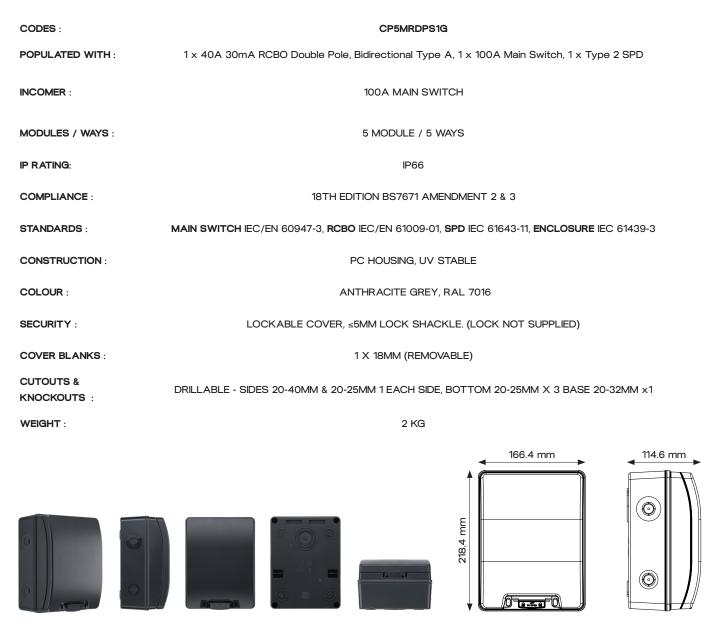


IP66 External EV Circuit Protection

Specification Sheet

Designed specifically for use with EV chargers to allow for external wiring applications. Compliant to latest 18th Edition Amd 3.

RANGE FEATURES & SPECIFICATIONS



View the full range at www.sync.energy

Technical Data Bidirectional RCBO 1 Module Double Pole 6kA 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 3 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
Neutral position	Right
Number of poles	2 P
Type of pole	1P+N
Fixing mode	DIN rail type 35mm
Curve	B&C
Rated operational voltage Ue	230 V
Pollution degree	3
Frequency	50 Hz
Type of supply voltage	AC
Rated insulation voltage	400 V

Max operating voltage Rated impulse withstand voltage Rated residual operating current RCD type Total power loss under IN Electric endurance in number of cycles Number of mechanical operations Screw terminal Terminal torque Max cable capacity Neutral cable length & size 264 V 4 kV 30 mA Type A 18 W 2,000 5,000 Yes - Pozidrive 2 L2 - 2Nm L1/N1 - 1.2Nm L2 - 16mm L1/N1 - 10mm 480mm, 4mm

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Standards IEC/EN61009-01 EN1822 Amendment 3

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

BSÉN62305 & BSEN7671

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

Terminal capacity

Terminal Torque

Din rail mountable

Recommended back up fuse

Visual indication of status



100A gG 1.5mm - 6mm² L - 3Nm N/PE 1.2Nm Yes Green: OK Red: Replace Device

Standards Maximum continuous voltage UCV Voltage protection level

Nominal discharge current(in)

Technical Specifications

Response time

BSEN61643-11, BSEN62305 275V <1.5kV L-N 20kA, N-PE 20kA Max discharge L-N 40kA N-PE 40kA <25ns

