

Product Code	Product Range	Issue No.	Issue Date	Issue By
OPBX16S2	Proteus EV	A	01-06-2022	T.T.

Description

200A, 16 way triple pole MCB board with PEN conductor protection.

Features

Open PEN conductor protection.
5 pole switching, 3 phases, neutral and earth for complete isolation.
Earth rods are not necessary when using O-PEN® technology.
Automatic re-closure of 5 pole MCB after restoration of healthy supply.
Standard Proteus range MCB's and RCBO's can be fitted.
Compact design.



General Characteristics

Standards	BSEN 61439 -1 and 3.
Current Rating	200A.
Voltage Rating	230 / 400V ac.
Rated Frequency	50Hz
Fault Current Rating	10kA Icc (200A remote protection required).
Type	MCB distribution board.
IP Rating	3X
Pollution Degree	3
No. of Poles	4
Incomer Terminal Capacity	95mm.sq. maximum.
Terminal torque	20Nm - M8 bolt.
Ui	500V
Approx. weight kg	44
Cable direction	In bottom. Out top.

Operation.

The O-PEN unit monitors the PEN conductor, and if open circuit trips the 5 pole MCB, isolating the supply. It switches 3 phases, neutral and dedicated EVC earth bar. The EVC earth cable(s) MUST be connected to EVC earth bar only. No other connections should be made to this earth.

The 5 pole MCB's are fitted with an undervoltage release and will trip on loss of supply for any reason.

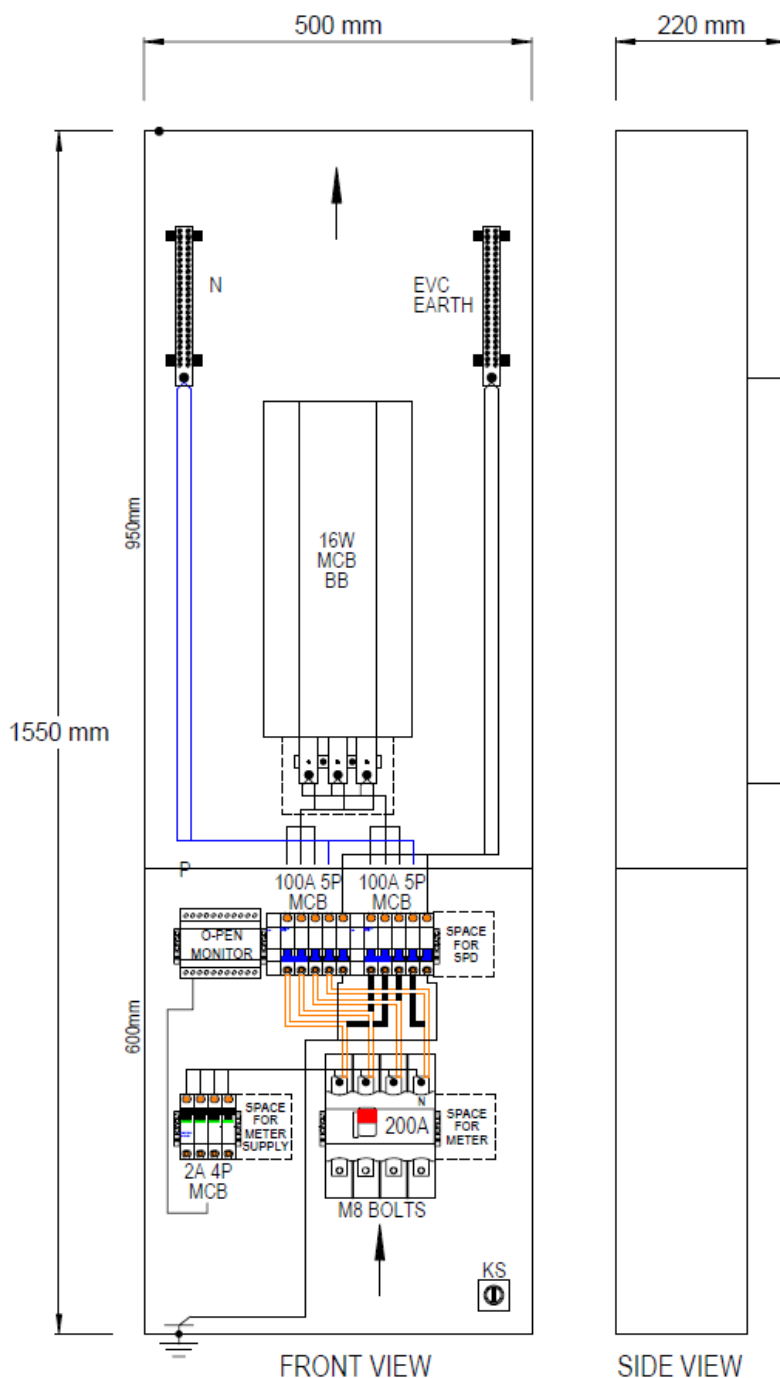
Manual reset is required by switching off the supply to the 5 pole MCB and then re-instating.

A test key switch is fitted to allow testing of the trip circuit.

To reset the O-PEN devices requires switching OFF the Control Circuit / Reset MCB and switching back ON.

When using metal sheathed cable the sheath must be earthed at the panel, not the EV charger. At the EVC an insulated gland must be used. The EV charger earth must only be connected to the dedicated EVC earth bar within the panel.

Proteus Data Sheet



Outgoing devices ordered separately.

Please refer to Device data sheet for further information.

6 to 63A SP and TP MCB's, B, C & D curve. 6A to 45A single module, single pole RCBO's, B & C curve, type A 30mA.

Compact RCBO's, 6A to 40A double pole, B & C curve, type A 30mA, single module with L and N switching (2 pole).

Isolator and MCB dolly locks available.

Top mounted enclosures for RCD's – Type A and B, 2 and 4 poles.

Options for surge arrestors and meter.