

MCB Distribution Boards

A Type and B Type



XBoard Consumer Units

XPole Miniature Circuit Breakers, RCDs and RCBOs

A + B Type Distribution Boards

Mini Panel Boards

Panel Boards

Product Catalogue and Selection Guide

A + B Type Distribution Boards

XPole – Miniature Circuit Breakers, RCDs, RCBOs and Installation Accessories

MOELLER



Think future. Switch to green.

A & B Type MCB Distribution Board

Moeller's MCB Distribution Board range has been developed to meet the needs of UK specifiers, electrical contractors and distributors, resulting in a high quality, value-for-money board that is versatile and easy to install, conforming to the latest British, European and international standards.



Fully reversible door
(glazed option)

Busbar stack rated at
125A for A Type boards and
250A for B Type boards

Removable and interchangeable
gland plates top and bottom (one
blank and one with knockouts)

Single piece copper
busbar eliminates
potential hotspots

Compact pan assembly
provides generous
wiring space

All terminal and fixing
screws use just one
screwdriver – a No 2
POZIE screwdriver

Removable pan
assembly with
keyhole fixings

Easily accessible
Earth and Neutral
bars

Neutral
disconnect

Multifunctional terminal area offers
a choice of direct connection and a
wide range of incoming devices

160A/250A main incomer
can be fitted with additional
incoming enclosure

MCB Distribution Boards – Type A

A-Type, Single Phase with 125A Busbar

Number of Outgoing Ways	Part Number	Height (mm)	Width (mm)	Depth (mm)
6	FG-A-06	285	220	150
12	FG-A-12	285	330	150
19	FG-A-19	285	480	150



Main Switch – 2 Pole

Rated Current I _n (A)	kA Rating	Part Number
63	10	IS-63/2
80	10	IS-80/2
100	10	Z-SM-100/2



Standard AC RCDs – 2 Pole

Rated Current I _n (A)	Tripping Current			
	30mA	100mA	300mA	500mA
80	PFIM-80/2/003	PFIM-80/2/01	PFIM-80/2/03	PFIM-80/2/05
100	PFIM-100/2/003	PFIM-100/2/01-A	PFIM-100/2/03	PFIM-100/2/05-A



Technical Data

Applicable Standard	BS EN 60439-3
Busbar Nominal Rating	125A
Busbar Short Circuit withstand	16kA
Rated Voltage	230V AC 50/60Hz
Limits of Operation	40°C ambient 50% RH
Maximum Incomer Rating	100A
Maximum Outgoing Device	63A
Ingress Protection	IP40 with door closed, IP2X with door open
Enclosure Steel Gauge	1.5mm
Paint Finish	RAL 7035 textured, epoxy powder coated
Gland Plate	1 blank and 1 with knockouts

Maximum Cable Capacity	
Neutral Bar	16mm ²
Earth Bar	16mm ²
Main Earth Termination	16mm ²
Incomers and Outgoers	
RCBO	25mm ²
RCD 63A	25mm ²
RCD 80A/100A	50mm ²
MCB	25mm ²
Switch Disconnectors	50mm ²

MCB Distribution Boards – Type B

B-Type, Three Phase with 250A Busbar

Number of Outgoing Ways	Part Number	Height (mm)	Width (mm)	Depth (mm)
4	FG-B-04	570	460	150
6	FG-B-06	570	460	150
8	FG-B-08	885	460	150
12	FG-B-12	885	460	150
18	FG-B-18	1140	460	150
24	FG-B-24	1140	460	150



Main Switch

Rated Current I _n (A)	kA Rating	2 Pole	3 Pole	4 Pole
100	10	Z-SM-100/2	Z-SM-100/3	Z-SM-100/4



Standard AC RCDs – 4 Pole

Rated Current I _n (A)	Tripping Current			
	30mA	100mA	300mA	500mA
80	PFIM-80/4/003	PFIM-80/4/01	PFIM-80/4/03	PFIM-80/4/05
100	PFIM-100/4/003	PFIM-100/4/01	PFIM-100/4/03	PFIM-100/4/05



