit LP 
For Single Hoist Motors				
2 pushbuttons	With mechanical interlocking	1 NO	XACA201	4212
		1 NC + 1 NO	XACA205	4440
2 booted pushbuttons	With mechanical interlocking	1 NO	XACA211	4253
		1 NC + 1 NO	XACA215	4848
For Single-Speed Motors				
2 pushbuttons	With mechanical interlocking	1 NO	XACA271 	4319
		1 NC + 1 NO	XACA281 	4864
4 pushbuttons	With mechanical interlocking Between pairs	1 NO	XACA471 	5508
		1 NC + 1 NO	XACA481 	6252
6 pushbuttons	With mechanical interlocking Between pairs	1 NO	XACA671 	6437
		1 NC + 1 NO	XACA681 	7946
8 pushbuttons	With mechanical interlocking Between pairs	1 NO (for 7 operators)	XACA871 	7538
		1 NO (for 8 operators)		
		1 NC + 1 NO	XACA881 	9430

## Joystick Controllers

Description	Legend plate without text	Legend plate Price	Reference	Unit LP 
XD2-P (One Step in Each Position) Dia. 22mm				
2-Direction Stay-Put	ZD2-GY2201	103	XD2PA12	4364
2-Direction Spring Return to Zero			XD2PA22 	4244
4-Direction Stay-Put	ZD2-GY4201	123	XD2PA14	5242
4-Direction Spring Return to Zero			XD2PA24 	5325
XD2-G (Two steps in each position) Dia. 22mm				
2 - Direction (2 notches with spring return to zero)	ZD2-GY5201	139	XD2GA8241	10176
2-Direction (1st notch stay-put, 2nd notch spring return to 1st)			XD2GA8251	9975
4-Direction spring (2 notches with spring return to zero)	ZD2-GY6201	146	XD2GA8441	13424
4-Direction (1st notch stay-put, 2nd notch spring return to 1st)			XD2GA8451	14396

## Foot Switch

contacts Type and Composition	Reference	Unit LP 
Insulated Enclosure 1 NC + 1 NO	XPEA110 	4267

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

 NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# Telemecanique Sensors

Simply easy!™



## Wireless Limit Switch Solution



Wireless Limit Switch Solution (XCKW) suitable for applications where it is difficult to install and to mount cables.

## Improved Basic XS Inductive Sensor



Improved Inductive sensor range XS\_BL with

- >> EMC Immunity
- >> Better appearance with new cable connection design
- >> Better water-proofness
- >> Internal LED
- >> Laser tagging

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

NORMAL STOCK ITEMS

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Optical Sensors

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

Principle of operation	Sensing Distance	Output	Reference	Unit LP [R]
Diffuse	0.6 m	PNP NO	XUB5APANM12 [R]	2710
		PNP NO	XUB5BPANM12 (Metal) [R]	3630
		PNP NO	XUB5APANL2 [R]	2710
		PNP NO	XUB5BPANL2 [R]	3630
Polarised reflex	2m	PNP NO	XUB9APANM12 [R]	2880
		PNP NO	XUB9BPANM12	3570
		PNP NO	XUB9APANL2	3040
Fixed Diffuse	100 mm	PNP NO	XUB4APANL2	2640
			XUB4APANM12 [R]	3280
		NPN NC	XUB4ANBNL2	2640
Reflex	4 m	PNP NO	XUB1APANL2 (Without Reflector)*	2640
			XUB1APANM12	3280
		PNP NC	XUB1BPANM12 (Metal)	3280
			XUB1APBNL2 (Without Reflector)*	2640
Receiver Thru Beam	15 m	PNP NO	XUB2APANL2R	2330
XUB2AKSNL2T			1590	
XUB2AKSNM12T		2030		
Receiver Thru Beam	15m	PNP NO	XUB2BPSNM12R (Metal)	2330
Receiver Thru Beam			XUB2BPANM12R (Metal)	3140
Transmitter Thru Beam			XUB2AKSNL2T	1590

Note :

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

Principle of operation	Sensing range	Connection	Reference	Unit LP [R]
Cylindrical M18				
Multi Mode	> 0...20 m	Cable 2 m	XUB0APSNL2	5180
Multi Mode	> 0...20 m	Connector	XUB0APSNM12	5330
Multi Mode	> 0...20 m	Connector	XUB0BPSNM12 (Metal)	5430

Principle of operation	Sensing Distance	Output	Reference	Unit LP [ ]
COMPACT 50 x 50 mm				
Reflex	7 m	AC/DC 1C/O Relay	XUK1ARCNL2	5090
Diffuse	1 m	AC/DC 1C/O Relay	XUK5ARCNL2	
Reflex polarized	5 m	AC/DC 1C/O Relay	XUK9ARCNL2	5570
Multimode	30 m	pnp/npn no/nc	X+⊕⊖OAKSAL2	6830
Multimode	30 m	AC/DC 1C/O Relay	X+⊕⊖OARCTL2	7840
Compact 92 x 71 mm				
Diffuse	2.1 m	AC/DC 1C/O relay	XUX5ARCNT16	6790
Reflex Polarized	11 m	AC/DC 1C/O relay	XUX9ARCNT16	6910
Reflex	14 m	AC/DC 1C/O relay	XUX1ARCNT16	6200
Thru beam transmitter		AC/DC	XUX0ARCTT16T	6030
Multimode	1.3 m...40 m	PNP/NPN NO/NC	XUX0AKSAT16	10310
*Multimode	1.3 m...40 m	AC/DC 1C/O relay	XUX0ARCTT [R]	10840

\*Reflector to be ordered separately.

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

[R] NORMAL STOCK ITEMS

W.E.F. December 29, 2016



Principle of operation	Sensing range	Connection	Reference	Unit MRP
XUM – Miniature Single Mode • Material: Plastic • Wiring technique: 3 wire • Output Type: PNP • 1No or 1NC Programmable • Supply Circuit Type: DC • Degree of protection - IP67				
Polarised Reflex	> 1...5 m	Cable 2 m	XUM9APCNL2 <input checked="" type="checkbox"/>	2670
Polarised Reflex	> 1...5 m	Connector	XUM9APCNM8 <input checked="" type="checkbox"/>	2670
Diffuse	> 0.3...1 m	Cable 2 m	XUM5APCNL2 <input checked="" type="checkbox"/>	2520
Diffuse	> 0.3...1 m	Connector	XUM5APCNM8	2570
Thru beam - Transmitter	15M	Cable	XUM2AKCNL2T <input checked="" type="checkbox"/>	2240
XUM – Miniature Multi Mode • Material: Plastic • Wiring technique: 3 wire • OutPut Type: PNP • 1No or 1NC Programmable • Supply Circuit Type: DC • Degree of protection - IP67				
Multi Mode	> 0...10 m	Cable 2 m	XUM0APSAL2	5600

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	11560

Fixing Bracket

Description	Reference	Unit MRP
For XUB	XUZA118	670
For XUK	XUZA51	550

Reflector (mm)

Description	Reference	Unit MRP
24 x 21	XUZC24	860
50 x 50	XUZC50 <input checked="" type="checkbox"/>	880
80 (dia)	XUZC80 <input checked="" type="checkbox"/>	1170
100 x 100	XUZC100 <input checked="" type="checkbox"/>	1260

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

OsiSense XU



SN [mm]	Light Mode	Output	Connection	Reference	Unit MRP
Fork Sensor					
30mm	Red LED	PNP,[NO]	2m Cable	XUVR0303PANL2	5160
50mm	Red LED	PNP,[NO]	M8 Connector	XUVR0605PANM8	6300

Fiber Design Amplifier

- 3 Wire DC, Teach Mode



Depending on fiber	-	PNP NO/NC programmable	2M Cable	XUDA2PSML2	10190
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XU.8 Background Suppresion

SN [m]	Body Type	Output	Connection	Reference	Unit MRP
1m	Compact 50x50	PNP/NPN,NO/NC programmable	2m Cable	XUK8AKSNL2	6350
1m	Compact 50x50	PNP/NPN,NO/NC programmable	M12 Connector	XUK8AKSNM12	
0.3m	Miniature	PNP NO/NC programmable	2m Cable	XUM8APCNL2	3830

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

Electromechanical Pressure Switches



Description	Pressure Range	Reference	Unit MRP
Electromechanical pressure switches for control circuit			
<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	2540
Adjustable range of rising pressure	1.3-12 bar	XMAV12L2135	2590
	3.5-25 bar	XMAV25L2135	3180
Electromechanical pressure switches for power circuits			
<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	1080
Electromechanical pressure switches (Nautilus)			
<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	8570
0.7 to 20 bar		XMLA020A2S11	6360
1.5 to 35 bar		XMLA035A2S11	
5 to 70 bar		XMLA070D2S11	7000
<b>Adjustable differential</b>			
0.25 to 4 bar		XMLB004A2S11	9270
1.3 to 20 bar		XMLB020A2S11	
3.5 to 35 bar		XMLB035A2S11	
7 to 70 bar		XMLB070D2S11	9930

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	6490
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	6810
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

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

NORMAL STOCK ITEMS

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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	1450
Cat's whisker - 1 NC + 1 NO		XCKD2106G11	1520
Steel end plunger - 1 NC + 1 NO		XCKD2110G11	1180
Thermoplastic roller lever - 1 NC + 1 NO		XCKD2118G11	1360
Thermoplastic roller lever plunger, horizontal direction - 1 NC + 1 NO		XCKD2121G11	1610
Thermoplastic adjustable roller lever - 1 NC + 1 NO		XCKD2145G11	1520
<b>Sub-assemblies Metal Bodies for XCKD</b>			
Body ZCD 1 NC + 1 NO Snap Action	2	ZCD21	1780
Body ZCD 2 NC + 1 NO Snap Action	3	ZCD39	2110
<b>Gland and Head for ZCD Bodies</b>			
Cable gland entry Pg 11 - metal body		ZCDEG11	150
Head for Limit switch - ZCE without operating lever		ZCE01	480
Steel roller plunger		ZCE02	670
Cat's whisker		ZCE06	810
Steel end plunger		ZCE10	370
Thermoplastic roller lever plunger, horizontal direction		ZCE21	730
Thermoplastic roller lever ZCY		ZCY18*	140
Steel roller lever ZCY		ZCY19*	430
Variable length thermoplastic roller lever		ZCY45*	420
*To be used with head ZCE01			
<b>Contact block for ZCD bodies</b>			
1NO + 1NC	2	XE2SP2151	570
1NO + 2NC	3	XE3SP2141	1300

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	1280
Spare contacts	XE2SP2151	570
For ordering complete limit switches, please select body and head listed above		
<b>Head</b>		
Head - steel roller plunger	ZCKD02	700
Head - cat's whisker	ZCKD06	710
Head - spring rod lever	ZCKD08	700
Head - steel end plunger	ZCKD10	380
Delrin roller lever head	ZCKD15	850
Delrin roller lever plunger head	ZCKD21	700
Steel roller lever plunger head	ZCKD23	910
Variable length Delrin roller lever	ZCKD41	730

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

**NORMAL STOCK ITEMS**

W.E.F. December 29, 2016

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"/>	1120
Cat's whisker - 1 NC + 1 NO	XCKP2106G11 <input checked="" type="checkbox"/>	1180
Steel end plunger - 1 NC + 1 NO	XCKP2110G11 <input checked="" type="checkbox"/>	840
Delrin roller lever <sup>(1)</sup>	XCKP2118G11 <input checked="" type="checkbox"/>	1000
Delrin roller lever plunger, horizontal direction - 1 NC + 1 NO	XCKP2121G11 <input checked="" type="checkbox"/>	1180
Delrin roller lever plunger, vertical direction - 1 NC + 1 NO	XCKP2127G11 <input checked="" type="checkbox"/>	1240
Adjustable roller lever - 1 NC + 1 NO (1) (Variable Length)	XCKP2145G11 <input checked="" type="checkbox"/>	1120
Spare contact block	XE2SP2151 <input checked="" type="checkbox"/>	570

**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"/>	2490
Metal end plunger	XCMD2110L1 <input checked="" type="checkbox"/>	2160
Thermoplastic roller lever	XCMD2115L1 <input checked="" type="checkbox"/>	2300

