

Protector accessories

Metallic Enclosure Series



Metallic enclosures for the convenient installation of Electronic Systems Protection (ESP) DIN rail mounted single and three phase power Surge Protection Devices (SPDs).

Features & benefits

- High quality steel enclosure, for safe and secure mounting of ESP DIN rail mounted SPDs.
- Spacious design with extra wiring space to aid SPD installation and maintenance

Application

- Use MBX enclosures when your ESP SPD cannot be installed within the existing equipment panel or enclosure.

Metallic Enclosure Series - Technical specification

Part no.	MBX D4	MBX D8
ABB order code	7TCA085400R0649	7TCA085400R0650
Weight: – Unit	1.47kg	1.99kg
– Packaged	1.6kg	2.16kg
Dimensions (mm)		
Length: – External	268	268
Width: – External	134	208
Depth: – External	104	104
Fixing centres (mm):	201 x 66.5 (3 holes)	201 x 137 (4 holes)
IP Rating:	IP20	IP20
Temperature range:	-40 to +80°C	-40 to +80°C
Product available width:	73.5mm (4TE)	146mm (8TE)

MBX D4 Use for SPDs up to 4TE wide (72mm):

- ESP T1 series SPDs, such as the ESP 415T1/25/TNS (use low height DIN rail supplied to mount T1 series SPD within enclosure)
- ESP T2 series SPDs, such as the 2TE wide (36mm) ESP 240T2/50/TT (use supplied blanking plates to cover exposed 2TE opening in inspection window. Use tall height DIN rail supplied to mount T2 series SPD within enclosure)
- ESP 240/XXX/ single phase series or ESP 415/XXX/TNS or TNC three phase series (use supplied blanking plates to cover exposed opening inspection window, SPD is mounted on tall height DIN rail supplied)
- A single phase D1 series SPD, such as the ESP 240D1 (use low height DIN rail supplied to mount SPD within enclosure) series or ESP 415/XXX/TNS or TNC three phase
- ESP CD40 series SPDs, such as the ESP 415CD40 (use low height DIN rail supplied to mount SPD within enclosure)

MBX D8 Use for SPDs up to 8TE wide (144mm):

- ESP 415/I/TT (5TE wide - use supplied blanking plates to cover exposed 3TE in inspection window. Use tall height DIN rail to mount the unit within the enclosure)
- A three phase D1 series SPD, such as the ESP 415D1 - use low height DIN rail supplied to mount SPD within enclosure

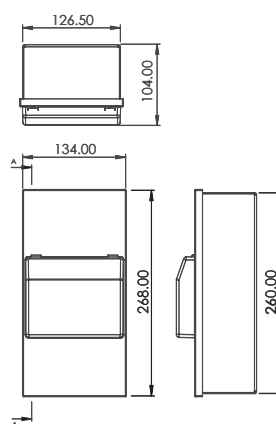


- Hinged inspection lid for easy inspection of ESP SPD status indication
- Supplied complete with two heights of DIN rail (to suit both tall and shorter depth SPDs), inspection window blanking plates and earth link wire (between base and lid)

Installation

Once the enclosure has been prepared (conduit entries etc) and mounted securely to a flat surface, select the correct height DIN rail (2 are supplied) to suit the SPD to be installed within the enclosure (see application table below). Mount the SPD onto the DIN rail (simply click onto the DIN rail to lock SPD into position). Make all necessary electrical connections to the SPD. Ensure an earth connection is made from the earth stud in the base of the enclosure to the earth stud of the enclosure lid using the earth wire supplied. Secure the lid to the base and ensure no live parts are exposed in the inspection window - use supplied blanking plates if necessary.

Dimensions (mm)
MBX D4



Dimensions (mm)
MBX D8