Incoming Devices 25kA

For use with	Rated Current (A)	Description	Part Number
FG-B/INC-125	125	Switch Disconnecter	PSC1-125/3
FG-B/INC-125	125	Moulded Case Circuit Breaker	PMC1-125/3
FG-B/INC-250	250	Switch Disconnecter	PSC2-250/3
FG-B/INC-250	250	Moulded Case Circuit Breaker	PMC2-250/3



Technical Data

Applicable Standard	BS EN 60439-3
Busbar Nominal Rating	250A
Busbar Short Circuit Withstand	16kA 1.2sec / 22kA 0.5sec
Rated Voltage	415V AC 50/60Hz
Limits of Operation	40°C ambient 50% RH
Maximum Incomer Rating	Internal device 100A, external device 250A
Maximum Outgoing Device	63A
Ingress Protection	IP40 with door closed, IP2X with door open
Enclosure Steel Gauge	1.5mm
Paint Finish	RAL 7035 textured, epoxy powder coated
Gland Plate	1 blank and 1 with knockouts

Maximum Cable Capacity	
Neutral Bar	70mm ²
Earth Bar	70mm ²
Main Earth Termination	70mm ²
Incomers and Outgoers	
RCBO	25mm ²
RCD 63A	25mm ²
RCD 80A/100A	50mm ²
MCB	25mm ²
Switch Disconnectors – IS	50mm ²
MCCB/Switch Disconnectors	120mm ²

Accessories

Description / Used for		Part Number
Adapter kit to convert a TP&N board to a SP&N board		
FG-B		FG-TP/SP
Kit for installing neutral link for 2+4 Pole incomers		
FG-B		FG-B/K-4
Glazed Door		
FG-B4, FG-B6		FG-B/GD-04/06
FG-B8, FG-B12		FG-B/GD-08/12
FG-B18, FG-B24		FG-B/GD-18/24
Spreader boxes (without door)		
small		FG-B/ES
large		FG-B/EX
Incomer enclosure – supplied with connection leads		
use with PMC1/PSC1 – 125A rated		FG-B/INC-125
use with PMC2/PSC2 – 250A rated		FG-B/INC-250
Modular service box with DIN Rail and earth and neutral terminal bar		
8 module DIN rail		FG-MS-06
14 module DIN rail		FG-MS-12
21 module DIN rail		FG-MS-19
Busbar kit for N, PE and Clean PE		
2 x 13 terminals		FG-B/TS-04/06
2 x 22 terminals		FG-B/TS-08/12
2 x 40 terminals		FG-B/TS-18/24
Accessories for FGA/FGB		
Lock and key		FG-DOORLOCK
Busbar tag shrouds (pack of 20)		FG-BTS
Blanking strips (6 modules)		AP-45-W



Miniature Circuit Breakers

10kA – IEC 60897

Single Pole

Rated Current I _n (A)	B Type	C Type	D Type
6	PLSM-B6	PLSM-C6	PLSM-D6
10	PLSM-B10	PLSM-C10	PLSM-D10
16	PLSM-B16	PLSM-C16	PLSM-D16
20	PLSM-B20	PLSM-C20	PLSM-D20
25	PLSM-B25	PLSM-C25	PLSM-D25
32	PLSM-B32	PLSM-C32	PLSM-D32
40	PLSM-B40	PLSM-C40	PLSM-D40
50	PLSM-B50	PLSM-C50	–
63	PLSM-B63	PLSM-C63	–



Two Pole

Rated Current I _n (A)	B Type	C Type	D Type
6	PLSM-B6/2	PLSM-C6/2	PLSM-D6/2
10	PLSM-B10/2	PLSM-C10/2	PLSM-D10/2
16	PLSM-B16/2	PLSM-C16/2	PLSM-D16/2
20	PLSM-B20/2	PLSM-C20/2	PLSM-D20/2
25	PLSM-B25/2	PLSM-C25/2	PLSM-D25/2
32	PLSM-B32/2	PLSM-C32/2	PLSM-D32/2
40	PLSM-B40/2	PLSM-C40/2	PLSM-D40/2
50	PLSM-B50/2	PLSM-C50/2	–
63	PLSM-B63/2	PLSM-C63/2	–