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"/>	1440
Head - cat's whisker	ZCKE06 <input checked="" type="checkbox"/>	1450
Head - spring rod lever	ZCKE08 <input checked="" type="checkbox"/>	1450
Head - steel roller lever	ZCKE23	2340
Head - metal end plunger	ZCKE61	1140
Head - reinforced end plunger	ZCKE67 <input checked="" type="checkbox"/>	1820
Body - 1 NC + 1 NO - terminals	ZCKJ1 <input checked="" type="checkbox"/>	1700
Body - 2 OC - terminals 2 NO + 2 NC	ZCKJ2 <input checked="" type="checkbox"/>	2890
Steel roller lever	ZCKY13 <input checked="" type="checkbox"/>	380
Delrin roller lever Ø 50 mm	ZCKY41 <input checked="" type="checkbox"/>	500
Nylon round rod Ø 6 mm	ZCKY59 <input checked="" type="checkbox"/>	310
spare contacts	XE2SP2151 <input checked="" type="checkbox"/>	570

**Note:**

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

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

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"/>	780
Steel roller plunger	For transverse cam movement	XCJ103 <input checked="" type="checkbox"/>	780
Steel end plunger	Vertical cam approach	XCJ110 <input checked="" type="checkbox"/>	700
Short flat roller lever plunger	One way operation	XCJ121	650
Short flat lever plunger		XCJ125	510
Long flat lever plunger		XCJ126 <input checked="" type="checkbox"/>	580
short roller lever plunger - flat		XCJ127 <input checked="" type="checkbox"/>	580
Long roller lever plunger - flat		XCJ128 <input checked="" type="checkbox"/>	610

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"/>	1140
Steel end plunger	XCE110 <input checked="" type="checkbox"/>	1060
Thermoplastic roller lever	XCE118 <input checked="" type="checkbox"/>	1170
Variable length thermoplastic roller lever	XCE145 <input checked="" type="checkbox"/>	1290
Round rod Ø3 mm steel rod	XCE154	1260
Spring rod lever	XCE181	1250

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"/>	780
Cat's whisker - 1 NC + 1 NO	Multi-directional approach	XCKN2106G11 <input checked="" type="checkbox"/>	820
Spring lever - 1 NC + 1 NO	Multi-directional approach	XCKN2108G11 <input checked="" type="checkbox"/>	920
Steel end plunger - 1 NC + 1 NO	Vertical approach 1 direction	XCKN2110G11 <input checked="" type="checkbox"/>	570
Thermoplastic roller lever - 1 NC + 1 NO	Lateral approach 2 directions	XCKN2118G11 <input checked="" type="checkbox"/>	650
Thermoplastic roller lever plunger, horizontal direction - 1 NC + 1 NO	Lateral approach 1 direction	XCKN2121G11 <input checked="" type="checkbox"/>	820
Variable length adjustable roller lever - 1 NC + 1 NO	Lateral approach 2 directions	XCKN2145G11 <input checked="" type="checkbox"/>	780
Variable length adjustable Thermoplastic roller lever Ø 50 mm - 1 NC + 1 NO	Lateral approach 2 directions	XCKN2149G11 <input checked="" type="checkbox"/>	880

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

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 LP
Steel roller plunger for lateral cam approach	XCMN2102L1 <input checked="" type="checkbox"/>	1590
Cat's whisker - 1 NC + 1 NO	XCMN2106L1	1680
Steel end plunger	XCMN2110L1	1290
Thermoplastic roller lever - 1 NC + 1 NO	XCMN2115L1	1430
roller lever plunger - 1 NC + 1 NO - one direction actuation	XCMN2121L1	1680
Thermoplastic adjustable roller lever - 1 NC + 1 NO	XCMN2145L1	1620

XCKMR (Metal) Limit Switches



For Hoisting & material handling Application  
 3 Cable Entry

Type of Operator	Contact Type	Cable Entry	Reference	Unit LP
With Cruciform metal rod	2x2 pole NC + NC Staggered	M20 x 1.5	XCKMR54D1H29 <input checked="" type="checkbox"/>	9250
With Cruciform metal rod	2x2 pole NC + NC Staggered	PG 13 Cable Gland	XCKMR54D1 <input checked="" type="checkbox"/>	9390

XCKVR (Plastic) Limit Switch



Type of Operator	Contact Type	Cable Entry	Reference	Unit LP
With cruciform metal rod	2x2 pole NC+NC staggered	M20x1.5	XCKVR54D1H29 <input checked="" type="checkbox"/>	4220

Conveyor Belt Shift Monitoring Switches



Type of Operator	tripping Angle	Reference	Unit LP
Spring return roller zinc plated steel with lever for corrosive atmosphere	10° fault signalling 18° stopping of the conveyor belt	XCRT115	13210
Spring return roller stainless steel with lever	10° fault signalling 18° stopping of the conveyor belt	XCRT215	18650
Spring Return steel roller lever	23° Stopping of the Conveyor Belt (1 C/O)	XCKJ105217H29	3430

**Note:**

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

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016



XCKM.LC Metal



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

Operation type	Connection	Reference	Unit LP
Metal end plunger	Pg11	XCKM110LC <input checked="" type="checkbox"/>	690
Metal end plunger	M20	XCKM110H29LC	670
Steel roller plunger	PG11	XCKM102LC <input checked="" type="checkbox"/>	690
Steel roller plunger	M20	XCKM102H29LC	820
Steel roller lever	Pg11	XCKM116LC <input checked="" type="checkbox"/>	720
Steel roller lever	M20	XCKM116H29LC	740
Steel roller lever Horizontal actuation	Pg11	XCKM2023LC <input checked="" type="checkbox"/>	720
Steel roller lever Horizontal actuation	M20	XCKM2023H29LC	730

XCKJ.LC



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

Operation Type	Connection	Reference	Unit LP
Metal end plunger	M20	XCKJ161H29LC <input checked="" type="checkbox"/>	1300
Metal end plunger	Pg 13.5	XCKJ161LC <input checked="" type="checkbox"/>	990
Steel roller plunger	M20	XCKJ167H29LC <input checked="" type="checkbox"/>	1020
Steel roller plunger	Pg 13.5	XCKJ167LC <input checked="" type="checkbox"/>	1060
Thermoplastic roller lever	M20	XCKJ10511H29LC	1040
Thermoplastic roller lever	Pg13.5	XCKJ10511LC	1090
Steel roller lever	M20	XCKJ10513H29LC <input checked="" type="checkbox"/>	1090
Steel roller lever	Pg13.5	XCKJ10513LC <input checked="" type="checkbox"/>	1020
Var.length Thermoplastic roller lever	M20	XCKJ10541H29LC	1020
Var.length Thermoplastic roller lever	Pg13.5	XCKJ10541LC	1150
Polyamide 6 mm rod lever	M20	XCKJ10559H29LC	1040
Polyamide 6 mm rod lever	Pg.13.5	XCKJ10559LC <input checked="" type="checkbox"/>	
Var.length Steel roller lever	M20	XCKJ10543H29LC <input checked="" type="checkbox"/>	
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 LP
Steel roller plunger - 1 NC + 1 NO	XCKT2102G11	1410
Steel end plunger - 1 NC + 1 NO	XCKT2110G11	1110
Delrin - roller lever plunger, horizontal direction - 1 NC + 1 NO	XCKT2121G11	1410

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

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

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	2350
2 Pole NC + NO - Break Before Make, Slow Break	Pg 11	XCSPA591	1790
2 Pole NC + NO - Break Before Make, Slow Break	½" NTP	XCSPA592 <input checked="" type="checkbox"/>	1750
2 Pole NC + NC - Slow Break	Pg 11	XCSPA791	
2 Pole NC + NC - Slow Break	½" NTP	XCSPA792	2180
3 Pole NC+ NO + NO - Slow Break (2NO Staggered)	Pg11	XCSTA591 <input checked="" type="checkbox"/>	

XCS LE /LF Safety Solenoid Interlock



Body Type	Contacts	Voltage	Locking	Reference	Unit MRP
Metal	NO + NC	24V AC/DC	On de-energisation	XCSLF2525312	12850
Plastic	NO + NC	24V AC/DC	On de-energisation	XCSLE2525312 <input checked="" type="checkbox"/>	10710
Plastic	NC + NC + NO	24V AC/DC	On de-energisation	XCSLE3737312	12960

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"/>	3720
2-pole 1 NO + 1 NO (staggered)	Compact 51 x 16 x 7	2m Cable	XCSDMC7902	3790
2-pole 1 NC + 1 NO (staggered)	Standard 88 x 25 x 13	2m Cable	XCSDMP5902	3230
2-pole 1 NO + 1 NO (staggered)	Standard 88 x 25 x 13	2m Cable	XCSDMP7902	3300
3-pole 1 NC + 1 NO + 1 NO (staggered)	Standard 88 x 25 x 13	M12 Connector	XCSDMP700L01M12	4780
3-pole 1 NC + 1 NO + 1 NO (staggered)	Standard 88 x 25 x 13	M12 Connector	XCSDMP701L01M12	5050
2-pole 1 NC + 1 NO (staggered)	Cylindrical D=30, L= 38.5	M12 Connector	XCSDMR590L01M12	4570

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


NORMAL STOCK ITEMS

W.E.F. December 29, 2016

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


[Sn] nominal sensing distance	Sensor design	Discrete output function	Discrete Output type	Reference	Unit MRP 
Three Wire Metal 12-24V DC, Flush Mountable - Threaded					
1.5mm	M8	1 NC	PNP	XS108BLPBL2	1070
			NPN	XS108BLNAL2	1170
		1 NO	PNP	XS108BLPAL2 	1020
				XS108BLPAM12 	1160
				XS108BLPAM8	1050
Three Wire Metal 12-24V DC, Non Flush Mountable - Threaded					
2.5mm	M8	1 NO	NPN	XS208BLNAL2 	1220
			PNP	XS208BLPAL2 	1190
				XS208BLPAM12	1200
Three Wire Metal 12-24V DC, Flush Mountable - Threaded					
2mm	M12	1NC	PNP	XS112BLPBL2 	1110
			NPN	XS112BLNAL2 	940
		1 NO	PNP	XS112BLNAM12	1120
				XS112BLPAL2 	920
				XS112BLPAM12 	920

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

 NORMAL STOCK ITEMS

W.E.F. December 29, 2016

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 LP 
Two Wire - 12-240V AC Metal, Flush Mountable - Threaded					
2 mm	M12	1 NO		XS112BLFAL2	1510
Three Wire Metal 12-24V DC, Non Flush Mountable - Threaded					
4 mm	M12	1 NC	NPN	XS212BLNBL2 <input checked="" type="checkbox"/>	1170
			PNP	XS212BLPBL2 <input checked="" type="checkbox"/>	1140
			NPN	XS212BLNAL2	940
		1 NO	NPN	XS212BLNAM12	1300
			PNP	XS212BLPAL2 <input checked="" type="checkbox"/>	920
			PNP	XS212BLPAL5	1110
			PNP	XS212BLPAM12	940
Three Wire Metal 12-24V DC, Flush Mountable - Threaded					
5 mm	M18	1NC	PNP	XS118BLPBL2	1250
			NPN	XS118BLNAL2 <input checked="" type="checkbox"/>	940
		1 NO	NPN	XS118BLNAM12	1320
			NPN	XS118BLPAL2 <input checked="" type="checkbox"/>	940
			PNP	XS118BLPAL5	1170
			PNP	XS118BLPAM12 <input checked="" type="checkbox"/>	970
Three Wire Metal 12-24V DC, Non Flush Mountable - Threaded					
8 mm	M18	1 NO	NPN	XS218BLNAL2 <input checked="" type="checkbox"/>	940
				XS218BLNAL5	1600
				XS218BLNAM12	1450
			PNP	XS218BLPAL2 <input checked="" type="checkbox"/>	920
				XS218BLPAL5	1110
				XS218BLPAM12 <input checked="" type="checkbox"/>	940

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

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 LP 
Three Wire Metal 12-24V DC, Flush Mountable - Threaded					
10mm	M30	1NC	PNP	XS130BLPBL2	1690
			NPN	XS130BLNAL2 <input checked="" type="checkbox"/>	1640
		1 NO	PNP	XS130BLPAL2 <input checked="" type="checkbox"/>	1040
				XS130BLPAM12	1680
Three Wire Metal 12-24V DC, Non Flush Mountable - Threaded					
15mm	M30	1NC	PNP	XS230BLPBL2	1070
			NPN	XS230BLNAL2	1670
		1 NO	PNP	XS230BLPAL2 <input checked="" type="checkbox"/>	1020
				XS230BLPAL5	1230
			XS230BLPAM12	1690	

