

# XBoard Consumer Units

stylish and easy to fit



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

**XBoard – Insulated and Metal Consumer Units**

**XPole – Miniature Circuit Breakers, RCDs and RCBOs**

**Multi-service Units and Enclosures**

**MOELLER**



Think future. Switch to green.

## Multi-Service Units and Enclosures

### TC Compact Insulated Enclosures without doors (IP30)

The TC range of insulated enclosures can be used for the installation of miniature circuit breakers, residual current devices and other modular devices.

Module Units	Part Number	Height (mm)	Width (mm)	Depth (mm)
1 + 1	TC-2	135	50	72
3 + 1	TC-4	160	90	78
6 + 2	TC-8	170	162	78



### Garage Units (IP55)

Made from an impact resistant and fire-retardant plastic, the hinged cover on these boxes can be locked, sealed or removed.

No of ways	Rated Current In (A)	Type of Incomer	Part Number	Height (mm)	Width (mm)	Depth (mm)
3	40	RCD 30mA	BC-G3R40	200	125	122
3	63	RCD 30mA	BC-G3R63	200	125	122
3	80	RCD 30mA	BC-G3R80	200	125	122
3	100	RCD 30mA	BC-G3R100	200	125	122
3	100	Main Switch	BC-G3	200	125	122



### Incoming Devices

Main Switch – 2 Pole

Rated Current (A)	Part Number
63	IS-63/2
100	IS-100/2



## Residual Current Devices

Moeller's PFIM residual current devices provide isolation, switching and earth leakage protection for electrical circuits. The table below includes the most popular items from Moeller's comprehensive range of RCDs; please enquire for any specialist applications requiring types A, S, S/A or U.

### Standard AC RCDs PFIM



Rated Current In (A)	Tripping Current (mA)	2 Pole	4 Pole
16	10	PFIM-16/2/001	
25	30	PFIM-25/2/003	PFIM-25/4/003
25	100	PFIM-25/2/01	PFIM-25/4/01
25	300	PFIM-25/2/03	PFIM-25/4/03
25	500	PFIM-25/2/05	PFIM-25/4/05
40	30	PFIM-40/2/003	PFIM-40/4/003
40	100	PFIM-40/2/01	PFIM-40/4/01
40	300	PFIM-40/2/03	PFIM-40/4/03
40	500	PFIM-40/2/05	PFIM-40/4/05
63	30	PFIM-63/2/003	PFIM-63/4/003
63	100	PFIM-63/2/01	PFIM-63/4/01
63	300	PFIM-63/2/03	PFIM-63/4/03
63	500	PFIM-63/2/05	PFIM-63/4/05
80	30	PFIM-80/2/003	PFIM-80/4/003
80	100	PFIM-80/2/01	PFIM-80/4/01
80	300	PFIM-80/2/03	PFIM-80/4/03
80	500	PFIM-80/2/05	PFIM-80/4/05

### Standard RCDs PFNM



Rated Current In (A)	Tripping Current (mA)	2 Pole	4 Pole
100	30	PFNM-100/2/003	PFNM-100/4/003
100	100		PFNM-100/4/01
100	300	PFNM-100/2/03	PFNM-100/4/03
100	500		PFNM-100/4/05

### Staircase Switch

Function	Part Number
Staircase switch	Z-TLG



### Transformers – 230V

Mu	Secondary Volt (V)	Secondary Current (A)	Part Number
2	4–8–12	1–1–0.67	TR-G3/8
2	4–8–12	2–2–1.3	TR-G3/18



### Analogue Timers

Drive	Programme	Channels	Part Number
Synchronous	Day	1	Z-SGS/TA
Quartz	Day	1	SU-GQ-TA
Quartz	Week	1	SU-GQ/2W-TW



### Digital Timers

Drive	Programme	Channels	Part Number
Quartz	Day	1	Z-SDM/1K-TA
Quartz	Week	1	Z-SDM/1K-WO
Quartz	Week	2	Z-SDM/2K-WO



