

Brief Product Description

A compact IP66 rated 5-module weatherproof enclosure designed specifically for external electric vehicle charging installations. Supplied pre-populated with a 40A Type A 30mA RCD, 40A MCB and Type 2 Surge Protection Device, it provides dedicated protection for EV charging circuits where the supply cable does not have mechanical protection. Manufactured from durable insulated material and finished in anthracite grey, the enclosure is suitable for outdoor and harsh environmental conditions whilst offering reliable circuit protection and isolation.

Features

- IP66 rated weatherproof enclosure for outdoor installations.
- Specifically designed for EV charging circuit protection.
- Supplied complete with:
 - 1 x 40A 30mA Type A RCD
 - 1 x 40A MCB
 - 1 x Type 2 SPD (Surge Protection Device)
- Anthracite grey insulated enclosure.
- Quarter-turn cover screws.
- Padlock facility for added security.
- Backed-out and retained terminal screws for faster installation.
- Surface mounted design.
- Multiple cable entry knockouts.
- Designed for installations where the EV charger supply cable does not have mechanical protection.

Technical Specifications

Installation Method	Surface Mounted
Modules	5
Number of Ways	1
Number of Phases	1
Enclosure Rating	IP66
Colour	Anthracite Grey
Rated Operational Voltage	230V AC
Supply Frequency	50Hz
Rated Sensitivity	30mA
RCD Rating	40A
RCD Type	Type A
RCD Mechanism	Electro/Mechanical
MCB Rating	40A
Number of MCBs	1
SPD Type	Type 2
Number of Cable Entries	8
Number of Knockouts	8
Number of Wall Fixing Positions	4
Mounting Type	Surface
Terminal Screw Type	Combi
Backed-out and Captive Terminal Screws	Yes
Operating Temperature	-25°C to +40°C
Standards	Enclosure: BS EN 62208, MCB: IEC / EN 60898-1, RCD: IEC / EN 61008, SPD: IEC / EN 61643



Consumer Unit Part Code

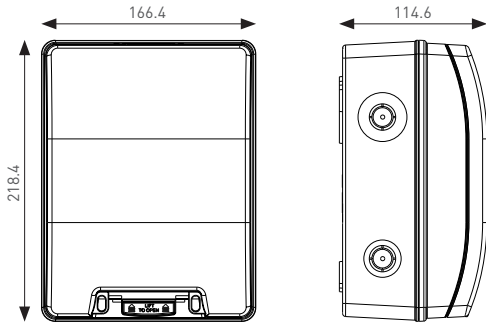
Cat No.	Description	Supplied Devices
CP5R4PS1G	Electric Vehicle Kit – 5 Module IP66 Weatherproof Enclosure	1 x 40A 30mA Type A RCD 1 x 40A MCB 1 x Type 2 Surge Protection Device



CP5R4PS1G

Product Images

Dimensional Line Drawing



Dimensions

Height: 218.4mm

Width: 166.4mm

Depth: 114.6mm

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.