**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.

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

Extended Sensing Range

[Sn] Nominal sensing distance	Sensor design	Discrete Output function	Discrete Output type	Reference	Unit LP
Three Wire Metal 10-36V DC, Flush Mountable - Threaded					
2.5 mm (Length 51 mm)	M8	1 NO	PNP	XS608B1PAL2	3060
2.5 mm (Length 51 mm)	M8	1 NO	PNP	XS608B1PAM12	2880
4 mm (Length 53 mm)	M12	1 NO	PNP	XS612B1PAL2	2550
4 mm (Length 53 mm)	M12	1 NO	PNP	XS612B1PAM12	2360
8 mm (Length 62 mm)	M18	1 NO	PNP	XS618B1PAL2	2800
8 mm (Length 62 mm)	M18	1 NO	PNP	XS618B1PAM12	2670
15 mm (Length 62 mm)	M30	1 NO	PNP	XS630B1PAL2	3340
15 mm (Length 62 mm)	M30	1 NO	PNP	XS630B1PAM12	3170
Three Wire Metal 12-24V DC, Flush Mountable - Threaded					
4 mm	M12	1 NO	PNP	XS112B3PAL2	1860
				XS112B3PAM12	1740
Three Wire Metal 12-24V DC, Flush Mountable - Threaded					
8 mm	M18	1 NO	PNP	XS118B3PAL2	2050
				XS118B3PAM12	1940
Three Wire Metal 12-24V DC, Flush Mountable - Threaded					
15 mm	M30	1 NO	PNP	XS130B3PAM12	2160

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 LP
4 mm	M12	NO	XS612B1MAL2	3840
8 mm	M18	NO	XS618B1MAL2	
15 mm	M30	NO	XS630B1MAL2	

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	8030
60 mm	80 x 80 x 26	AC/DC NO	XS8D1A1MAL2	10510

Speed Rotation Monitoring Proximity Switches

[Us] Rated Supply voltage	Switching capacity	Wiring technique	[Sn] Sensing distance	Operating zone	Adjustable Freq. Impulse/min	Reference	Unit LP
24...210 V DC	5...200 mA DC	2-wire AC/DC	10 mm	0...8 mm	6...150	XSAV11801	11140
24...240 V AC	5...350 mA AC				120...3000	XSAV12801	
50/60 Hz	≤ 200 mA overload and short-circuit protection	3-wire DC PNP	10 mm	0...8 mm	6...150	XSAV11373	10630
12...48 V DC					120...3000	XSAV12373	

Accessories

Description	sensor Design	Reference	Unit LP
Fixing for cylindrical sensor	m18	XSZB118	590

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

XS Flat Type [Inductive Sensors]

Rated Supply voltage-12...24V DC



Description	Output Function	Switching capacity in mA	[Sn] Sensing distance	Reference	Unit LP
Flat form 40x40x15	PNP [NO], 3-wire	<=100 mA	Flush-15mm	XS7C1A1PAL2	2810
Flat form 80x80x26	PNP [NO], 3-wire	<=100 mA	Flush-40mm	XS7D1A1PAL2	3900
Flat form 40x40x15	PNP [NO], 3-wire	<=200mA	Non-Flush-25mm	XS8C1A1PAL2	7300
Flat form 80x80x26	PNP [NO], 3-wire	<=200mA	Non-Flush-60mm	XS8D1A1PAL2	7500



XS Cubic C2 Form



XS Turret Form

Sensing range	Output	Connection	Reference	Unit LP
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XS Cubic C2 Form

15mm	1 NO	Terminal	XS7C2A1PAM12	2700
20mm	1 NO + 1NC	Terminal	XS8C2A1PCM12	3060
40mm	1 NO + 1NC	Terminal	XS8C2A4PCM12	3530

XS Turret Form

15 mm	1NO + 1 NC programmable	Terminals	XS7C4A1DPG13	4150
15 mm	1NO + 1 NC programmable	Terminals	XS7C4A1MPG13	4700
20mm	1NO+ 1NC	Terminals	XS8C4A1PCG13	4310
20mm	1NO+ 1NC	Terminals	XS8C4A1PCP20	5320
20mm	1NO + 1 NC programmable	Terminals	XS8C4A1DPG13	6870
20mm	1NO + 1 NC programmable	Terminals	XS8C4A1MPG13	5280
20mm	1NO + 1 NC programmable	Terminals	XS8C4A1MPP20	
20mm	1NO + 1 NC programmable	Terminals	XS8C4A1MPG13	

XT Capacitive sensor

Sensing range	Output	Connection	Reference	Unit LP
8mm	1 NO	2M Cable	XT218A1PAL2	2790
8mm	1NC + NO	M12 Connector	XT218A1PCM12	2770
15mm	1NO	2M Cable	XT230A1PAL2	3040
15mm	1NO + 1 NC	M12 connector	XT230A1PCM12	3130

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

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 LP
50 cm	M18	PNP NO	XX518A3PAM12	8910
1 m	M30	PNP NO	XX6V3A1PAM12 <input checked="" type="checkbox"/>	10790

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	25520
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OsiSense XX



Ultrasonic Sensor for monitoring 2 levels

Sensing Distance	Output	Connection	Reference	Unit LP
0.5m	PNP [NO]	M12	XX218A3PHM12	11360





Connector Type	Connection	Shape	Length	Reference	Unit LP
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	610
PUR Pre-wired connector	M8, 3 pins	Straight	5m	XZCP0566L5	870
PUR Pre-wired connector	M8, 3 pins	Elbowed	5m	XZCP0666L5	870
PUR Pre-wired connector	M8, 4 pins	Straight	2m	XZCP0941L2	700
PUR Pre-wired connector	M8, 4 pins	Straight	5m	XZCP0941L5	870
PUR Pre-wired connector	M8, 4 pins	Elbowed	2m	XZCP1041L2	700
PUR Pre-wired connector	M8, 4 pins	Elbowed	5m	XZCP1041L5	870
PUR Pre-wired connector	M12, 4 pins	Straight	2m	XZCP1141L2	640
PUR Pre-wired connector	M12, 4 pins	Straight	5m	XZCP1141L5	870
PUR Pre-wired connector	M12, 4 pins	Elbowed	2m	XZCP1241L2	690
PUR Pre-wired connector	M12, 4 pins	Elbowed	5m	XZCP1241L5	840
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	540
PVC Pre-wired connector	M8, 3 pins	Straight	5m	XZCPV0566L5	550
PVC Pre-wired connector	M8, 3 pins	Elbowed	5m	XZCPV0666L5	560
PVC Pre-wired connector	M8, 4 pins	Straight	2m	XZCPV0941L2	580
PVC Pre-wired connector	M8, 4 pins	Straight	5m	XZCPV0941L5	640
PVC Pre-wired connector	M8, 4 pins	Elbowed	2m	XZCPV1041L2	570
PVC Pre-wired connector	M8, 4 pins	Elbowed	5m	XZCPV1041L5	660
PVC Pre-wired connector	M12, 4 pins	Straight	2m	XZCPV1141L2	450
PVC Pre-wired connector	M12, 4 pins	Straight	5m	XZCPV1141L5	560
PVC Pre-wired connector	M12, 4 pins	Elbowed	2m	XZCPV1241L2	450
PVC Pre-wired connector	M12, 4 pins	Elbowed	5m	XZCPV1241L5	550
Osi Sense XZ Connector • Protection IP67 • Connection Type Screw Threaded					
Male connector	M12, 4 Pin	Straight		XZCC12MDM40B	360
Male connector	M12, 4 Pin	Elbowed		XZCC12MCM40B	
Male connector	M12, 5 Pin	Straight		XZCC12MDM50B	820
Male connector	M12, 5 Pin	Elbowed		XZCC12MCM50B	
Female connector	M12, 4 Pin	Straight		XZCC12FDM40B	360
Female connector	M12, 4 Pin	Elbowed		XZCC12FCM40B	

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# Let TeSys be your drive

## Intuitive solutions to protect, monitor and control your motor

TeSys offers the best in class features you need for protection, safety, monitoring and control of motor and power applications. TeSys matches a diverse range of solutions from the most common through the most advanced. Wherever you are in the world, and whichever TeSys products you choose like contactors, circuit breakers, thermal relays, among others, you can count on receiving the reliability, standards-compatibility, ease of ordering and installation you need.



### Boosts your productivity

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

### Improves safety

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

### Adapts to any situation

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

### Simplifies smart installation design

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



## Efficient power for your business

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

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



**-50%**  
CONTACTOR  
**POWER**  
CONSUMPTION

## Best-in-class solutions for motors

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

Best-in-class TeSys products include:

- A complete range of equipment, including contactors, circuit breakers, thermal relays
- Energy efficiency and reduced CO<sup>2</sup> emissions thanks to a low consumption coil
- A high level of safety and reliability thanks to a robust, quality design
- Ease of selection, installation, and maintenance with no need for derating
- Worldwide availability and support



**Green Premium™**  
Product



## Go greener with TeSys

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

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

## Control Relays - K model (AC & DC Control)



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

No of Poles	AC Control Reference	Unit LP	DC Control Reference	Unit LP	DC low consumption Reference <sup>(1) (2) (3)</sup>	Unit LP
2NO + 2NC	CA2KN22*	1175	CA3KN22**	1600	CA4KN22***	1930
3NO + 1NC	CA2KN31*		CA3KN31**		CA4KN31***	
4NO + 0NC	CA2KN40*		CA4KN40***			

(1) Compatible with PLC outputs

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

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

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



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

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

## Reversing Contactors - K model



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

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

\* Reference to be completed by adding coil voltage code

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

### Coil Voltage Code

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

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

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

NORMAL STOCK ITEMS

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## Accessories - K Model

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

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

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

## Thermal Overload Relays - LR2-K Model



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

Thermal Protection Adjustment Range	For Use With	Reference*	Unit LP	
0.11...0.16 A	LC1K, LP1K, LP4K, LP2K, LC2K	LR2K0301	1585	
0.16...0.23 A		LR2K0302		
0.23...0.36 A		LR2K0303		
0.36...0.54 A		LR2K0304		
0.54...0.8 A		LR2K0305		
0.8...1.2 A		LR2K0306		
1.2...1.8 A		LR2K0307		
1.8...2.6 A		LR2K0308		
2.6...3.7 A		LR2K0310		
3.7...5.5 A		LR2K0312		
5.5...8 A		LR2K0314		
8...11.5 A		LR2K0316		
10...14 A		LR2K0321		1610
12...16 A		LR2K0322		

Terminal Block for Clip-on Mounting LA7K0064 Unit LP ₹ 600/-

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

## Control Relays - D model (AC & DC Control)



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

No of Poles	AC Control Reference	Unit MRP	DC Control Reference <sup>(2)</sup>	Unit MRP	DC low consumption Reference <sup>(1) (2) (3)</sup>	Unit MRP
3NO+2NC	CAD32*	1250	CAD32**	1900	CAD32***	2220
5NO+0NC	CAD50*		CAD50**		CAD50***	

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

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



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

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

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

\* Reference to be completed by adding coil voltage code

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

NORMAL STOCK ITEMS

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

[le] Rated Operational Current AC1	Motor Power (Long Life) AC3			Motor Power (Normal Life) AC3			Auxiliary contacts	Reference	Unit MRP
	kW	hP	A	kW	hP	A			
25	4	5.5	9	5.5	7.5	12	1 NO + 1 NC	LC1D09**** <input checked="" type="checkbox"/>	2400
	5.5	7.5	12	9	12.5	18	1 NO + 1 NC	LC1D12**** <input checked="" type="checkbox"/>	2500
32	9	12.5	18	11	15	25	1 NO + 1 NC	LC1D18**** <input checked="" type="checkbox"/>	3100
40	11	15	25	15	20	32	1 NO + 1 NC	LC1D25**** <input checked="" type="checkbox"/>	4780
50	15	20	32	22	30	40	1 NO + 1 NC	LC1D32**** <input checked="" type="checkbox"/>	7955

## Coil Voltage Code

Type	Voltage	24	48	72	110	220	415
	CAD, LC1-D09..to D38, D40A to D150 50/60 Hz	B7	-	-	F7	M7	N7
	CAD, LC1-D09..to D38, D40A, 50A , 65A, 80 , 95, 115 & D150	BD	-	-	FD	MD	-
	CAD	BL	-	-	FL	ML	-
	LC1D09...D32	BL	EL	SL	-	-	-

For ordering contactors with other coil voltages & frequencies, please add ₹ 190/- to the unit Price of the Standard Contactor for the same rating.