### Installation Contactors – 230V Coil

Current AC1 (A)	Function	Part Number
25	4NO	Z-SCH230/25-40
25	3NO+1NC	Z-SCH230/25-31
40	4NO	Z-SCH230/40-40
40	3NO+1NC	Z-SCH230/40-31
63	4NO	Z-SCH230/63-40
63	3NO+1NC	Z-SCH230/63-31



### Accessories

Description	Part Number
Busbar tag shrouds (five pieces)	ZV-BS
Blanking strips for six modules	AP45W

**Moeller Electric Limited**  
**PO Box 35, Gatehouse Close**  
**Aylesbury**  
**Buckinghamshire HP19 8DH**

#### Direct sales ordering

tel 01296 397400  
 fax 01296 392413  
 email sales@moeller.co.uk

#### Technical support

tel 01296 310323  
 email support@moeller.co.uk

© Moeller Electric Limited 08/04  
 W0200-262GB  
 Article number: 640442

**MOELLER**



Think future. Switch to green.

## Consumer Units – Insulated

Moeller can custom assemble these boards, when ordered in quantity. Please ask for details.

### 2 Pole Main Switch Controlled

Number of outgoing ways	Rated Current In (A)	Part Number	Height (mm)	Width (mm)	Depth (mm)
2	100	BC-P2	225	172	111
6	100	BC-P6	225	244	111
10	100	BC-P10	225	316	111
12	100	BC-P12	225	351	111
18	100	BC-P18	225	457	111



### 2 Pole 30mA RCD Controlled

Number of outgoing ways	Rated Current In (A)	Part Number	Height (mm)	Width (mm)	Depth (mm)
2	40	BC-P2R40	225	172	111
2	63	BC-P2R63	225	172	111
6	63	BC-P6R63	225	244	111
6	80	BC-P6R80	225	244	111
10	63	BC-P10R63	225	316	111
10	80	BC-P10R80	225	316	111
12	63	BC-P12R63	225	351	111
12	80	BC-P12R80	225 <td 351	111	
18	80	BC-P18R80	225	457	111



### Split Load – 2 Pole 100A Main Switch / 30mA RCD Controlled

Number of outgoing ways	RCD ways available*	RCD Rated Current In (A)	Part Number	Height (mm)	Width (mm)	Depth (mm)
8	1–7	63	BC-P8SR63	225	316	111
8	1–7	80	BC-P8SR80	225	316	111
10	1–9	63	BC-P10SR63	225	351	111
10	1–9	80	BC-P10SR80	225	351	111
16	1–15	80	BC-P16SR80	225	457	111

\* Number of freely configurable RCD protected ways

### Dual Tariff – 2 x 2 Pole Main Switch Controlled

Number of outgoing ways	Rated Current In (A)	Part Number	Height (mm)	Width (mm)	Depth (mm)
10	100	BC-P10SS	225	351	111
16	100	BC-P16SS	225	457	111

## Consumer Units – Metal

Moeller can custom assemble these boards, when ordered in quantity. Please ask for details.

### 2 Pole Main Switch Controlled

Number of outgoing ways	Rated Current In (A)	Part Number	Height (mm)	Width (mm)	Depth (mm)
2	100	BC-M2	223	180	113
6	100	BC-M6	223	252	113
10	100	BC-M10	223	324	113
12	100	BC-M12	223	359	113
18	100	BC-M18	223	465	113



### 2 Pole 30mA RCD Controlled

Number of outgoing ways	Rated Current In (A)	Part Number	Height (mm)	Width (mm)	Depth (mm)
2	40	BC-M2R40	223	180	113
2	63	BC-M2R63	223	180	113
6	63	BC-M6R63	223	252	113
6	80	BC-M6R80	223	252	113
10	63	BC-M10R63	223	324	113
10	80	BC-M10R80	223	324	113
12	63	BC-M12R63	223 <td 359	113	
12	80	BC-M12R80	223	359	113
18	80	BC-M18R80	223	465	113



