

Brief Product Description

This range of RCB0 main switch consumer units offers a flexible solution for installations designed to BS 7671.

Available in 6, 9, 13 and 16 usable way configurations, each consumer unit is supplied complete with a 100A main switch, Type 2 SPD and Type A 30mA bidirectional double pole RCB0s.

MCBs, RCB0s, AFDDs, SPDs and control devices can be fitted within the consumer unit to suit the circuit requirements.

Lockable covers are available within the range. Please contact BG for more information.

Features

- 100A Main Switch
- Integrated Type 2 SPD
- Populated with Type A 30mA Bidirectional Double Pole (1P+N) RCB0s
- Available in 6, 9, 13 and 16 usable ways configurations
- Integrated spirit level
- Large rear knockouts (two rows)
- 40mm knockouts in the sides, top and base
- Cable clamp included
- Backed-out and retained terminal screws
- Lockable cover option available

Technical Specifications

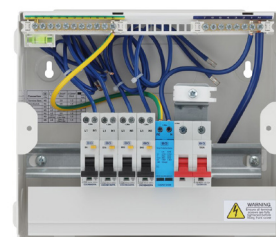
Installation Method	Surface Mounted
Number of Phases	1
Protection Options	MCB, RCB0, AFDD, SPD
IP Rating	IP2XC
Colour	White - RAL 9016 (Traffic White)
Main Switch Rated Current	100A
Rated Operational Voltage	230V
Frequency	50Hz
Rated & Insulation Voltage (Ui)	500V AC
Type of Supply Voltage	AC
Rated Impulse Withstand Voltage (Uimp)	4kV
Rated Conditional Short Circuit Current (Icc)	16kA
Pollution Degree	3
UV Stability	Yes
Main Switch Terminal Capacity	35mm ²
Main Switch Terminal Torque	2.5Nm
RCB0 Terminal Capacity	L - 16mm ² N-PE 10mm ²
RCB0 Terminal Torque	L - 2Nm N-PE 1.2Nm
Recommended Screwdriver Type	Pozidrive 2
Standards	Consumer Unit - BS EN 61439-3
	Main Switch - EN/IEC 60947-3
	RCB0 - EN/IEC 61009-1



Consumer Unit Part Codes

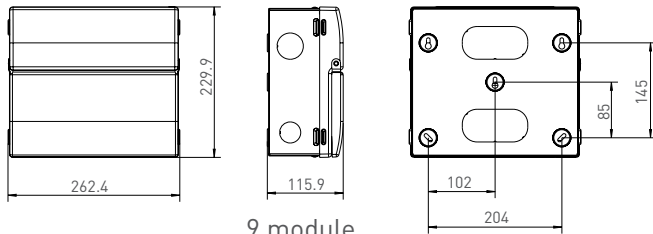
Cat No	Modules	Ways	Main Switch	RCB0 Qty	RCB0 Rating Configuration	B-Curve, Type-A	Cover Blanks
CF9MPS46DP	9	6	100A	4	1 x 6A, 1 x 16A, 1 x 32A, 1 x 40A	Y	2
CF9MPS66DP	9	6	100A	6	2 x 6A, 1 x 16A, 2 x 32A, 1 x 40A	Y	2
CF12MPS69DP	12	9	100A	6	2 x 6A, 1 x 16A, 2 x 32A, 1 x 40A	Y	4
CF12MPS89DP	12	9	100A	8	3 x 6A, 1 x 16A, 3 x 32A, 1 x 40A	Y	2
CF12MPS99DP	12	9	100A	9	3 x 6A, 2 x 16A, 3 x 32A, 1 x 40A	Y	2
CF16MPS613DP	16	13	100A	6	2 x 6A, 1 x 16A, 2 x 32A, 1 x 40A	Y	7
CF16MPS813DP	16	13	100A	8	3 x 6A, 1 x 16A, 3 x 32A, 1 x 40A	Y	5
CF16MPS1013DP	16	13	100A	10	3 x 6A, 2 x 16A, 4 x 32A, 1 x 40A	Y	3
CF19MPS1016DP	19	16	100A	10	3 x 6A, 2 x 16A, 4 x 32A, 1 x 40A	Y	6

Product Images



CF9MPS46DP

Dimensional Line Drawing



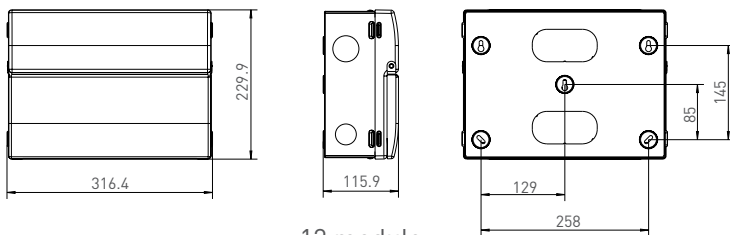
9 module

Dimensions of product (9 module)

Height: 229.9 mm

Width: 262.4 mm

Depth: 115.9 mm



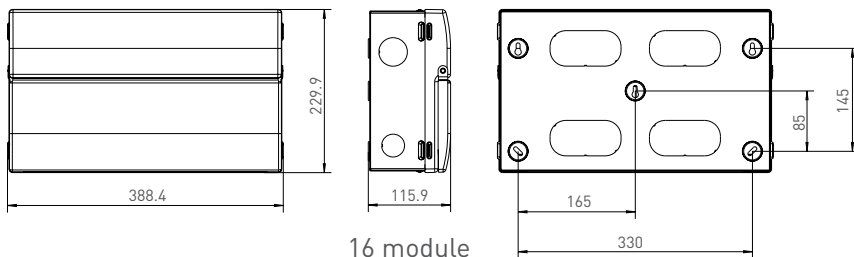
12 module

Dimensions of product (12 module)