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



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

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

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

\* Reference to be completed by adding coil voltage code

Coil Voltage Code

VOLTAGE	24	110	220	415
LC1D115 50/60Hz	-	F7	M7	N7
LC1DT20...DT40, LC1-DT60A & DT80A & LC1D09...D80, D115 and LP1D650 -- LP1D800	BD	FD	MD	-

**Note:** Please contact CCC for 4 Pole Ac coil contactor details

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

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

Capacitor Duty Contactors (AC Control)



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

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

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

\* Reference to be completed by adding coil voltage code

\* Coil Voltage Code

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

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


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


NORMAL STOCK ITEMS

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## Accessories - For D Model Contactors

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

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

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

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

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

## Accessories compatibility

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

(3) LC : Low consumption

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

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Description	Time Delay Range	Timer Type	Reference	Unit LP
On delay timer <sup>(1)</sup> <sup>(2)</sup>	15...30 s	On delay	LA4DT2U	2830
On delay timer <sup>(1)</sup> <sup>(2)</sup>	0.1...2 s	On delay	LA4DT0U	
On delay timer <sup>(1)</sup> <sup>(2)</sup>	25...500 s	On delay	LA4DT4U	
Relay interface module - 24V DC <sup>(1)</sup> <sup>(2)</sup>	-	-	LA4DFB	2610

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

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

Mounting Location	For Use With Contactor	Reference	Unit LP
Front, Clip-on	LC1 D09...D38 (a or c) LC1 DT20...DT40 (a or c) LC1 D40A...D65A (3P a or c) LC1DT60A AND DT80A (4P a or c)	LAD6K10*	3405
	LC1 D80...D150 (3P a) LC1 D80 AND D115 (3 P c) LC1 D80 (4 P a) LC1 D80 AND D115 (4 P a) LP1 D80 AND LC1 D115 (4 P c)	LA6DK20*	3560

\* Reference to be completed by adding coil voltage code

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

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

## Spare coils D model

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

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

\* Reference to be completed by adding coil voltage code


## Coil Voltage Code

TYPE	VOLTAGE (V)	24	110	220	415
AC*	CAD, LC1-D09...D38, DT20..40,LC1 - D150,L-C1D40A, D50A, D65A & LC1DT60A, DT80A, LC1D150 LC1D80, D95, D115	B7	F7	M7	N7


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

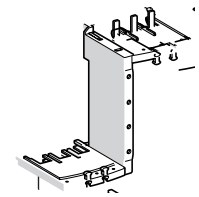
NORMAL STOCK ITEMS


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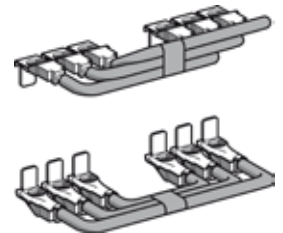
Description	For use with	Reference	Unit LP 
<b>Power connection accessories</b>			
Terminal block	For supply to one or more GV2 G busbar sets	GV1G09	1365
Set of 63 A busbars for parallelling of contactors	2 contactors LC1 D09...D18 or D25...D38	GV2G245	1020
	4 contactors LC1 D09...D18 or D25...D38	GV2G445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




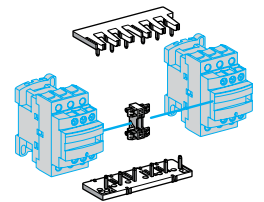
Description	For use with	Reference	Unit LP 
<b>Mechanical interlock</b>	LC1 D09 to D38	LAD9V2	485
	LC1 D40A to D65A	LAD4CM	980
	LC1 D80 and D95 ( for AC control voltage) (2)	LA9D4002	2145
	LC1 D80 and D95 (for DC control voltage) (2)	LA9D8002	3235
	LC1 D115 and D150 (2)	LA9D11502	3275




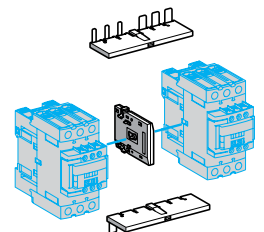
Description	For use with	Reference	Unit LP 
<b>Power Connection for Reversing</b>			
Kit Comprising : 1. a set of parallel bars 2. a set of reverser bars.	LC1 D09 to D38	LAD9V5 + LAD9V6	400+500
	LC1 D40A to D65A	LA9D65A69	2100
	LC1 D80 and D95 ( for AC control voltage)	LA9D8069	4500
	LC1 D80 and D95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



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



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



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

 **NORMAL STOCK ITEMS**

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

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	860
LC1-D12...D25 (4P)		110...240 V AC	RC Circuit AC	LA4DA1U	
LC1-D12 & D25 (4P)		12...250 V DC	Diode DC	LA4DC1U	
LC1-D12...D25 (4P)		24...48 V AC/DC	Varistor AC/DC	LA4DE1E	
-		110...250 V AC/DC	Varistor AC/DC	LA4DE1U	
LC1D09...D38, LC2D09...D38, LC1DT20...DT40, LC2DT20...DT40 (3P)		24...48 V AC	Varistor AC/DC	LAD4VE	835
		24...48 V AC 400 Hz	RC Circuit AC	LAD4RCE	750
		50...127 V AC 200 Hz	RC Circuit AC	LAD4RCG	
		110...240 V AC 100 Hz	RC Circuit AC	LAD4RCU <input checked="" type="checkbox"/>	835
		110...250 V AC	Varistor AC/DC	LAD4VU	
LC1D80, LC1D95, LC2D80, LC2D95 (3P) LC2D80 (4P), LC1D40008, LC1D65008	Screw	24...250 V DC	Diode DC	LA4DC3U	860
LC1D80...D115, LC2D80...D115 (3P) LC1D80...D115, LC2D80...D115 (4P)		24...48 V AC	Varistor AC/DC	LA4DE2E	820
		110...250 V AC	Varistor AC/DC	LA4DE2U	
		24...48 V AC 400 Hz	RC Circuit AC	LA4DA2E	1305
		50...127 V AC 200 Hz	RC Circuit AC	LA4DA2G	
		110...240 V AC 100 Hz	RC Circuit AC	LA4DA2U	860
		380...415 V AC 150 Hz	RC Circuit AC	LA4DA2N	1305
		24...48 V DC	Varistor AC/DC	LA4DE3E	860
		110...250 V DC	Varistor AC/DC	LA4DE3U	820


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

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


### Simple, customisable modular marking system

**Standard TeSys D contactors**

Easy-to-attach covers:




Auxiliary blocks for more contact points:



**Standard TeSys U motor starters**

Translucent labels to identify safety-chain devices:




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



Simpler and faster maintenance with 100% visibility



Safety covers and auxiliary blocks prevent screwdriver contact with poles


### Complete safety-chain identification system

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

Also available for CAD32/CAD50

### Built in Safety

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

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

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

# Advanced motor protection for a wide range of applications

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



## Thermal Overload Relays - D Model



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

Thermal Protection Adjustment Range	For Use With	Reference*	Unit MRP
0.1...0.16 A		LRD01	1750
0.16...0.25 A		LRD02	
0.25...0.4 A		LRD03	
0.4...0.63 A		LRD04	
0.63...1 A		LRD05 <input checked="" type="checkbox"/>	
1...1.6 A	GV2L03, LE03,	LRD06 <input checked="" type="checkbox"/>	
1.6...2.5 A	LC1D09...LC1D38	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"/>	1800
16...24 A	GV2L22, LC1D25...D38	LRD22 <input checked="" type="checkbox"/>	1850
23...32 A	LC1D25...LC1D38, LC1D32	LRD32 <input checked="" type="checkbox"/>	3150
30...38 A	LC1D32, LC1D38	LRD35	3500
23...32 A	LC1D40A...D65A	LRD332	
30...40 A	LC1D80...LC1D95	LRD3353	
30...40 A	LC1D40A...D65A	LRD340	
30...40 A	LC1D80...LC1D95	LRD3355	
37...50 A	LC1D40A...D65A	LRD350 <input checked="" type="checkbox"/>	
48...65 A	LC1D80...LC1D95	LRD3357	5300
48...65 A	LC1D40A...D65A	LRD365	5650
48...65 A	LC1D80...LC1D95	LRD3359	

Thermal Protection Adjustment Range	For Use With	Reference*	Unit LP
63...80 A	LC1D65...LC1D95	LRD3363	6090
80...104 A	LC1D80, LC1D95	LRD3365	7740

### Note:

- \*For LRD01...LRD35 - Terminal Block for clip-on Mounting LAD7B106 Unit LP: ₹ 560/-
- \*For LRD33\*\* - Terminal Block for clip-on Mounting LA7D3064  Unit LP: ₹ 1670/-
- For LRD332, LRD340, LRD350 & LRD365 - Connection block for separate mounting LAD96560 Unit LP: ₹ 1385/-
- The LRD relays can be used for AC or DC current up to 104 Amps
- For long starting, Class 20 relays are available on request.
- Device for remote tripping and electrical reset is available on request.

## Electronic Thermal Overload Relay - D Model



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

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

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

## Electronic Over Current Relay



### Features :

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

(1) For higher rating please contact Customer Care Centre

Please contact Customer Care Centre for more details on EOCR


# A perfect fit for power switching



## TeSys F 1250 to 2600 A

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

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

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

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

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

NORMAL STOCK ITEMS

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



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

[le] Rated Operational Current AC1	Motor Power (Long Life) AC3			Motor Power (Normal Life) AC3			Reference	Unit LP
	kW	hP	A	kW	hP	A		
200	59	80	115	80	110	150	LC1F115	16000
250	80	110	150	100	135	185	LC1F150	22000
275	100	135	185	110	150	205	LC1F185	26000
315	110	150	225	140	190	265	LC1F225	29000
350	140	190	265	160	220	300	LC1F265	33500
400	180	245	330	220	300	400	LC1F330	40500
500	220	300	400	250	340	450	LC1F400	46000
700	280	380	500	375	500	630	LC1F500	63000
1000	375	500	630	450	610	800	LC1F630	112750
1000	450	610	800				LC1F800	175000
1250	630	840	1000				LC1F1000	On Request

Note:

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

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



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



[le] Rated Operational Current AC1	Power Pole Composition	Reference	Unit LP
200 A	4 NO	LC1F1154	27140
250 A	4 NO	LC1F1504	33010
275 A	4 NO	LC1F1854	41160
315 A	4 NO	LC1F2254	48570
350 A	4 NO	LC1F2654	54260
400 A	4 NO	LC1F3304	64490
500 A	2 NO	LC1F4002	45715
500 A	4 NO	LC1F4004	76070
700 A	2 NO	LC1F5002	67275
700 A	4 NO	LC1F5004	111075
1000 A	2 NO	LC1F6302	109240
1000 A	4 NO	LC1F6304	161445
1600 A	4 NO	LC1F7804	344530

Note:

- Contactor reference does not include coil. Contactor coil & aux. contacts to be ordered separately.(Coil includes 1 NO contact)
- For additional auxiliary block, timers & other accessories please see page 21
- Power terminals may be protected by the addition of shrouds, to be ordered separately.

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

## Coils F Model

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

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

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

(2) Coil with suppressor fitted as standard.

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

## Coil Voltage Code

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

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

## Vacuum Contactors (3 Pole AC Control)

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

### \* Coil Voltage Code

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

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

## Accessories - D and F Model

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

Description	Contacts	Reference	Unit LP	
<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"/>	2510
		1 NO+1NC 0.1 ..3s	LADR0	2350
		1 NO+1NC 0.1 ..30s	LADR2 <input checked="" type="checkbox"/>	
	1 NO+1NC 10..180s	LADR4		

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

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

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

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

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

All power connections are to be made by the user.

### Main Contact Sets\*

LC1F115, LC1F150	LA5FF431 <input checked="" type="checkbox"/>	16545
LC1F185, LC1F225	LA5FG431	23920
LC1F265	LA5FH431	31505
LC1F330, LC1F400	LA5F400803	38200
LC1F500	LA5F500803	49145
LC1F630	LA5F630803	78165
LC1F800	LA5F800803	98155

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

Description	For use with	110 V Reference	220 V Reference	Unit LP
<b>Suppressor Blocks</b>				
Suppressor module clip on	All AC ratings	LA4FRCF	LA4FRCP	4195
Suppressor bracket	For all LA4F	LA9D09981		430

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

NORMAL STOCK ITEMS

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## Coils F Model

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

### Coil Voltage Code

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

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

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

(2) Coil with suppressor fitted as standard.

