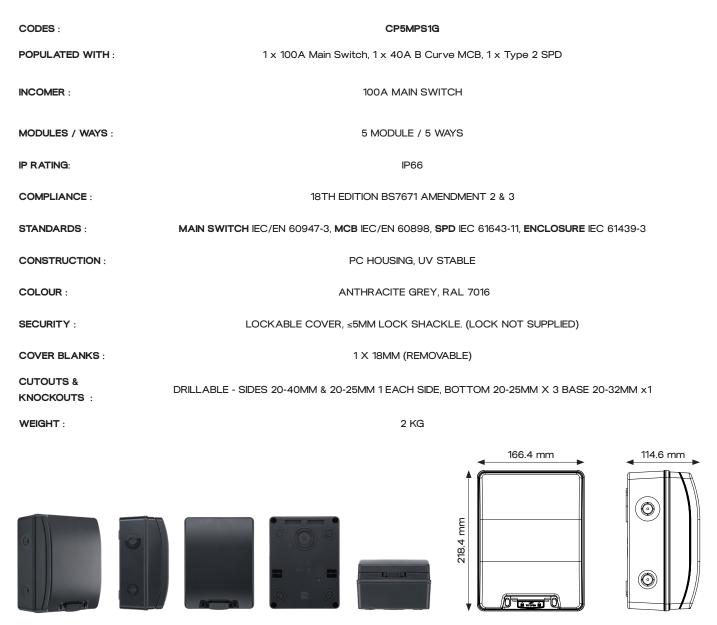


IP66 External EV Circuit Protection

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 40A 6KA B curve MCB

Single pole bidirectional MCB B & C curve 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 DIN rail fit.

Features

- Available in B & C curve
- Single module
- 6kA breaking capacity
- Available from 6A to 40A and 45A to 55A (tall body)
- · Positive contract status indication
- Bidirectional
- -25°C +40°C operating temperature range





Technical Specifications

Standard(s)
Bidirectional
Number of poles
Type of pole
Fixing mode
Curve
Operating temperature range
Rated Operational Voltage Ue
Frequency
Type of supply voltage
Rated Insulation voltage

IEC/EN 60898 Yes 1 DIN rail type 35mm B & C -25°C - +40°C 230V 50Hz AC 500V

- Max Operating Voltage Rated impulse withstand voltage Electrical endurance in number of cycles Number of mechanical operations Screw terminal Terminal Torque Max cable Capacity
- 264V 6kV 4,000 10,000 Yes - Pozidrive 2 2.0Nm 6-20 A 16mm, 32-55A 25mm

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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
- Single module
- Fully compliant to BSEN61643-11, 40kA BSEN62305 & BSEN7671 Max h
 - Max back up fuse 100A gG

BSEN61643-11, BSEN62305

- 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 L - 3Nm N/PE 1.2Nm Green: OK Red: Replace Device

Response time

Voltage protection level

Standards

Maximum continuous voltage UCV Nominal discharge current(in) discharge L-N 40kA N-PE 40kA

Technical Specifications