Height: 229.9 mm

Width: 316.4 mm

Depth: 115.9 mm



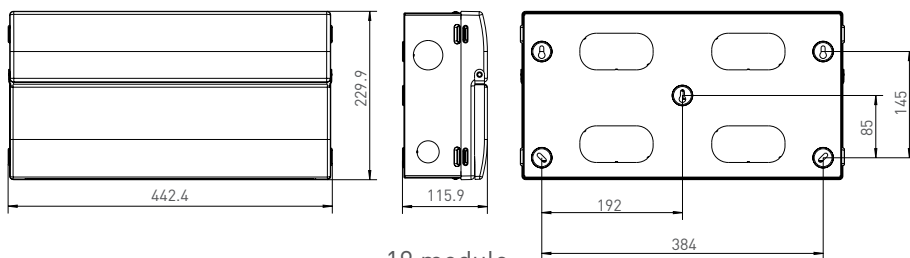
16 module

Dimensions of product (16 module)

Height: 229.9 mm

Width: 388.4 mm

Depth: 115.9 mm



19 module

Dimensions of product (19 module)

Height: 229.9 mm

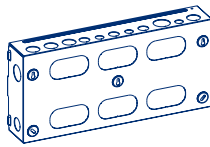
Width: 442.4 mm

Depth: 115.9 mm

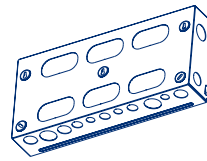
Consumer Unit Knockout Detail per face

Consumer unit	Top	Bottom	Base	Sides
6 Module	1 x 20mm, 3 x 32mm	1 x 20mm, 2 x 32mm, 1 x 40mm	2 x 100mm x 50mm	L - 1 x 32mm, 1 x 40mm R - 1 x 32mm, 1 x 40mm
9 Module	1 x 20mm, 1 x 25mm, 3 x 32mm	1 x 20mm, 1 x 25mm, 2 x 32mm, 1 x 40mm	2 x 100mm x 50mm	L - 1 x 32mm, 1 x 40mm R - 1 x 32mm, 1 x 40mm
12 Module	1 x 20mm, 1 x 25mm, 4 x 32mm	1 x 20mm, 1 x 25mm, 3 x 32mm, 1 x 40mm	2 x 100mm x 50mm	L - 1 x 32mm, 1 x 40mm R - 1 x 32mm, 1 x 40mm
16 Module	2 x 20mm, 1 x 25mm, 4 x 32mm, 1 x 40mm	2 x 20mm, 1 x 25mm, 3 x 32mm, 2 x 40mm	4 x 100mm x 50mm	L - 1 x 32mm, 1 x 40mm R - 1 x 32mm, 1 x 40mm
19 Module	3 x 20mm, 2 x 25mm, 4 x 32mm, 1 x 40mm	3 x 20mm, 2 x 25mm, 3 x 32mm, 2 x 40mm	4 x 100mm x 50mm	L - 1 x 32mm, 1 x 40mm R - 1 x 32mm, 1 x 40mm
22 Module	3 x 20mm, 3 x 25mm, 4 x 32mm, 1 x 40mm	3 x 20mm, 3 x 25mm, 3 x 32mm, 2 x 40mm	6 x 100mm x 50mm	L - 1 x 32mm, 1 x 40mm R - 1 x 32mm, 1 x 40mm

Top



Bottom



Rated Diversity Factor (RDF)/Values of assumed loading

Number of Outgoing	Assumed Loading
2 and 3	0.8
4 and 5	0.7
6 to 9 Inclusive	0.6
10 and Above	0.5

Note: RDF only applies to continuously and simultaneously loading circuits. In principle this means adjacent circuit breakers having a load 'on' time exceeding 30 minutes or where a load not exceeding 30 minutes has an 'off' time less than the 'on' time will need to have the rating diversity factor applied as indicated.

Maintenance

To maintain the high quality appearance of this product BG Electrical recommend the use of a soft damp cloth periodically to clean the surfaces

ONLY CLEAN THE OUTSIDE OF THE CONSUMER UNIT.

Guarantee

BG Electrical Circuit Protection products are guaranteed against faulty materials and workmanship for a period of 10 years from date of delivery.

Products will be repaired or (at BG Electrical's discretion) replacements will be supplied or (at BG Electrical's discretion) a credit note will be issued. This guarantee is subject to BG Electrical's conditions of sale and in particular to the following conditions being met.

1. Notification of any defect is given as soon as reasonably practicable after becoming apparent, and the products then returned to BG Electrical.
2. The products have only been operated under normal operating conditions and have only been subject to normal use.
3. No work (other than normal and proper maintenance) has been carried out to the products without BG Electrical's prior written consent.
4. The products have been assembled, or incorporated into other goods, by a qualified and recognised electrician and only in accordance with any instructions issued by BG Electrical.
5. The defect has not arisen from an item manufactured or supplied by a person other than BG Electrical.

This guarantee does not affect any customer statutory rights.

All components used in a BG Electrical enclosure, must be supplied by BG Electrical.

The use of any other components will negate compliance to BS EN 61439-3 and the BG Electrical guarantee. Failure to fit the enclosure in accordance with these instructions will invalidate the guarantee.