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

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

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

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

Product compatibility	48V Reference	110V Reference	220V Reference	440/460 V Reference	Unit LP
<b>Hoisting Applications - DC Coils</b>					
LC1F400	LX9FJ918	LX9FJ926	LX9FJ932	LX9FJ938	24285
LC1F500	LX9FK918	LX9FK926	LX9FK932	LX9FK938	25975
LC1F630	LX9FL918	LX9FL926	LX9FL931	LX9FL937	24930

**Note:**

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

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

- To be used with hoisting application DC coil

LC1F400	1 x DR2SC0047	1 x DR2SC1200	1 x DR2SC4700	3120
LC1F500	1 x DR2SC0039	1 x DR2SC1000	1 x DR2SC3300	
LC1F630	2 x DR2SC0047	2 x DR2SC0047	2 x DR2SC3900	

## Electronic Relays



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

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

90...150 A	LR9F5369	10100
132...220 A	LR9F5371	12350
200...330 A	LR9F7375	12450
300...500 A	LR9F7379	16100
380...630 A	LR9F7381	17300

## Accessories

Description	For Use With	Relay Type	Reference	Unit LP
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### For LR9 - F Relay

mounting plate LA7F		LR9-F5369, LR9-F5371	LA7F901	2930
		LR9-F7375, LR9-F7379, LR9-F7381	LA7F902	3945

### Connection Accessories

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

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

☑ NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# Lineryg

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

Because Lineryg is:

Flexible



Safer



Reliable



**Lineryg BZ**  
Power Busbars

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

**Lineryg HK**  
"Hot Plug" Distribution

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

**Lineryg FT**  
Device Feeders

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

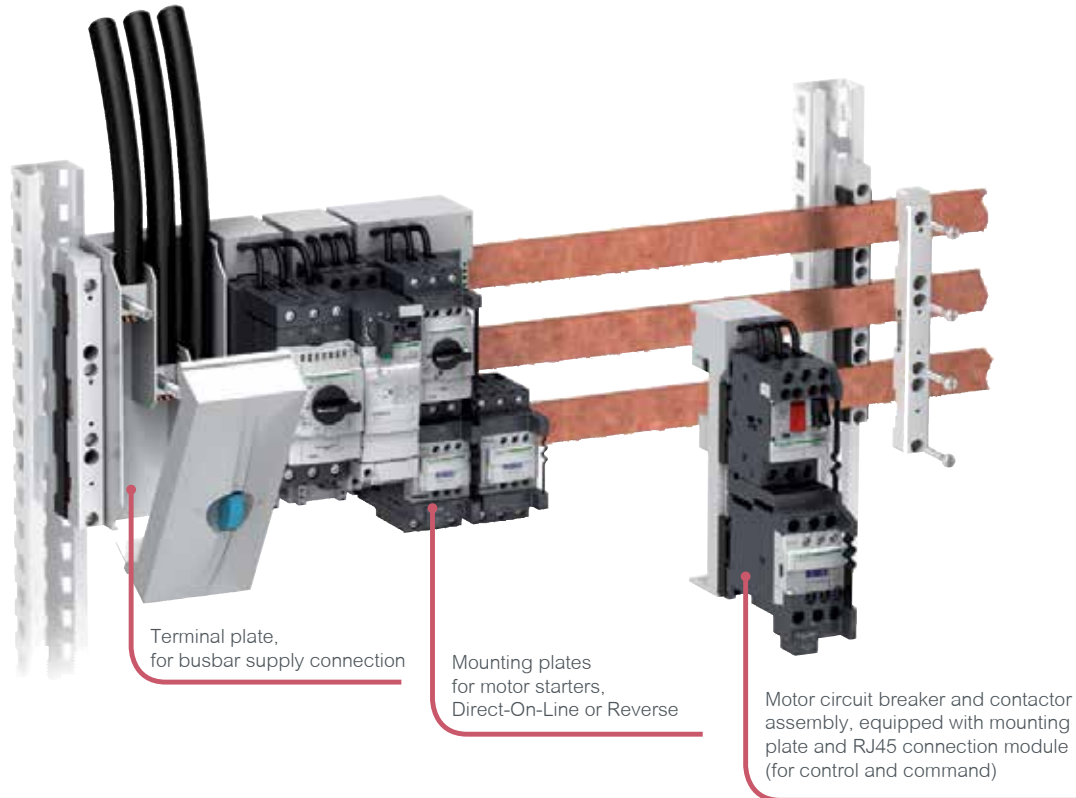
- > Quick Installation
- > Multi Standard Offer
- > Intuitive Solution

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

# Lineryg BZ

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

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



## Advantages

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

### Detailed view: back face of a motor starter mounting plate

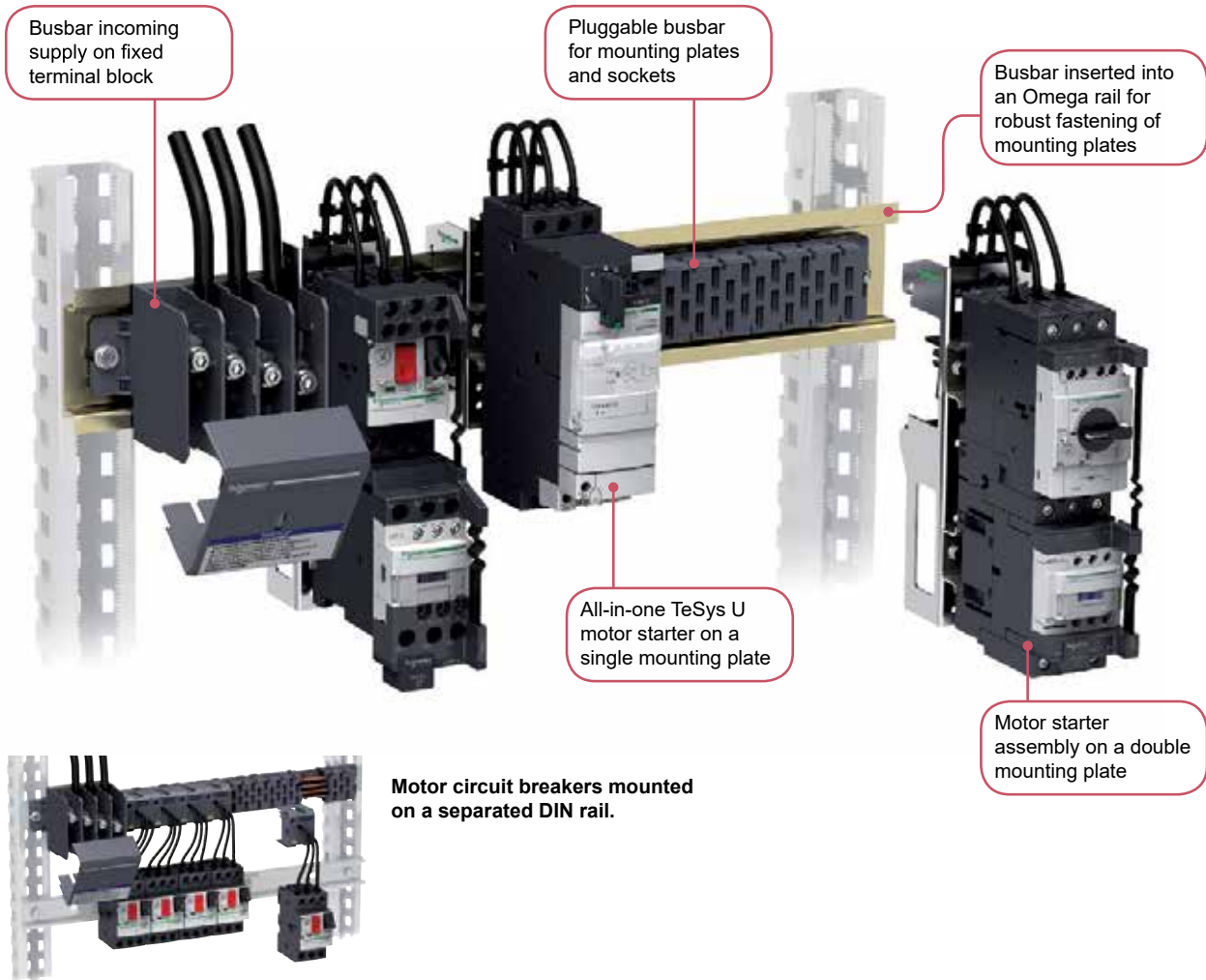
- A reliable electrical contact is ensured by copper blades
- The blue part locks the mounting plate on the busbar, compatability is provided with standard profiles:
  - v Height 12, 15, 20, 25 or 30 mm,
  - v Width 5 or 10 mm



# Lineryg HK

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

When compactness and continuity of service are required



## Advantages

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

### Detailed view: mounting plate back face

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



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

## Motor Circuit Breakers



- Conformance to IEC 60947 -1,-2,-4
- Thermal magnetic circuit breakers range from 0.1-220 Amps
- High Breaking capacity up to 100 kA
- Conformity to International Standards - UL, CSA, CE
- Wide range of accessories
- S-shaped busbar for side-by-side connection with 40 - 65A Contactor

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

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

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

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

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

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

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	12500
	22	-	37...50 A	GV3P50	15000
	30	-	48...65 A	GV3P65	16000

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

15 kA	37	-	56...80 A	GV3ME80	14660
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\*\* 50/60Hz - 415 V

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

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

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

## Motor Circuit Breakers



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

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

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

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**		Magnetic Protection Rating (A)	Reference	Unit LP
	kW	hP			
100 kA	0.09	-	0.4	GV2LE03	3290
	0.18	-	0.63	GV2LE04	
	0.37	0.5	1	GV2LE05	
	0.55	-	1.6	GV2LE06	
	1.1	1.5	2.5	GV2LE07	
	1.5	2	4	GV2LE08	3770
	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	3770
	15	20	32	GV2LE32	
10 kA	15	20	32	GV2LE32	6475

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

Breaking Capacity at 415 V 50 Hz	Motor Power AC3**		Magnetic Protection Rating (A)	Reference	Unit LP
	kW	hP			
100 kA	0.09	-	0.4	GV2L03	4095
	0.18	-	0.63	GV2L04	
	0.37	0.5	1	GV2L05	
	0.55	-	1.6	GV2L06	
	1.1	1.5	2.5	GV2L07	
	1.1	2	4	GV2L08	4095
	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	10470
	22	50	GV3L50	10700
	30	65	GV3L65	11060

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

\*\* 50/60Hz - 415 V

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

Breaking Capacity at 415 V 50 Hz*	Motor Power AC3** kW	Thermal Protection adjustment Range	Reference	Unit LP
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### GV7-R Range Thermal Magnetic (220A, AC3)

36 kA	45	60 - 100	GV7RE100	22850
	75	90 - 150	GV7RE150	31370
	110	132 - 220	GV7RE220	38560
35 kA	18.5	25 - 40	GV7RS40	24720
	22	30 - 50	GV7RS50	24720
	37	48 - 80	GV7RS80	26450
70 kA	45	60 - 100	GV7RS100	26450
	75	90 - 150	GV7RS150	35545
	110	132 - 220	GV7RS220	43585

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

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



Accessories for Motor Circuit Breakers

Description	Reference	Unit LP
<b>For GV2</b>		
Front contact NO or NC <sup>(1)</sup>	GVAE1	680
Front contact NO + NC	GVAE11 <input checked="" type="checkbox"/>	835
	GVAE20	915
Side contact NO + NC	GVAN11 <input checked="" type="checkbox"/>	1010
	GVAN20	
Fault signalling contact +1 NO contact <sup>(2)</sup>	GVAD1010 <input checked="" type="checkbox"/>	1305
Fault signalling contact +1 NC contact <sup>(2)</sup>	GVAD1001	
Short circuit signalling contact block 1 C/O	GVAM11	1250
Undervoltage trip :	110 ... 115V 50Hz GVAU115	2320
	220 ... 240V 50Hz GVAU225	
	380 ... 400V 50Hz GVAU385	
Shunt trip :	110 ... 115V 50Hz GVAS115	2405
	220 ... 240V 50Hz GVAS225	
	380 ... 400V 50Hz GVAS385	
Additive limiter for increasing breaking capacity to 100kA for GV2ME and GV2P.	GV1L3	3880
connection block - GV2 with contactor LC1-D09..D38	GV2AF3	465
connection block - LS1 D32 or GV2 with contactor LC1-K or LP1-K	GV2AF01	495
empty enclosure for GV2ME - plastic	GV2MP02	1735
	GV2MC02	1905

- (1) Choice of NC or NO contact operation depending on which way round the reversible block is mounted.
- (2) The GV-AD is always mounted next to the circuit breaker.

