

Brief Product Description

A range of consumer units specifically for Heat Pump installations. Compliant to BS7671 wiring regulations, the enclosure is both IP65 and fire rated, making it suitable for both internal and external installations.

A prebuilt unit comprising of a B+HP RCD, SPD & MCB contained within an anthracite grey enclosure with lockable cover.

Engineered to handle AC, DC, pulsed DC and high frequency currents associated with inverted driven BLDC motors. The B+HP RCD incorporates inbuilt surge to handle initial inverter startups and prevent nuisance tripping.

The Ingress Protection Rating of IP65 allows for an outdoor installation, providing protection against water and dust.

Features

- Type B+HP 63A RCD, 30mA (fitted)
- Type 2 SPD - 1 module (pre-wired)
- Single rear knockout
- 1 spare way
- Knockouts in sides, top & base
- Backed out and retained terminal screws
- B+HP Detection capability: 20kHz for high-frequency currents
- Minimum trip threshold: 150mA for high-frequency current >1 kHz

Technical Specifications

Installation Method	Surface Mounted
Number of Phases	1
Protection Options	B+HP RCD, T2 SPD, MCB
IP Rating	IP65
Colour	Anthracite Grey
Rated Current	63A
Rated Operational Voltage	230V
Supply 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
Recommended Screwdriver Type	Pozidrive 2
Standards	Enclosure - BS EN 62208-3 RCBO - IEC/EN 61009-1, IEC/EN 62423 MCB - IEC/EN 60898-1



Consumer Unit Part Codes

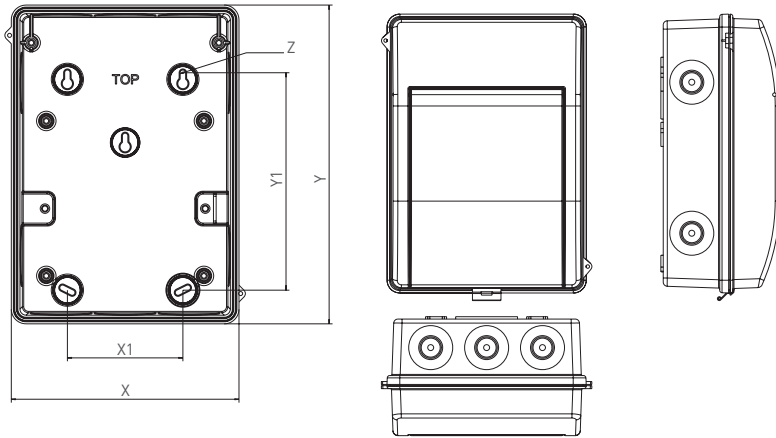
Cat No.	Modules	Ways	Supplied Devices
CF05HP1G	5 Module	2 Ways	1 x 63A B+HP RCD, 1 x SPD & 1 x 32A C Curve MCB
CF05HP2G	5 Module	2 Ways	1 x 63A B+HP RCD, 1 x SPD & 1 x 20A C Curve MCB

Product Images



CF05HP1G & CF05HP2G

Dimensional Line Drawing



Dimensions of Product (5 Module)

Height: 234.5mm
 Width: 167.5mm
 Depth: 100mm

Enclosure Sizes & Weights

Cat No.	Dimension (mm)			Fixing Centres (mm)			Package Weight (kg)
	X	Y	Depth	X1	Y1	Z	
CF05HP1G	167.5	234.5	100	85	160	ø5.5	1.56
CF05HP2G	167.5	234.5	100	85	160	ø5.5	1.56

Rated Diversity Factor (RDF)/Values of Assumed Loading

Number of Outgoing Circuits	Assumed Loading Factor
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.