



**Palazzoli**  
GROUP



Now **included**  
in the range:

AFDD/RCBO  
6kA Multi-pole  
MCBs

and more!



# CIRCUIT PROTECTION DEVICES

A comprehensive range of Circuit Protection Devices  
for modern & industrial installations

# INCOMERS

## MAIN SWITCH



RATED CURRENT	POLE	PART NUMBERS
100	3	EMS-1003P
	4	EMS-1004P
125	3	EMS-1253P
	4	EMS-1254P

## Technical Data

Rated Operational Voltage (Ue)	Category of Duty	Terminal Capacity	Standards
230/400V, 50Hz	AC22B	50mm <sup>2</sup>	EN60947-3

## RCCB - 4 Pole



RATED CURRENT	TYPE	TRIPPING THRESHOLD	PART NUMBERS
100	A	30mA	RCD10-100/30/4A
	A	100mA	RCD10-100/100/4A
	A [s]	100mA time delayed	RCD10-100/100/4S
	A	300mA	RCD10-100/300/4A



Scan to access the CPD course on RCCBs from our Lewden Academy

## Technical Data

Part No.	Type	Rated Operational Voltage (Ue)	Standard Tripping Time 1 x IΔn	Standard Tripping Time 5 x IΔn	Terminal Capacity	Standards
RCD10-100/30/4A	A	400V, 50Hz	<300ms	<40ms	35mm <sup>2</sup>	EN61008-1
RCD10-100/100/4A						
RCD10-100/300/4A						
RCD10-100/100/4S	A [s]*	400V, 50Hz	130-500ms	50 - 150ms	35mm <sup>2</sup>	EN61008-1

RCCB Type	Classification	Symbol	Type of load suited to	Examples
A	Suitable for use on pure AC and where pulsating DC exists up to 6mA		Equipment that features electronic components <b>Type A devices are also suitable for AC applications</b>	<ul style="list-style-type: none"> <li>Inverters</li> <li>Class 1 IT and multimedia equipment</li> <li>Power supplies for class 2 equipment</li> <li>Washing machines that are not frequency controlled</li> <li>Lighting controls such as electronic dimmer switches and building electronic systems</li> <li>LED drivers</li> <li>Induction hobs</li> <li>Electric vehicle charging where any smooth DC fault current is &lt;6mA</li> </ul>

# CIRCUIT PROTECTION - 10kA

## MCB's



RATED CURRENT	10 kA - B Trip Curve		10 kA - C Trip Curve			10 kA - D Trip Curve		
	1 POLE	3 POLES	1 POLE	2 POLES	3 POLES	1 POLE	2 POLES	3 POLES
6A	E10-1B06	E10-3B06	E10-1C06	E10-2C06	E10-3C06	E10-1D06	E10-2D06	E10-3D06
10A	E10-1B10	E10-3B10	E10-1C10	E10-2C10	E10-3C10	E10-1D10	E10-2D10	E10-3D10
16A	E10-1B16	E10-3B16	E10-1C16	E10-2C16	E10-3C16	E10-1D16	E10-2D16	E10-3D16
20A	E10-1B20	E10-3B20	E10-1C20	E10-2C20	E10-3C20	E10-1D20	E10-2D20	E10-3D20
25A	E10-1B25	E10-3B25	E10-1C25	E10-2C25	E10-3C25	E10-1D25	E10-2D25	E10-3D25
32A	E10-1B32	E10-3B32	E10-1C32	E10-2C32	E10-3C32	E10-1D32	E10-2D32	E10-3D32
40A	E10-1B40	E10-3B40	E10-1C40	E10-2C40	E10-3C40	-	-	-
50A	E10-1B50	E10-3B50	E10-1C50	E10-2C50	E10-3C50	-	-	-
63A	E10-1B63	E10-3B63	E10-1C63	E10-2C63	E10-3C63	-	-	-



Scan to access the CPD course on MCBs from our Lewden Academy

## Technical Data

Trip Curve	Rated Operational Voltage (Ue)	Terminal Capacity	Standards
B/C/D	230/400V 50/60Hz	25mm <sup>2</sup>	EN60898-1 & EN60947-2