Busbars

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

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

Accessories for Motor Circuit Breakers

description	Reference	Unit LP
auxiliary contact - 1 NO + 1 NC early-break	GV3A01	1100
auxiliary contact - 2 NO early-break	GV3A02	
Under voltage release - 110 V AC 50Hz	GV3B11	3630
Under voltage release - 220 V AC 50Hz	GV3B22	
Under voltage release - 380 V AC 50Hz	GV3B38	
Shunt release - 110 V AC 50Hz	GV3D11	
Shunt release - 220 V AC 50Hz	GV3D22	
Shunt release - 380 V AC 50Hz	GV3D38	

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

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	1590
Auxiliary contact - 1 OC	-	GV7AE11 <input checked="" type="checkbox"/>	1550
Clip-on connector - upto 150 A - 1.5..95 mm <sup>2</sup>	-	GV7AC021	630
Clip-on connector- upto 220 A - 1.5..185 mm <sup>2</sup>	-	GV7AC022	600
Fault discrimination device	24...72V DC/ 24...48V AC	GV7AD111	4575
	110 ... 240V AC/ DC	GV7AD112	4575
Front rotary handle GV7AP GV7R - black handle <sup>(2)</sup>	-	GV7AP03	2685
	-	GV7AP01	4685
Padlocking device - 1..3 padlocks Ø 5..8mm shank <sup>(3)</sup>	-	GV7V01	735
Phase barriers	-	GV7AC04	810
Terminal shields IP405 <sup>(1)</sup>	-	GV7AC01	1650

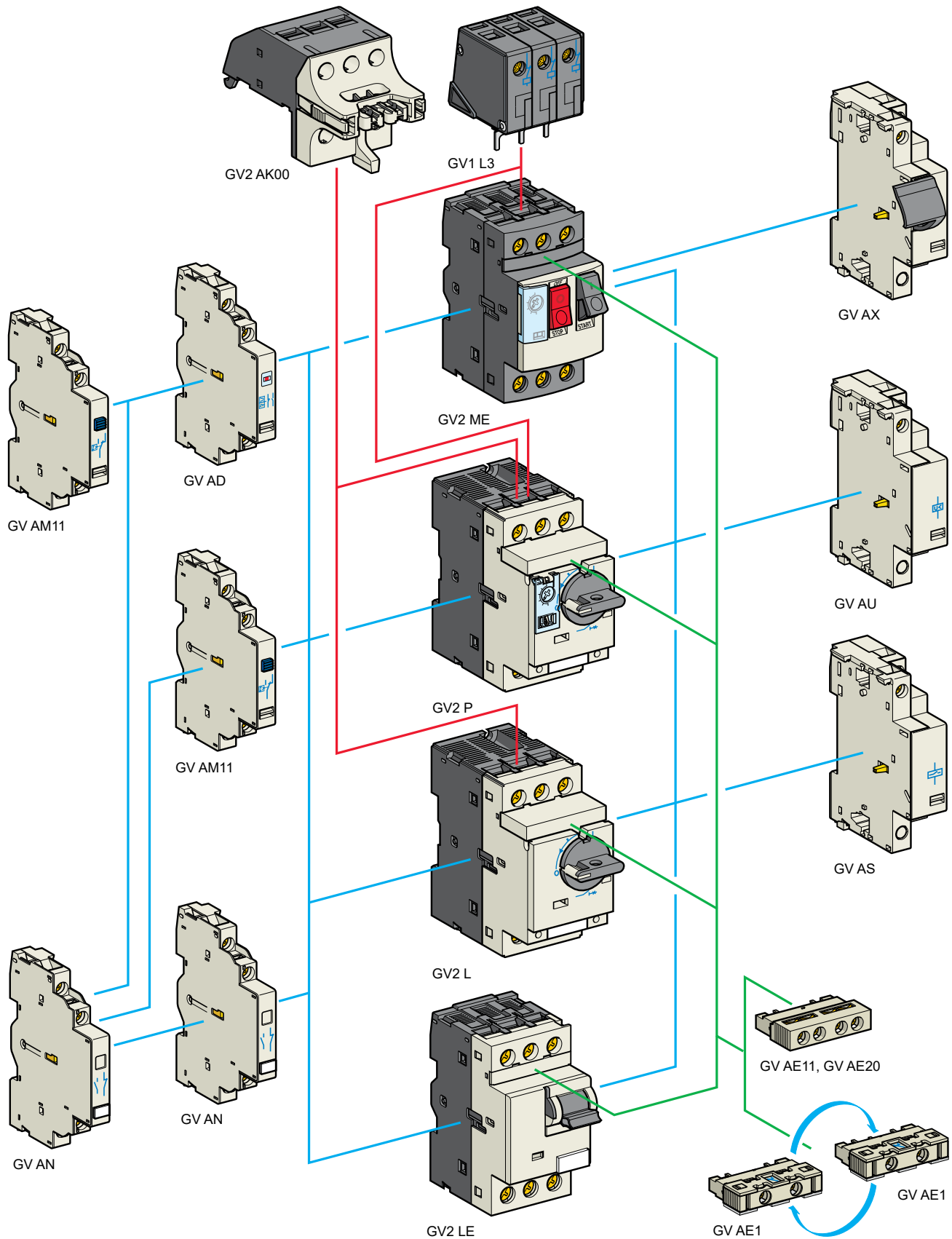
<b>For GV7</b>			
Shunt release	110...130 V AC 50/60 Hz	GV7AS107	3555
	200...240 V AC 50/60 Hz	GV7AS207	
	380...440 V AC 50/60 Hz	GV7AS387	3425
	110...130 V AC 50/60 Hz	GV7AU107	3670
200...240 V AC 50/60 Hz	GV7AU207		
380...440 V AC 50/60 Hz	GV7AU387		
3-pole spreader - for motor circuit breaker GV7 45 mm pitch		GV7AC03	1060

- (1) Terminal shields cannot be used together with spreaders.
- (2) For mounting direct rotary handle on enclosure door. This accessory makes it possible to open the door If the device is closed and prevents the device from being closed if the door is open.
- (3) For Circuit breaker not fitted with a rotary handle

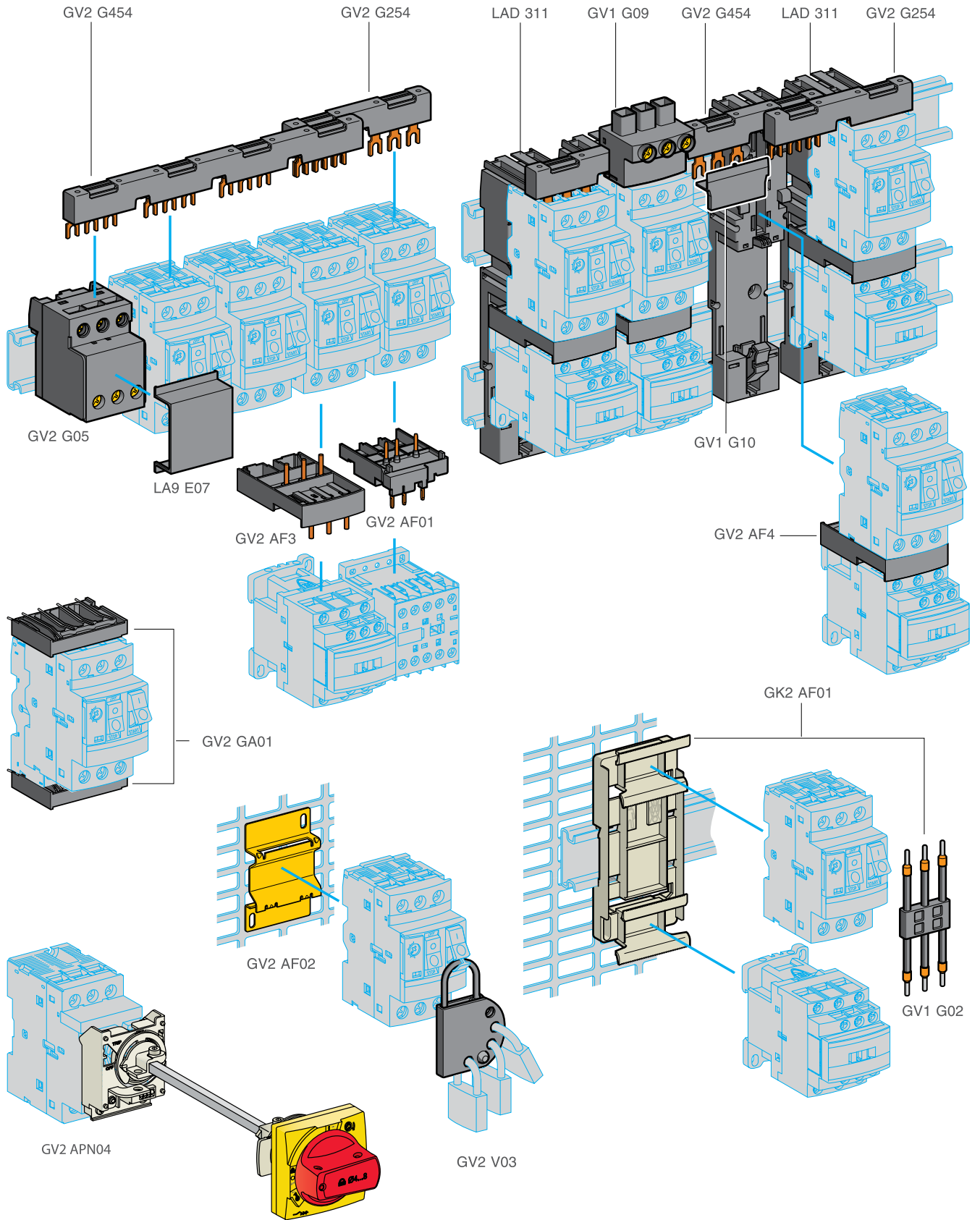
For details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

NORMAL STOCK ITEMS

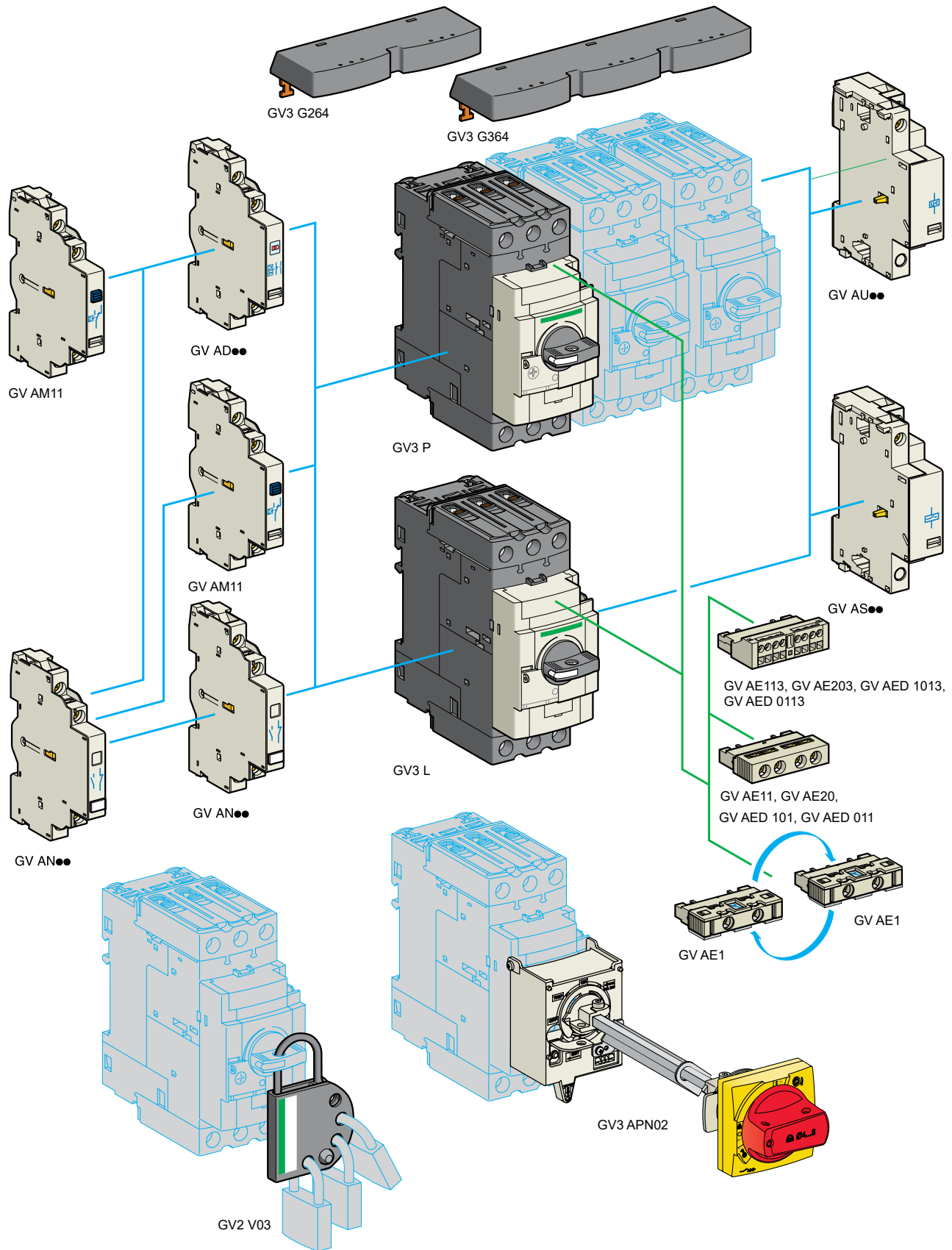
W.E.F. December 29, 2016



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



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## Vario Switch Disconnectors

