



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 ²	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

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 ²	EN61008-1
RCD10-100/100/4A						
RCD10-100/300/4A						
RCD10-100/100/4S	A [s]*	400V, 50Hz	130-500ms	50 - 150ms	35mm ²	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 Type A devices are also suitable for AC applications	• Inverters • Class 1 IT and multimedia equipment • Power supplies for class 2 equipment • Washing machines that are not frequency controlled • Lighting controls such as electronic dimmer switches and building electronic systems • LED drivers • Induction hobs • Electric vehicle charging where any smooth DC fault current is <6mA

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 ²	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 ²	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 ²	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 ²	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	Rated Operational Voltage (Ue)	Standard Tripping Time $1 \times I_{\Delta n}$	Terminal Capacity	Neutral Lead Length	Standards
A	230V, 50Hz	300ms	16mm ²	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	Rated Operational Voltage (Ue)	Standard Tripping Time $1 \times I_{\Delta n}$	Terminal Capacity	Neutral Lead Length	Standards
A	230V, 50Hz	300ms	16mm ²	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.

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

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

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.

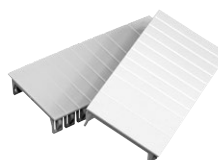


PART NUMBER

MFDRB

18mm module blanks

For door cut out 2 x 6 ways strips



PART NUMBER

CU-BL



Palazzoli
GROUP

For more information contact your
local Lewden Regional Sales Managers & agents

Rob Haworth
(+44) 7973 838465

Chris Smith
(+44) 7919 922910

Steven Main
(+44) 7436 228387

Matthew Porter
(+44) 2890 757191

Kate Knox
(+44) 7515 559 552

Jodie Williams
(+44) 7843 148215

Tony Howard
(+44) 7973 334647

Richard Cotton
(+44) 7399 521126

Tim Ketterer
(+44) 7557 655045

Lee Mallett
(+44) 7736 694876



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LEWDEN LTD
Unit 4, Bradbury Drive,
Springwood Industrial Estate,
Braintree
Essex
CM7 2SD

Tel.: +44 (0) 1376 336 200
sales@lewden.co.uk

www.lewden.com



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our team of expert engineers.