

Product Code	Issue Number	Issue Date	Issue Reference
OEV/04/200	1	15/07/22	

Product Description	Dist Board EV 4 Way 200A O-PEN
Number of Poles	4
Standards	BSEN 61439 - 1 and 3
Current Rating	200A
Voltage Rating	230 / 400V ac.
Rated Frequency	50Hz
Fault Current Rating	10kA Icc (100A remote protection required)
Type	MCB distribution board
IP Rating	3X
Pollution Degree	3
Incomer Terminal Capacity	95mm.sq. maximum
Terminal Torque	20Nm - M8 Bolt
Ui	500V
Approx. weight kg	36
Cable Direction	In Bottom. Out Top
Height x Width x Depth	1100mm x 500mm x 220mm

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.
- MCB's and RCBO's can be fitted.
- Compact design.



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.

Outgoing devices ordered separately