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

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

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

\* Rated Power at 415 V

\*\* Ith in enclosure

For Switch Type (Amps)	Mounting Arrangement	Ingress	Reference	Unit LP
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12 - 40 A	4 Screw Fixing	IP65	KCF1PZ	510
63 - 80 A	4 Screw Fixing	IP65	KCF2PZ	540
125 - 175 A	4 Screw Fixing	IP40	KCF3PZ	2235

## Vario Switch Disconnectors

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

#### • Suitable for Front Mounting or Base Mounting

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

### Switch Bodies

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

## Accessories

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

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

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

(2) With early make and late break contacts

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

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

### Input Terminal Protection Shrouds

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

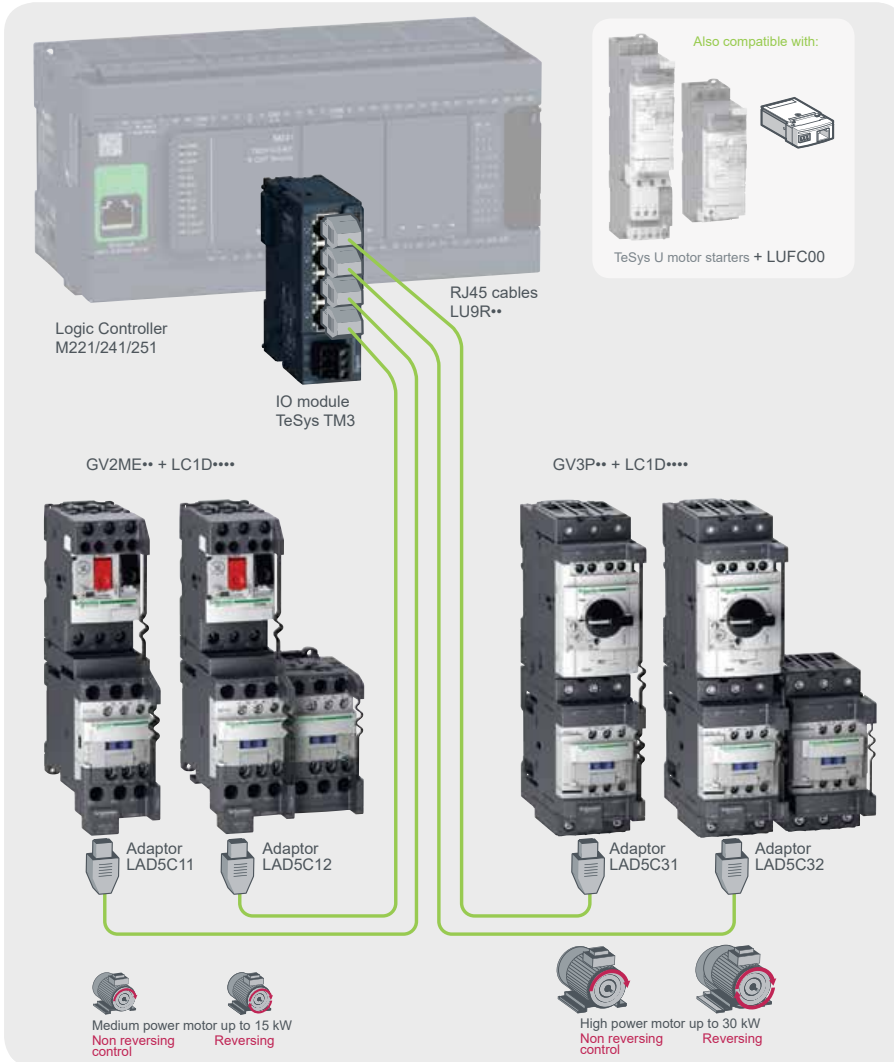
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NORMAL STOCK ITEMS

W.E.F. December 29, 2016

# Let TeSys SoLink be your drive!

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



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

**100%** upgradable  
Plug & Play solutions

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

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

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



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

**Note:**

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

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

# Switching and Controlling is now SMART with TeSys Intelligence



**Tesys U**



**Tesys T**



Ethernet  
Ready  
Intelligent  
Motor  
Control



Your requirements



TeSys Intelligence

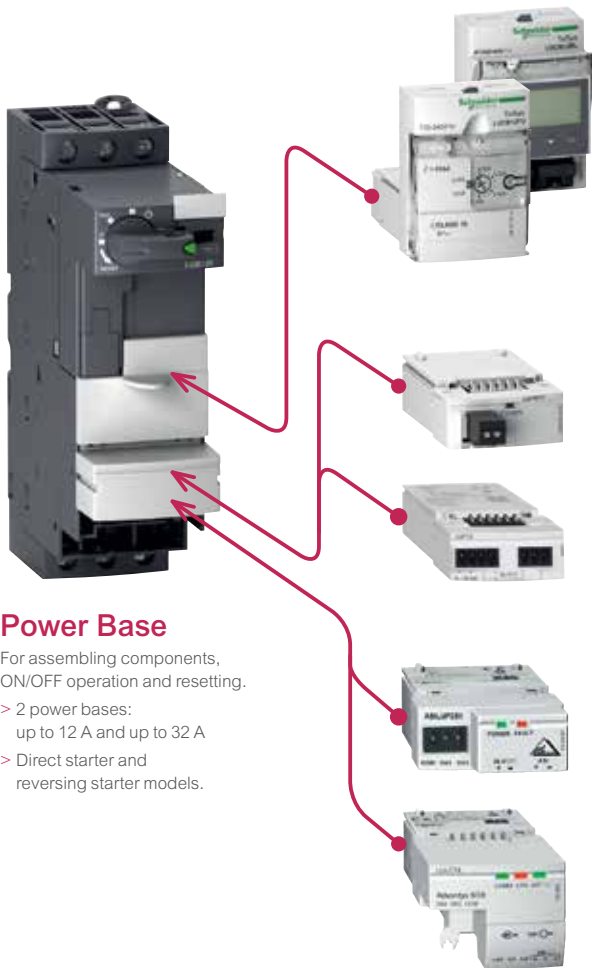


**100%  
reliable**

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

If you look for more advanced functions

# Let the TeSys U build the solution for you!



## Power Base

For assembling components, ON/OFF operation and resetting.

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

## Control Unit

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

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

## 4 simple function modules

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

## 6 communication modules

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

# 40 %

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

says a panel builder from the water treatment sector

# 60 %

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

says an engineer in a food processing industry



# Introducing Modbus TCP and EtherNet/IP for reliable control

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



## 90+ years

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

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

## New connectivity options bring new advantages

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

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

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

## TeSys T Motor Management System - Controllers



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

Description	Ethernet IP / Modbus TCP IP	Modbus	Profibus	CanOpen	DeviceNet	Unit LP
0.4 to 8A	LTMR08E*	LTMR08M*	LTMR08P*	LTMR08C*	LTMR08D*	On Request
1.35 to 27A	LTMR27E*	LTMR27M*	LTMR27P*	LTMR27C*	LTMR27D*	On Request
5 to 100A	LTMR100E*	LTMR100M*	LTMR100P*	LTMR100C*	LTMR100D*	On Request
<b>Note:</b> Above 100 Amps external CT required.						
Voltage Expansion Module (4 DI)	LTMEV40*					On Request
HMI Display Module	LTMCUF					On Request

\* Reference to be completed by adding coil voltage code

### \*\* Coil Voltage Code

VOLTAGE	
24 DC	BD
110 VAC	FM

## TeSys U Starter-Controllers



- Total coordinated starter solution with 3 functions in 1 device
- Compact size for DOL/RDOL starter up to 15 kW, 32A (AC-3)
- Direct Connectivity to Modbus/Profibus/CanOpen/DeviceNet
- Complete current-based Protection and Measurement in 1 device
- High Operational Temperature (-40°C to +60°C)
- Wide range of Coil Voltages
- 50kA Breaking capacity, can be increased upto 130kA with current limiter

Description	Rating at 440 V kW	Reference	Unit LP
<b>Power Bases for Non-Reversing D.O.L. Starter</b>			
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
<b>Control Units</b>					
0.15...0.6 A	0.09	LUCAX6**	LUCBX6**	LUCMX6BL	On Request
0.35...1.4 A	0.25	LUCA1X**	LUCB1X**	LUCM1XBL	On Request
1.25...5 A	1.5	LUCA05**	LUCB05**	LUCM05BL	On Request
3...12 A	5.5	LUCA12**	LUCB12**	LUCM12BL	On Request
4.5...18 A	7.5	LUCA18**	LUCB18**	LUCM18BL	On Request
8...32 A	15	LUCA32**	LUCB32**	LUCM32BL	On Request

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

\* Reference to be completed by adding coil voltage code

VOLTAGE	24	48...72	100...240
DC	BL <sup>(1)</sup> <sup>(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  $\pm 10\%$ .

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

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

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

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



### Up to 75 % of space reduction

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

### Long electrical durability

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

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

### Easy Design

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

### Easy to integrate

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

### Standard version

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



### Safety version

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

**Standard Starter TeSys H**

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

**Standard Starter TeSys H**

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

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

# Selection Chart:

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

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

Motor Rating kW	Operational Current in A	Iq* kA	Motor Circuit Breaker	Thermal Range	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 details on non standard references, technical parameters, accessories, compatibility, stockable and non stockable status please contact Customer Care

## 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	1670
	20	NKS100R020AC3P	
	25	NKS100R025AC3P	
	32	NKS100R032AC3P	
	40	NKS100R040AC3P	
	50	NKS100R050AC3P	
	63	NKS100R063AC3P	
	75	NKS100R075AC3P	
	100	NKS100R100AC3P	

## 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 ✓	4560	EZC100H4015	6320
	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 ✓	6750	LV510310 ✓	9430		
	25A	LV510301 ✓		LV510311 ✓			
	32A	LV510302 ✓		LV510312 ✓			
	40A	LV510303 ✓		LV510313 ✓			
	50A	LV510304 ✓		LV510314 ✓			
	63A	LV510305 ✓		LV510315 ✓			
	80A	LV510306 ✓		LV510316 ✓			
	100A	LV510307 ✓		LV510317 ✓			
	125A	LV516302 ✓		9940		LV516312 ✓	12240
	160A	LV516303 ✓		13050		LV516313 ✓	15400
	200A	LV525302 ✓		17700		LV525312 ✓	21750
25kA	250A	LV525303 ✓	20450	LV525313 ✓	24850		

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

For EasyPact NKS / EZC

Description	NKS / EZC100 Reference	Unit LP
<b>Auxiliary Contacts (Changeover) Multifunction</b>		
Auxiliary Switch 1 C/O	EZAUX10	780
Alarm - Switch 1 C/O	EZAUX01	1160
Alarm - Auxiliary Switch	EZAUX11	1160
<b>Spreaders</b>		
Spreaders* (Set Of 3) 3P	EZASPDR3P	320
Spreaders* (Set Of 4) 4P	EZASPDR4P	420
Phase Barriers	EZAFASB2	190
<b>Rotary Handle</b>		
Direct Rotary handle	EZAROTDS	1100
<b>Shunt Release</b>		
<b>AC</b>		
200-277 V	EZASHT200AC	1670
<b>Under Voltage Release</b>		
<b>AC</b>		
200-240 V	EZAUVR200AC	On Request

For EasyPact CVS

Auxiliary Contacts (Changeover) Multifunction

Description	Reference	Unit LP
OF or SD or SDE or SDV	29450	900

Voltage Releases

Description	Shunt Release Reference	Unit LP	Undervoltage Reference	Unit LP
<b>AC</b>				
220-240 V 50/60 Hz	LV429387	2210	LV429407	2830

Installation Accessories

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

Rotary Handles

Description	CVS 100/160/250 Reference	Unit LP
<b>Direct rotary handles</b>		
Standard black handle	LV429337	1130
<b>Extended rotary handle</b>		
Standard extended rotary handle	LV429338	1840

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

## AC 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 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
<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	268	A9N2P06B	788	A9N3P06B	1286	A9N4P06B	1728
10	A9N1P10B	268	A9N2P10B	788	A9N3P10B	1286	A9N4P10B	1728
16	A9N1P16B	268	A9N2P16B	788	A9N3P16B	1286	A9N4P16B	1728
20	A9N1P20B	268	A9N2P20B	788	A9N3P20B	1286	A9N4P20B	1728
25	A9N1P25B	268	A9N2P25B	788	A9N3P25B	1286	A9N4P25B	1728
32	A9N1P32B	268	A9N2P32B	788	A9N3P32B	1286	A9N4P32B	1728
40	A9N1P40B	578	A9N2P40B	1278	A9N3P40B	1972	A9N4P40B	2508
50	A9N1P50B	578	A9N2P50B	1278	A9N3P50B	1972	A9N4P50B	2508
63	A9N1P63B	578	A9N2P63B	1278	A9N3P63B	1972	A9N4P63B	2508