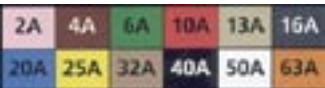


Three Pole

Rated Current I _n (A)	B Type	C Type	D Type
6	PLSM-B6/3	PLSM-C6/3	PLSM-D6/3
10	PLSM-B10/3	PLSM-C10/3	PLSM-D10/3
16	PLSM-B16/3	PLSM-C16/3	PLSM-D16/3
20	PLSM-B20/3	PLSM-C20/3	PLSM-D20/3
25	PLSM-B25/3	PLSM-C25/3	PLSM-D25/3
32	PLSM-B32/3	PLSM-C32/3	PLSM-D32/3
40	PLSM-B40/3	PLSM-C40/3	PLSM-D40/3
50	PLSM-B50/3	PLSM-C50/3	–
63	PLSM-B63/3	PLSM-C63/3	–



Toggle Colours



Combined RCD/MCB (RCBO)

Single Module (1+N)

Type B

Rated Current I _n (A)	Sensitivity			
	10mA	30mA	100mA	300mA
6	PKS6-6/1N/B/001	PKS6-6/1N/B/003	PKS6-6/1N/B/01	PKS6-6/1N/B/03
10	PKS6-10/1N/B/001	PKS6-10/1N/B/003	PKS6-10/1N/B/01	PKS6-10/1N/B/03
16	PKS6-16/1N/B/001	PKS6-16/1N/B/003	PKS6-16/1N/B/01	PKS6-16/1N/B/03
20	PKS6-20/1N/B/001	PKS6-20/1N/B/003	PKS6-20/1N/B/01	PKS6-20/1N/B/03
25	PKS6-25/1N/B/001	PKS6-25/1N/B/003	PKS6-25/1N/B/01	PKS6-25/1N/B/03
32	PKS6-32/1N/B/001	PKS6-32/1N/B/003	PKS6-32/1N/B/01	PKS6-32/1N/B/03
40	PKS6-40/1N/B/001	PKS6-40/1N/B/003	PKS6-40/1N/B/01	PKS6-40/1N/B/03



Type C

Rated Current I _n (A)	Sensitivity			
	10mA	30mA	100mA	300mA
6	PKS6-6/1N/C/001	PKS6-6/1N/C/003	PKS6-6/1N/C/01	PKS6-6/1N/C/03
10	PKS6-10/1N/C/001	PKS6-10/1N/C/003	PKS6-10/1N/C/01	PKS6-10/1N/C/03
16	PKS6-16/1N/C/001	PKS6-16/1N/C/003	PKS6-16/1N/C/01	PKS6-16/1N/C/03
20	PKS6-20/1N/C/001	PKS6-20/1N/C/003	PKS6-20/1N/C/01	PKS6-20/1N/C/03
25	PKS6-25/1N/C/001	PKS6-25/1N/C/003	PKS6-25/1N/C/01	PKS6-25/1N/C/03
32	PKS6-32/1N/C/001	PKS6-32/1N/C/003	PKS6-32/1N/C/01	PKS6-32/1N/C/03
40	PKS6-40/1N/C/001	PKS6-40/1N/C/003	PKS6-40/1N/C/01	PKS6-40/1N/C/03

Type D

Rated Current I _n (A)	Sensitivity 10mA
6	PKS6-6/1N/D/001
10	PKS6-10/1N/D/001
16	PKS6-16/1N/D/001
20	PKS6-20/1N/D/001

Control and Switching

Installation Relays

Control Voltage	Current AC1	Contacts	Module	Part Number
230V AC	20A	1N/O	1	Z-RE230/S
230V AC	20A	2N/O	1	Z-RE230/SS
230V AC	20A	1N/O+1N/C	1	Z-RE230/SO
24V AC	20A	2N/O	1	Z-RE24/SS
24V AC	20A	1N/O+1N/C	1	Z-RE24/SO
24VDC	20A	2N/O+2N/C	2	Z-RE23/2S2O