### Split Load – 2 Pole 100A Main Switch / 30mA RCD Controlled

Number of outgoing ways	RCD ways available*	RCD Rated Current In (A)	Part Number	Height (mm)	Width (mm)	Depth (mm)
8	1–7	63	BC-M8SR63	223	324	113
8	1–7	80	BC-M8SR80	223	324	113
10	1–9	63	BC-M10SR63	223	359	113
10	1–9	80	BC-M10SR80	223	359	113
16	1–15	80	BC-M16SR80	223	465	113

\* Number of freely configurable RCD protected ways

### Dual Tariff – 2 x 2 Pole Main Switch Controlled

Number of outgoing ways	Rated Current In (A)	Part Number	Height (mm)	Width (mm)	Depth (mm)
10	100	BC-M10SS	223	359	113
16	100	BC-M16SS	223	465	113

## Outgoing Devices

Moeller's comprehensive range of MCBs, RCDs and RCBOs offer outstanding performance in accordance with BS EN 60898.

### Miniature Circuit Breaker PLS6

Characteristic B  
Single Pole, 6kA



Rated Current In (A)	Part Number
2	PLS6-B2
6	PLS6-B6
10	PLS6-B10
13	PLS6-B13
16	PLS6-B16
20	PLS6-B20
25	PLS6-B25
32	PLS6-B32
40	PLS6-B40
50	PLS6-B50
63	PLS6-B63

### Combined RCD/MCB (RCBO) PKS6

Characteristic B Single Pole  
+ Neutral (conditionally  
surge current proof 250A,  
type AC 6kA)



Rated Current In (A)	30mA Sensitivity	100mA Sensitivity
6	PKS6-6/1N/B/003	PKS6-6/1N/B/01
10	PKS6-10/1N/B/003	PKS6-10/1N/B/01
13	PKS6-13/1N/B/003	PKS6-13/1N/B/01
16	PKS6-16/1N/B/003	PKS6-16/1N/B/01
20	PKS6-20/1N/B/003	PKS6-20/1N/B/01
25	PKS6-25/1N/B/003	PKS6-25/1N/B/01
32	PKS6-32/1N/B/003	PKS6-32/1N/B/01
40	PKS6-40/1N/B/003	PKS6-40/1N/B/01