### C curve

1	A9N1P01C	406	A9N2P01C	1098	A9N3P01C	1692	A9N4P01C	2148
2	A9N1P02C	406	A9N2P02C	1098	A9N3P02C	1692	A9N4P02C	2148
3	A9N1P03C	406	A9N2P03C	1098	A9N3P03C	1692	A9N4P03C	2148
4	A9N1P04C	406	A9N2P04C	1098	A9N3P04C	1692	A9N4P04C	2148
6	A9N1P06C	268	A9N2P06C	788	A9N3P06C	1286	A9N4P06C	1728
10	A9N1P10C	268	A9N2P10C	788	A9N3P10C	1286	A9N4P10C	1728
16	A9N1P16C	268	A9N2P16C	788	A9N3P16C	1286	A9N4P16C	1728
20	A9N1P20C	268	A9N2P20C	788	A9N3P20C	1286	A9N4P20C	1728
25	A9N1P25C	268	A9N2P25C	788	A9N3P25C	1286	A9N4P25C	1728
32	A9N1P32C	268	A9N2P32C	788	A9N3P32C	1286	A9N4P32C	1728
40	A9N1P40C	578	A9N2P40C	1278	A9N3P40C	1972	A9N4P40C	2508
50	A9N1P50C	578	A9N2P50C	1278	A9N3P50C	1972	A9N4P50C	2508
63	A9N1P63C	578	A9N2P63C	1278	A9N3P63C	1972	A9N4P63C	2508

### D curve

1	A9N1P01D	412	A9N2P01D	1118	A9N3P01D	1736	----	----
2	A9N1P02D	412	A9N2P02D	1118	A9N3P02D	1736	A9N4P02D	2174
3	A9N1P03D	412	A9N2P03D	1118	A9N3P03D	1736	A9N4P03D	2174
4	A9N1P04D	412	A9N2P04D	1118	A9N3P04D	1736	A9N4P04D	2174
6	A9N1P06D	346	A9N2P06D	830	A9N3P06D	1354	A9N4P06D	1798
10	A9N1P10D	346	A9N2P10D	830	A9N3P10D	1354	A9N4P10D	1798
16	A9N1P16D	346	A9N2P16D	830	A9N3P16D	1354	A9N4P16D	1798
20	A9N1P20D	346	A9N2P20D	830	A9N3P20D	1354	A9N4P20D	1798
25	A9N1P25D	346	A9N2P25D	830	A9N3P25D	1354	A9N4P25D	1798
32	A9N1P32D	346	A9N2P32D	830	A9N3P32D	1354	A9N4P32D	1798
40	A9N1P40D	628	A9N2P40D	1362	A9N3P40D	2096	A9N4P40D	2640
50	A9N1P50D	628	A9N2P50D	1362	A9N3P50D	2096	A9N4P50D	2640
63	A9N1P63D	628	A9N2P63D	1362	A9N3P63D	2096	A9N4P63D	2640

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

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

✓ NORMAL STOCK ITEMS

W.E.F. December 29, 2016



## AC 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	2115	A9N18361	4695	A9N18365	7400	A9N18372	9640
100	A9N18358	2375	A9N18362	5010	A9N18367	7885	A9N18374	10055
125	A9N18359	2565	A9N18363	5510	A9N18369	8755	A9N18376	11370

### C120H (15kA)

80	A9N18446	2535	A9N18457	5710	A9N18468	8695	A9N18479	11165
100	A9N18447	2800	A9N18458	5850	A9N18469	9475	A9N18480	12035
125	A9N18448	3055	A9N18459	6640	A9N18470	10220	A9N18481	13075

## DC Miniature Circuit Breakers - C60H



- 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	725	2	A9N61520	1530
1	1	A9N61501 ✓	725	2	A9N61521 ✓	1530
2	1	A9N61502 ✓	725	2	A9N61522 ✓	1530
3	1	A9N61503 ✓	725	2	A9N61523 ✓	1530
4	1	A9N61504 ✓	725	2	A9N61524 ✓	1530
5	1	A9N61505	725	2	A9N61525	1530
6	1	A9N61506 ✓	590	2	A9N61526 ✓	1285
10	1	A9N61508 ✓	590	2	A9N61528 ✓	1285
16	1	A9N61511 ✓	590	2	A9N61531 ✓	1285
20	1	A9N61512 ✓	590	2	A9N61532 ✓	1285
25	1	A9N61513 ✓	590	2	A9N61533 ✓	1285
32	1	A9N61515 ✓	590	2	A9N61535 ✓	1285
40	1	A9N61517 ✓	775	2	A9N61537 ✓	1770
50	1	A9N61518 ✓	775	2	A9N61538 ✓	1770
63	1	A9N61519 ✓	775	2	A9N61539 ✓	1770

## 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

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

✓ NORMAL STOCK ITEMS

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## AC Residual Current Circuit Breakers - xID



- 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	2815	4	A9N16251	3830
	100	2	A9N16203	3000	4	A9N16253	3990
	300	2	A9N16202	3085	4	A9N16252	4110
40	30	2	A9N16204	3300	4	A9N16254	3840
	100	2	A9N16205	3495	4	A9N16255	4015
	300	2	A9N16206	3590	4	A9N16256	4170
63	30	2	A9N16208	3900	4	A9N16258	4450
	100	2	A9N16209	4120	4	A9N16259	4745
	300	2	A9N16210	4205	4	A9N16260	4765
80	30	2	A9N16212	6565	4	A9N16261	7700
	100	2	A9N16213	6550	4	A9N16262	7680
	300	2	A9N16214	6670	4	A9N16263	7725

## AC Residual Current Circuit Breakers (RCCBs) - ID



- 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	9290
		100	4	**A9R12491	9595
	125	30	4	16905	27615
		100	4	16906	28055
		300	4	16907	28575

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

## AC Residual Current Breaker Overload ( RCBO) - DPN N Vigi



- 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	4160
		300	2	A9N19681	4330
	10	30	2	A9N19663	4160
		300	2	A9N19683	4330
	16	30	2	A9N19665	4160
		300	2	A9N19685	4330
	20	30	2	A9N19666	4160
		300	2	A9N19686	4330
	25	30	2	A9N19667	4160
		300	2	A9N19687	4330
	32	30	2	A9N19668	4375
		300	2	A9N19688	4500
	40	30	2	A9N19669	5350
		300	2	A9N19689	5480

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

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

## 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	490
	63	2	6	A9S2P063	650
	80	2	6	A9S2P080	770
	100	2	6	A9S2P100	1115
	125	2	6	A9S2P125	1150
3	40	3	4	A9S3P040	855
	63	3	4	A9S3P063	1000
4	40	4	3	A9S4P040	1085
	63	4	3	A9S4P063	1185
	80	4	3	A9S4P080	1665
	100	4	3	A9S4P100	1680
	125	4	3	A9S4P125	1785

## 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	945
	2	2 C/O	2	6	A9E18071	1305
		1NO + 1NC	1	12	A9E18072	760
3	1	1 C/O	1	12	A9E18073	930
	2	2 C/O	2	6	A9E18074	1575

## 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	370
8..12V AC	1	A9A15323	310

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

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

## 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	1550
	16	2NO	1	A9C22712	1595
2P	25	2NO	1	A9C20732	1905
	40	2NO	2	A9C20842	3265
	63	2NO	2	A9C20862	4170
3P	25	3NO	2	A9C20833	2420
	40	3NO	2	A9C20843	5460
	63	3NO	3	A9C20863	5940
4P	25	4NO	2	A9C20834	2570
	40	4NO	2	A9C20844	5570
	63	4NO	3	A9C20864	6720
	63	2NO + 2NC	3	A9C20868	6720

Note: 100A Contactor in 2P / 4P - available on request

## 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	1000
	32	230-240 VAC	1NO	1	A9C30831	1255
2P	16	230-240 VAC	2NO	1	A9C30812	1645
	32	230-240 VAC	2NO	1	A9C30831 + A9C32836	3910
3P	16	230-240 VAC	1NO+1NO/NC+1NO	2	A9C30811 + A9C32816	3130
	32	230-240 VAC	1NO+1NO/NC+1NO	2	A9C30831 + 2 x A9C32836	6565
4P	16	230-240 VAC	4NO	2	A9C30814	3415
	32	230-240 VAC	4NO	2	A9C30831 + 3 x A9C32836	9220

## iIL Indicator Lights



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

Type	Colour	Module Width 18mm/module	Reference	Unit LP
Single Indicator light	Red	1	A9E18320	1025
	Green	1	A9E18321	1025
	Blue	1	A9E18323	1025
	Orange	1	A9E18324	1025
3 phase voltage presence light	Red/Red/Red	1	A9E18327	2290
Single Push Button (1 NO+ 1NC)	Grey	1	A9E18033	1525

**Note:** For all above Reference MOQ = 1  
Please contact Customer Care Center for Stockable and Non stockable status of references.

NORMAL STOCK ITEMS

W.E.F. December 29, 2016

## Surge Arresters - Type 1+ 2



- Complies to IEC 61643-1 and EN 61643-11
- Withdraw able type: Easy Replacement
- Inbuilt SPD health Indicator: Also available with remote signaling
- For protection against Direct lightning surge, Indirect lightning surge, Switching surge
- Iimp up to 25kA & Imax upto 40kA
- **Always use a Back-up MCB with your SPD**
- Maximum Operating Voltage [Uc]: 350V

Type	poles	Description	Module Width 18mm/module	Reference	Unit LP
PRD1 25r		1P	2	16329	10690
		1P + N	4	16330	23520
		3P	6	16331	35275
		3P + N	8	16332	43825

## 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 [Uc]: 340V
- Level of protection, Up: 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	3600
	230	1P+N	2	A9L08500	6730
	230/400	3P	3	A9L08300	9090
	230/400	3P+N	4	A9L08600	13730
iPRD8r	230	1P+N	2	A9L08501	8075
	230/400	3P+N	4	A9L08601	16480
iPRD20	230	1P	1	A9L20100	4035
	230	1P+N	2	A9L20500	8470
	230/400	3P	3	A9L20300	10845
	230/400	3P+N	4	A9L20600	15625
iPRD20r	230	1P+N	2	A9L20501	10070
	230/400	3P+N	4	A9L20601	18750
iPRD40	230	1P	1	A9L40100	4770
	230	1P+N	2	A9L40500	9750
	230/400	3P	3	A9L40300	14005
	230/400	3P+N	4	A9L40600	19535
iPRD40r	230	1P	1	A9L40101	5720
	230	1P+N	2	A9L40501	12580
	230/400	3P	3	A9L40301	18860
	230/400	3P+N	4	A9L40601	23440
iPRD65r	230	1P	1	A9L65101	7650
	230	1P+N	2	A9L65501	16030
	230/400	3P	3	A9L65301	20925
	230/400	3P+N	4	A9L65601	27155

## Spare Cartri\_DGes for iPRD



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

Type	Spare cartri_DGes for	Reference	Unit LP
iPRD 65-350	iPRD65r	A9L65102	4790
iPRD 40-350	iPRD40, iPRD40r	A9L40102	3685
iPRD 20-350	iPRD20, iPRD20r	A9L20102	2945
iPRD 8-350	iPRD8, iPRD8r	A9L08102	2580
iPRD Neutral	All products (1P+N, 3P+N)	A9L00002	3875

\*\*Spare Cartri\_DGes 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

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

**NORMAL STOCK ITEMS**

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## 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 cartri\_DGes 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 Discription	Module Width 18mm/module	Reference	Unit LP
iQuick PRD 8r	1P+N	4	A9L16298	9725
	3P	6.5	A9L16299	14295
	3P+N	7.5	A9L16300	17790
iQuick PRD 20r	1P+N	4	A9L16295	11670
	3P	6.5	A9L16296	17155
	3P+N	7.5	A9L16297	21345
Quick PRD 40r	1P+N	4	A9L16292	13625
	3P	6.5	A9L16293	20420
	3P+N	7.5	A9L16294	25385

Note: Spare / Replacement Cartri\_DGes 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 cartri\_DGes 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	7805
	1000	3	A9L40281	8915

Note: Spare / Replacement Cartri\_DGes 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	13455
PRC	130 V AC	1	A9L16337	8235

Note: For all above Reference MOQ = 1

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



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