



Protecta Plus MCB Distribution Board

Generated on 16.02.2020

Detailed description

Type B distribution boards. The range consists of distribution boards for wall mounting in six heights from 590–1360 mm, 450 mm in width and in depths starting from 125 mm, ensuring the development of multiple solutions. Protecta Plus system is easy to design, quick to assemble and reliable to apply.

Product guidance - As Standard

Housing and door:

- Material: Cold rolled sheet steel, 1 mm thickness.
- Colour: RAL 7035.
- Coating: Electrostatic powder-coating with textured finish.
- Opening angle: 180°.
- Position of knockouts: Top and bottom.
- Type of door closure: Latch (optional lock).

Technical characteristics:

- Standards: To BS EN 61439-1 and BS EN 61439-2.
- Maximum load: 250 A at ambient temperature 35°C.
- Rated operational voltage (Ue): 415 V a.c.
- Rated frequency: 50/ 60 Hz.
- Rated insulation voltage (Ui): 690 V.
- Rated conditional short circuit current (Icc): 35 kA.
- Neutral size: 2 brass bar each size (7 x 10 mm).
- Earth size: 2 brass bar each size (7x 10 mm).
- Degree of IP protection: With door: IP43; pan assembly: IP20.
- Mechanical impact strength: IK07.
- Incoming cable connections: 125 A: >50 mm; 160 A: >70 mm; 250 A: >95 mm.
- Row type boards EPP-R2036, EPP-R3054, EPP-R4072, EPP-R5090, EPP-R6108 and EPP-R7126 may be used as 'standalone' distribution boards or they may be used as side extension boxes.

Dimensions (h x w x d):

- Distribution boards:

- EPP-W304: 590 x 450 x 125 mm.
- EPP-W308: 730 x 450 x 125 mm.
- EPP-W312: 870 x 450 x 125 mm.
- EPP-W316: 1050 x 450 x 125 mm.

ABB Group (Sales Department)



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- EPP-W320: 1220 x 450 x 125 mm.
- EPP-W324: 1360 x 450 x 125 mm.
- EPP-R2036: 590x 450 x 125 mm.
- EPP-R3054: 730 x 450 x 125 mm.
- EPP-R4072: 870 x 450 x 125 mm.
- EPP-R5090: 1050 x 450 x 125 mm.
- EPP-R6108: 1220 x 450 x 125 mm.
- EPP-R7126: 1360 x 450 x 125 mm.

- Extension boxes:

- EPP-EB20: 200 x 450 x 130 mm.
- EPP-EB40: 400 x 450 x 130 mm.
- EPP-R1016: 200 x 450 x 130 mm.
- EPP-R2032: 400 x 450 x 130 mm.

Product specification

Manufacturer

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Product reference	Protecta Plus MCB Distribution Boards
Type	EPP-W304 - 4 way Protecta Plus DB. EPP-W308 - 8 way Protecta Plus DB. EPP-W312 - 12 way Protecta Plus DB. EPP-W316 - 16 way Protecta Plus DB. EPP-W320 - 20 way Protecta Plus DB. EPP-W324 - 24 way Protecta Plus DB. EPP-R2036 - 2 DIN rails, 36 modules. EPP-R3054 - 3 DIN rails, 54 modules. EPP-R4072 - 4 DIN rails, 72 modules.



EPP-R5090 - 5 DIN rails, 90 modules.
EPP-R6108 - 6 DIN rails, 108 modules.
EPP-R7126 - 7 DIN rails, 126 modules.

Extension boxes

Not required
EPP-EB20 - Plain extension box.
EPP-EB40 - Plain extension box.
EPP-R1016 - Hinged door with 1 DIN rail, 16 modules.
EPP-R2032 - Hinged door with 2 DIN rails, 32 modules.

Accessories

- Neutral bars

Not required
EPP-N-09
EPP-N-13
EPP-N-17
EPP-N-21

- Protective earth bars

Not required
EPP-PE-09
EPP-PE-13
EPP-PE-17
EPP-PE-21

- Terminal covers

EPP-TC - Top shroud.
EPP-MTC04 - Mains terminal shroud - 4 way.
EPP-MTC08 - Mains terminal shroud - 8 way.
EPP-MTC12 - Mains terminal shroud - 12 way.
EPP-MTC16 - Mains terminal shroud - 16 way.
EPP-MTC20 - Mains terminal shroud - 20 way.
EPP-MTC24 - Mains terminal shroud - 24 way.

- Labels for outgoing circuits

EPP KIT-LAB04W - 4 way.
EPP KIT-LAB08W - 8 way.
EPP KIT-LAB12W - 12 way.
EPP KIT-LAB16W - 16 way.
EPP KIT-LAB20W - 20 way.
EPP KIT-LAB24W - 24 way.

- Blanks

EPP-BP1 - MCB blank, RAL 7035 Grey.
EPP-BP1B - MCB blank, RAL 9004 Black.

- Locking

EPP-LK KEY - Lock and key.
SA1 - Padlock adaptor.
SA2 - Padlock complete with two keys.



- Connections

Not required

EPP-KIT JOIN - Side by side connection kit.

EPP-KIT-1251P - 125 A single phase connection kit.

EPP-KIT-2501P - 250 A single phase connection kit.

- Gland and adaptor plates

Not required

EPP-TRADT - Trunking adaptor plate.

EPP-GP-B - Gland plate plain.

EPP-GP-GKO - Gland plate knock outs.