

Junction Boxes

for EMK & EKL medium/premium Ex



Polyester enclosures have proven their worth in many industrial plants. They offer safe protection even when they are used under extremely unfavorable conditions, on exposure to aggressive chemical media or hard mechanical conditions.

The inside base of the enclosure has at its sides, threaded bushings for the fastening of mounting rails or panels. The enclosure is mounted by means of insulated screws outside of the lid seal.

- Temperature-resistant
- Flame-retardant
- For use in hazardous areas with surface resistance $< 10^9 \Omega$
- Absolutely corrosion-proof
- Seawater-proof

Technical data

Material	glass-fiber reinforced polyester, surface resistance <math> < 10^9 \Omega </math>
Colour	RAL 9005, black
Mechanical resistance	impact energy 7 Nm
Protection class (EN 60529/IEC 60529)	IP 66/67
Supply voltage	550 V
Ambient temperature range	-55 °C to +40 °C (T6) -55 °C to +55 °C (T5)
Lid screws	Stainless steel cross slot (+ -)

Explosion protection

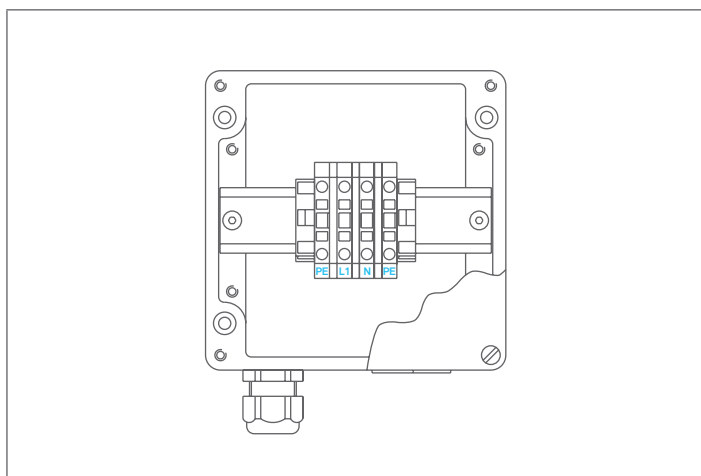
Marking	Ⓔ II 2G Ex eb IIC T6 or T5 Gb Ⓔ II 2D Ex tb IIIC T80 °C, T95 °C Db
Certification	IBExU 12 ATEX 1099X IECEx IBE 12.0031X

Other approvals and certificates, see bartec.com

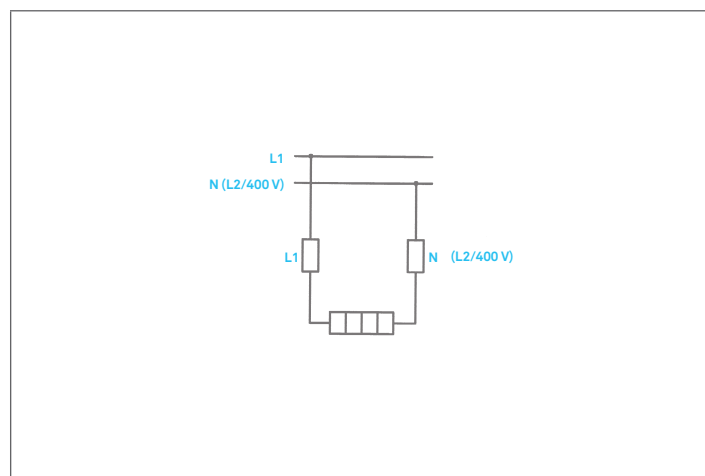
Ordering information

Short form title	PBS-400-E	PBS-40C-E	PBM-40S-E	PBM-40D-E
Enclosure sizes (mm)	160 x 160 x 90	160 x 160 x 90	160 x 160 x 90	260 x 160 x 90
Qty/ Terminal sizes	2/6 mm ²	4/6 mm ²	6/6 mm ²	7/6 mm ²
Terminal identification	L1, N	2x L1; 2x N	L1; L2, L3 3x N	2 x L1; 2 x L2; 2 x L3
Qty/Earth terminals	2/6 mm ²	2/6 mm ²	4/6 mm ²	6/6 mm ²
Glands per enclosure	1 x M25 2 x threaded M20	2x M25 2x threaded M20	1 x M25 4 x threaded M20	1 x M25 6 x threaded M20
Cable diameter	Ø 9 to 17 mm	Ø 9 to 17 mm	Ø 9 to 17 mm	Ø 9 to 17 mm
Order no.	07-3T03-1609/F056	07-3T03-1609/F068	07-3T03-1609/F026	07-3T03-2609/F022