Installation Contactors

Control Voltage	Current AC1	Contacts	Module	Part Number
230V AC	25A	4N/O	2	Z-SCH230/25-40
230V AC	25A	4N/C	2	Z-SCH230/25-04
230V AC	25A	3N/O+1N/C	2	Z-SCH230/25-31
230V AC	25A	2N/O+2N/C	2	Z-SCH230/25-22
230V AC	40A	4N/O	4	Z-SCH230/40-40
230V AC	40A	3N/O+1N/C	4	Z-SCH230/40-31
230V AC	40A	2N/O+2N/C	4	Z-SCH230/40-22
230V AC	40A	2N/O	4	Z-SCH230/40-20
230V AC	63A	4N/O	4	Z-SCH230/63-40
230V AC	63A	3N/O+1N/C	4	Z-SCH230/63-31
230V AC	63A	2N/O+2N/C	4	Z-SCH230/63-22
230V AC	63A	2N/O	4	Z-SCH230/63-20
24V AC	25A	4N/O	2	Z-SCH24/25-40
24V AC	25A	2N/O+2N/C	2	Z-SCH24/25-22



Staircase Switch

Function	Current AC1	Contacts	Module	Part Number
with Stop function	16A	1C/O	1	TLE
with Stop and Alarm function	16A	1C/O	1	TLK



Light Intensity Switch

Function	Current AC1	Contacts	Module	Part Number
DIN-rail-mounting	16A	1N/O	1	DS-GS/1S
DIN-rail-mounting	16A	1C/O+timer	3	DS-GS/1W
Outdoor installation	10A	1N/O		DS-GK
Spare sensor for DS-GS				Z-DS/SENSOR
Cap for daylight 100–10,000 Lx				Z-DS/KAPPE



Analogue Time Switches

Drive	Program	Contacts	Chan/Mod	Part Number
Synchronous	Day	1N/O	1/1	Z-SGS/TA
Synchronous	Day	1C/O	1/3	SU-GS/1W-TA
Synchronous	Week	1C/O	1/3	SU-GS/1W-WO
Quartz	Day	1N/O	1/1	SU-GQ-TA
Quartz	Day	1C/O	1/3	SU-GQ/1W-TA
Quartz	Week	1C/O	1/3	SU-GQ/1W-WO
Quartz	Day + Week	2C/O	2/6	SU-GQ/2W-TW



Digital Time Switches

Drive	Program	Contacts	Chan/Mod	Part Number
Quartz	Day	1C/O	1/2	Z-SDM/1K-TA
Quartz	Week	1C/O	1/2	Z-SDM/1K-WO
Quartz	Week	2C/O	2/2	Z-SDM/2K-WO



Signalling Devices

Function	Voltage (AC)	Module	Part Number
Buzzer	230	1	Z-SUM230
Buzzer	24	1	Z-SUM24
Buzzer	12	1	Z-SUM12
Bell	230	1	Z-GLO230
Bell	24	1	Z-GLO24
Bell	12	1	Z-GLO12



Transformers 230V AC

Description	Secondary Voltage (V)	Secondary Current (A)	Module	Part Number
Bell (8VA)	8	1	2	TR-G/8
Bell (8VA)	4–8–12	1–1–0.67	2	TR-G3/8
Bell (8VA)	8	1	2	TR-G/8-S
Bell (18VA)	4–8–12	2–2–1.5	2	TR-G3/18
Bell (24VA)	12–24	2–1	3	TR-G2/24



Busbar Comb with Fork Connectors (1m length)

Description	Poles	Rating	Part Number
Busbar block	1p	63A	Z-GV-10/1P-1TE
Busbar block	3p	63A	Z-GV-10/3P-3TE
Busbar block	1p	80A	Z-GV-16/1P-1TE
Busbar block	3p	80A	Z-GV-16/3P-3TE
End cover cap	2+3p	63A	Z-AK-10/2+3P
End cover cap	2+3p	80A	Z-AK-16/2+3P

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