## RCBO's - 1 Pole + unswitched neutral

Suitable for use in TN-S, TN-C-S & TT Network systems\*



RATED CURRENT	TYPE A	
	10 kA B Trip Curve 30mA	10 kA C Trip Curve 30mA
6A	RCBO10-06/30/1MBA	RCBO10-06/30/1MCA
10A	RCBO10-10/30/1MBA	RCBO10-10/30/1MCA
13A	RCBO10-13/30/1MBA	RCBO10-13/30/1MCA
16A	RCBO10-16/30/1MBA	RCBO10-16/30/1MCA
20A	RCBO10-20/30/1MBA	RCBO10-20/30/1MCA
25A	RCBO10-25/30/1MBA	RCBO10-25/30/1MCA
32A	RCBO10-32/30/1MBA	RCBO10-32/30/1MCA
40A	RCBO10-40/30/1MBA	RCBO10-40/30/1MCA
45A	RCBO10-45/30/1MBA	RCBO10-45/30/1MCA

## Technical Data

Type	Rated Operational Voltage (Ue)	Standard Tripping Time 1 x IΔn	Terminal Capacity	Neutral Lead Length	Standards
A	230V, 50Hz	<300ms	25mm <sup>2</sup>	600mm	EN61009-1

# CIRCUIT PROTECTION - 6kA

## MCB's - Multi-Pole



RATED CURRENT	1 Pole		2 Pole			3 Pole			4 Pole		
	B Trip Curve	C Trip Curve	B Trip Curve	C Trip Curve	D Trip Curve	B Trip Curve	C Trip Curve	D Trip Curve	B Trip Curve	C Trip Curve	D Trip Curve
6A	G06-1B06	G06-1C06	G06-2B06	G06-2C06	-	G06-3B06	G06-3C06	-	G06-4B06	G06-4C06	-
10A	G06-1B10	G06-1C10	G06-2B10	G06-2C10	-	G06-3B10	G06-3C10	-	G06-4B10	G06-4C10	-
16A	G06-1B16	G06-1C16	G06-2B16	G06-2C16	-	G06-3B16	G06-3C16	-	G06-4B16	G06-4C16	-
20A	G06-1B20	G06-1C20	G06-2B20	G06-2C20	-	G06-3B20	G06-3C20	-	G06-4B20	G06-4C20	-
25A	G06-1B25	G06-1C25	G06-2B25	G06-2C25	-	G06-3B25	G06-3C25	-	G06-4B25	G06-4C25	-
32A	G06-1B32	G06-1C32	G06-2B32	G06-2C32	-	G06-3B32	G06-3C32	-	G06-4B32	G06-4C32	-
40A	G06-1B40	G06-1C40	G06-2B40	G06-2C40	-	G06-3B40	G06-3C40	-	G06-4B40	G06-4C40	-
50A	G06-1B50	G06-1C50	G06-2B50	G06-2C50	-	G06-3B50	G06-3C50	-	G06-4B50	G06-4C50	-
63A	G06-1B63	G06-1C63	G06-2B63	G06-2C63	-	G06-3B63	G06-3C63	-	G06-4B63	G06-4C63	-
80A	-	-	T06-2B80	T06-2C80	T06-2D80	T06-3B80	T06-3C80	T06-3D80	T06-4B80	T06-4C80	T06-4D80
100A	-	-	T06-2B100	T06-2C100	T06-2D100	T06-3B100	T06-3C100	T06-3D100	T06-4B100	T06-4C100	T06-4D100
125A	-	-	T06-2B125	T06-2C125	T06-2D125	T06-3B125	T06-3C125	T06-3D125	T06-4B125	T06-4C125	T06-4D125

## Technical Data

Rated Operational Voltage (Ue)	Terminal Capacity	Standards
230V, 50Hz	16mm <sup>2</sup>	EN60898-1

## RCBO's - 1 Pole + unswitched neutral

Suitable for use in TN-S and TN-C-S & TT Network systems\*



RATED CURRENT	TYPE AC	
	B Trip Curve	C Trip Curve
6	RCBO-06/30/SPA	RCBO-06/30/1M/CA
10	RCBO-10/30/SPA	RCBO-10/30/1M/CA
16	RCBO-16/30/SPA	RCBO-16/30/1M/CA
20	RCBO-20/30/SPA	RCBO-20/30/1M/CA
32	RCBO-32/30/SPA	RCBO-32/30/1M/CA
40	RCBO-40/30/SPA	RCBO-40/30/1M/CA
50	RCBO-50/30/SPA	RCBO-50/30/1M/CA

## Technical Data

Type	Rated Operational Voltage (Ue)	Standard Tripping Time 1 x IΔn	Terminal Capacity	Neutral Lead Length	Standards
A	230V, 50Hz	300ms	16mm <sup>2</sup>	360mm	EN61009-1

