

IP66 External EV Circuit Protection

Designed specifically for use with EV chargers to allow for external wiring applications. Compliant to latest 18th Edition AMD 4.

- **Weatherproof IP66 EV Enclosure:** Made from high-quality UV-stable plastic, it guarantees exceptional protection against dust and water, offers a more economical alternative to traditional metal units.
- **Versatile and Easy Installation:** Features a removable, raised DIN rail for fast first fix offering easier cable routing, combi-style screws for one-tool installation and multiple cable entries.
- **Intelligent Monitoring:** Easy to use Sync Energy app shows energy flow and usage with full control over how energy is used and stored. View tariff details, real time costs and savings with Tariff Sense
- **Dual Purpose for EV and Solar Charging:** Accommodates up to 5 modules and includes a 18mm blank, allowing for easy future expansion, making it a versatile choice for modern energy management.
- **Sync Energy's 10-Year Manufacturer's Warranty:** They guarantee against faulty materials and workmanship – giving you total peace of mind. BS/EN 61439-3, and BS7671 compliant.



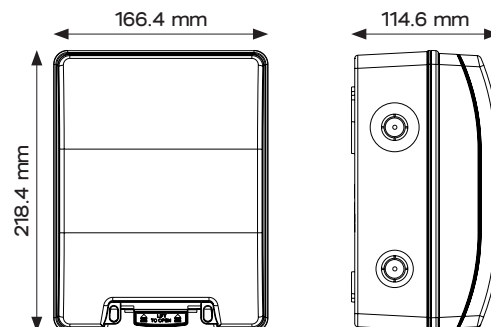
PART NO.	DESCRIPTION	INCOMER	IP RATING	MATERIAL	COLOUR
CP5MRDPS1G	1 x 40A 30mA RCBO Double Pole, Bidirectional Type A, 1 x 100A Main Switch, 1 x Type 2 SPD	100A Main Switch	IP66	PC Housing, UV Stable	Anthracite Grey, RAL 7016

COVER BLANKS 1 x 18mm (removable)

CUTOUTS & KNOCKOUTS **DRILLABLE - SIDES 20-40MM & 20-25MM 1 EACH SIDE, BOTTOM 20-25MM X 3 BASE 20-32MM x1**

COMPLIANCE 18th Edition BS7671 Amendment 4

STANDARDS **MAIN SWITCH IEC/EN 60947-3, MCB IEC/EN 60898, SPD IEC 61643-11, ENCLOSURE IEC 61439-3**



Technical Data

Bidirectional RCBO 1 Module Double Pole 6kA B & C Curve 30mA

Double pole bidirectional RCBO type A, providing superior protection for both circuits and people where current has the ability to flow in 2 directions through the device such as a PV/ Solar application.

The single module compact design will fit in any BG consumer unit or enclosure via a standard DIN rail fit.

Features

- Bidirectional
- Both pole isolation
- BS7671 Amendment 4 compliant device
- Pollution degree 3 tested
- -25°C - +40°C operating temperature range
- Single module
- Type A >6mA pulsed DC detection
- 6kA
- Available in 6-40A
- B & C Curve



Operating Temperature

The rated value of the current of a double pole bidirectional RCBO B curve characteristic refers to ambient temperature of 30°C. The following table contains the derating of the load capacity at ambient temperatures from -30°C to 70°C device characteristics.

	Maximum operating current at ambient temperature T																				
Rated Current In	-30	-25	-20	-15	-10	-5	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70
6	8.05	7.9	7.74	7.58	7.42	7.26	7.09	6.92	6.74	6.56	6.37	6.18	6	5.81	5.6	5.38	5.15	4.91	4.65	4.38	4.08

Technical Specifications (6A - 40A)

Bidirectional	Yes	Max operating voltage	264 V
Neutral position	Right	Rated impulse withstand voltage	4 kV
Number of poles	2 P	Rated residual operating current	30 mA
Type of pole	1P+N	RCD type	Type A
Fixing mode	DIN rail type 35mm	Total power loss under IN	18 W
Curve	B & C	Electric endurance in number of cycles	2,000
Rated operational voltage Ue	230 V	Number of mechanical operations	5,000
Pollution degree	3	Screw terminal	Yes - Pozidrive 2
Frequency	50 Hz	Terminal torque	L2 - 2Nm L1/N1 - 1.2Nm
Type of supply voltage	AC	Max cable capacity	L2 - 16mm L1/N1 - 10mm
Rated insulation voltage	400 V	Neutral cable length & size	480mm, 4mm

Technical Data

Type 2 Surge Protection Device

This Type 2 Surge Protection Device provides superior protection against Transient over voltages, by diverting the surge to earth within <25ns. And protecting all loads/circuits connected to the consumer unit.

Features

- Type 2 single phase
- Fully compliant to BSEN61643-11, BSEN62305 & BSEN7671
- Single module
- 40kA
- Max back up fuse 100A gG
- Positive contact status indicator
- Compact size
- Suitable for domestic installations

Technical Specifications

Standards	BSEN61643-11, BSEN62305	Recommended back up fuse	100A gG
Maximum continuous voltage UCV	275V	Terminal capacity	1.5mm - 6mm ²
Voltage protection level	<1.5kV	Terminal Torque	L - 3Nm N/PE 1.2Nm
Nominal discharge current(in)	L-N 20kA, N-PE 20kA Max discharge L-N 40kA N-PE 40kA	Din rail mountable	Yes
Response time	<25ns	Visual indication of status	Green: OK Red: Replace Device