### Miniature Circuit Breaker PLS6

Characteristic C  
Single Pole, 6kA



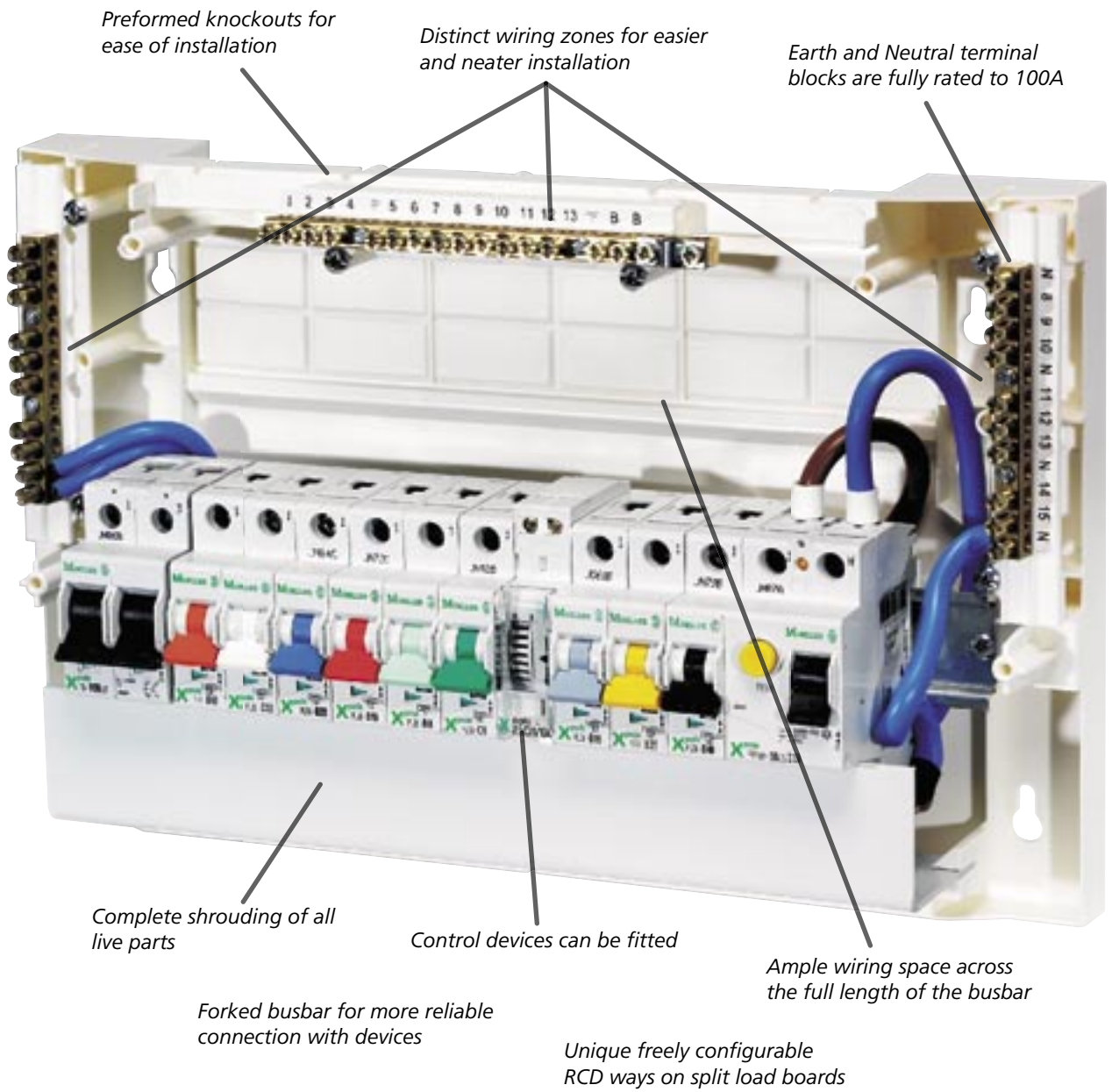
Rated Current In (A)	Part Number
2	PLS6-C2
6	PLS6-C6
10	PLS6-C10
13	PLS6-C13
16	PLS6-C16
20	PLS6-C20
25	PLS6-C25
32	PLS6-C32
40	PLS6-C40
50	PLS6-C50
63	PLS6-C63

### Combined RCD/MCB (RCBO) PKS6

Characteristic C Single Pole  
+ Neutral (conditionally  
surge current proof 250A,  
type AC 6kA)



Rated Current In (A)	30mA Sensitivity	100mA Sensitivity
6	PKS6-6/1N/C/003	PKS6-6/1N/C/01
10	PKS6-10/1N/C/003	PKS6-10/1N/C/01
13	PKS6-13/1N/C/003	PKS6-13/1N/C/01
16	PKS6-16/1N/C/003	PKS6-16/1N/C/01
20	PKS6-20/1N/C/003	PKS6-20/1N/C/01
25	PKS6-25/1N/C/003	PKS6-25/1N/C/01
32	PKS6-32/1N/C/003	PKS6-32/1N/C/01
40	PKS6-40/1N/C/003	PKS6-40/1N/C/01



Cover designed to stay open as required

Captive screw fixings

Pozidrive screwdriver fits all screws in the board and devices

Range of five frame sizes satisfies all common requirements

Units can be stacked vertically for larger applications

Deep lid fits easily onto base plate on the most uneven surface

Option for lockable lid

Attractive, modern IP40 enclosure