## Compact RCBOs 30mA Switched Neutral



RATED CURRENT	TYPE A	
	B TRIP CURVE	C TRIP CURVE
6	RCBO-B06/30/1PNA	RCBO-C06/30/1PNA
10	RCBO-B10/30/1PNA	RCBO-C10/30/1PNA
16	RCBO-B16/30/1PNA	RCBO-C16/30/1PNA
20	RCBO-B20/30/1PNA	RCBO-C20/30/1PNA
32	RCBO-B32/30/1PNA	RCBO-C32/30/1PNA
40	RCBO-B40/30/1PNA	RCBO-C40/30/1PNA

### Technical Data

Type	RatedOperational Voltage (Ue)	Standard Tripping Time 1 x IΔn	Terminal Capacity	Neutral Lead Length	Standards
A	230V, 50Hz	300ms	16mm <sup>2</sup>	400mm	EN61009-1

## AFDD RCBOs



PART NUMBER	RATED CURRENT
P04-B06/30/1PNA	6A
P04-B10/30/1PNA	10A
P04-B16/30/1PNA	16A
P04-B20/30/1PNA	20A
P04-B32/30/1PNA	32A
P04-B40/30/1PNA	40A

### Technical Data

Type	RatedOperational Voltage (Ue)	Standard Tripping Time 1 x IΔn	Terminal Capacity	Neutral Lead Length	Standards
A	230V, 50Hz	300ms	16mm <sup>2</sup>	400mm	EN61009-1

# SURGE PROTECTION

## Type 1 Surge Protection Devices



PART NUMBERS	TYPE	VAC	DESCRIPTION
SRG1123	1, 2	230V	Single phase - Type 1, 2



SRG3123	1, 2	400V	Three phase - Type 1, 2
---------	------	------	-------------------------

### Technical Data

Nominal Discharge Current	Max Discharge Current	Earthing Systems	Voltage protection level	Standards
20kA 8/20uS	50kA 8/20uS	TN-C-S / TN-S / TT network systems	<1.3kV	EN61643-11

## Type 2 Surge Protection Devices



PART NUMBERS	TYPE	VAC	DESCRIPTION
SRG1V1G	2	230V	Single phase - Type 2



SRG3V1G	2	400V	Three phase - Type 2
---------	---	------	----------------------



Scan to access the CPD course on SPDs from our Lewden Academy

### Technical Data

Nominal Discharge Current	Max Discharge Current	Earthing Systems	Voltage protection level	Standards
20kA 8/20uS	40kA 8/20uS	TN-C-S / TN-S / TT network systems	1.25kV	EN61643-11

# ACCESSORIES

## MCB Accessories



**E10-SHT**  
• 230V  
AC/DC SHT

**E10-AUX**  
• Auxiliary Contact for 10kA  
MCB E10 range

### PART NUMBERS

E10-SHT

E10-AUX

Note: Cannot be mounted onto MCBs mounted on the TPN Busbar.

## MCB/RCBO/AFDD Padlock

Suitable for 6kA and 10kA MCB and RCBO in the "ON" or "OFF" position. Includes yellow, hazard indicator.  
Not suitable for incoming devices.



### PART NUMBER

MCBLOCK

## Installation Contactors

DIN Rail Mounted



RATED CURRENT	VOLTS	POLES	PART NUMBERS
20A	230V	2 N/O	IC20
40A		2 N/O	IC40/2
63A		4 N/O	IC63/4

IC20 max cable: 4mm sq  
IC40/2 max cable: 10mm sq  
IC63/4 max cable: 16mm sq

## Phase insulators

For blanking of unused outgoing ways  
Pack Qty: 100  
Fits directly to outgoing ways.  
For use in conjunction with CU-BL blanking strips



### PART NUMBER

PI

## Multi-Function Din Rail Blank

Increased safety blanks. Conceals unused ways.  
Fits directly in place of 1Pole MCB/RCBO to shroud unused outgoing ways. Suitable for use with both 6kA and 10kA breaker sets. Also compatible with Lewden single phase consumer units.

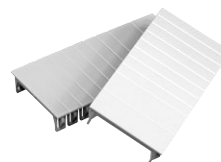


### PART NUMBER

MFDRB

## 18mm module blanks

For door cut out 2 x 6 ways strips



### PART NUMBER

CU-BL

