



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

CODES :	CP5MPS1G
POPULATED WITH :	1 x 100A Main Switch, 1 x 40A B Curve MCB, 1 x Type 2 SPD
INCOMER :	100A MAIN SWITCH
MODULES / WAYS :	5 MODULE / 5 WAYS
IP RATING:	IP66
COMPLIANCE :	18TH EDITION BS7671 AMENDMENT 2 & 3
STANDARDS :	MAIN SWITCH IEC/EN 60947-3, MCB IEC/EN 60898, SPD IEC 61643-11, ENCLOSURE IEC 61439-3
CONSTRUCTION :	PC HOUSING, UV STABLE
COLOUR :	ANTHRACITE GREY, RAL 7016
SECURITY :	LOCKABLE COVER, ≤5MM LOCK SHACKLE. (LOCK NOT SUPPLIED)
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
WEIGHT :	2 KG



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 contact status indication
- Bidirectional
- -25°C - +40°C operating temperature range



Technical Specifications

Standard(s)	IEC/EN 60898
Bidirectional	Yes
Number of poles	1
Type of pole	L
Fixing mode	DIN rail type 35mm
Curve	B & C
Operating temperature range	-25°C - +40°C
Rated Operational Voltage Ue	230V
Frequency	50Hz
Type of supply voltage	AC
Rated Insulation voltage	500V

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



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
Maximum continuous voltage UCV	275V
Voltage protection level	<1.5kV
Nominal discharge current(in)	L-N 20kA, N-PE 20kA Max discharge L-N 40kA N-PE 40kA
Response time	<25ns

Recommended back up fuse	100A gG
Terminal capacity	1.5mm - 6mm ²
Terminal Torque	L - 3Nm N/PE 1.2Nm
Din rail mountable	Yes
Visual indication of status	Green: OK Red: Replace Device