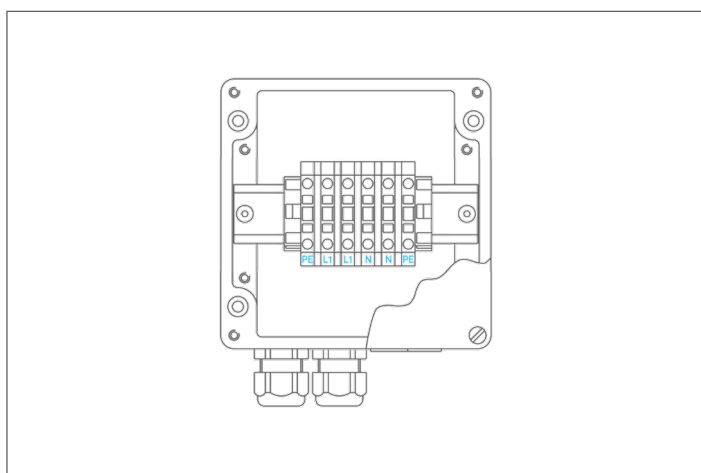
Junction box PBS-400-E



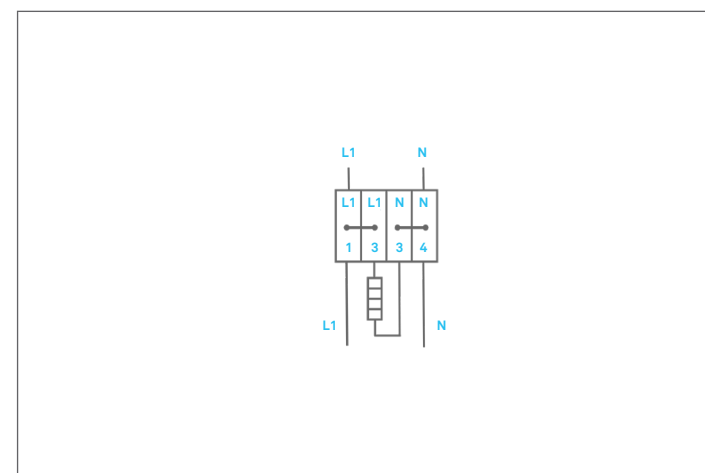
Connection diagramm for junction box PBS-400-E



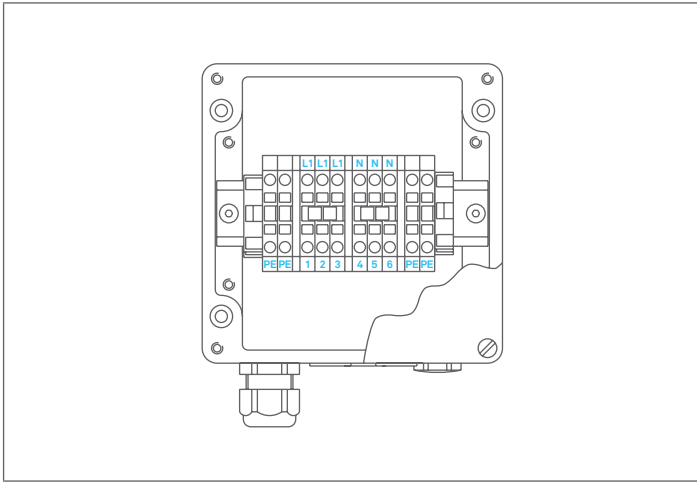
Junction box PBS-40C-E



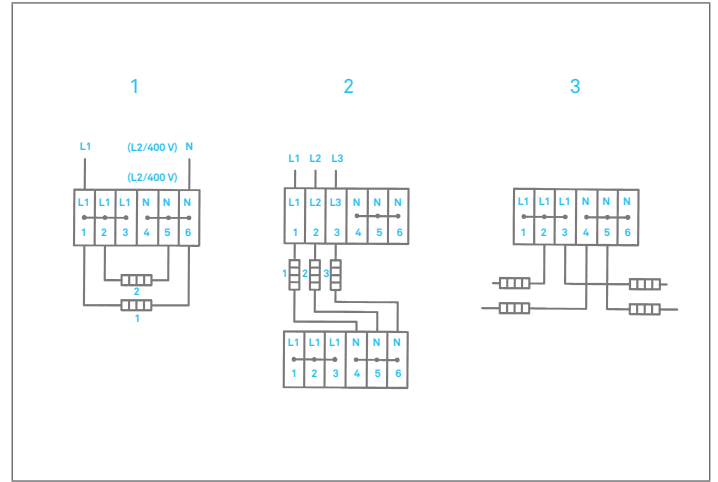
Connection diagramm for junction box PBS-40C-E



Junction box PBM-40S-E

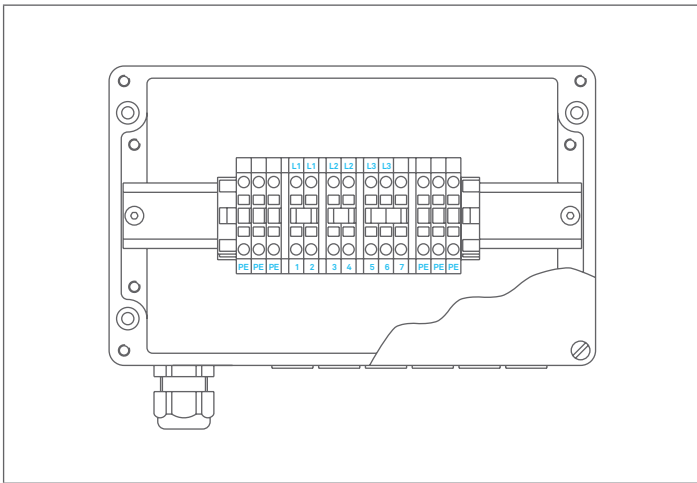


Connection diagramm for junction box PBM-40S-E

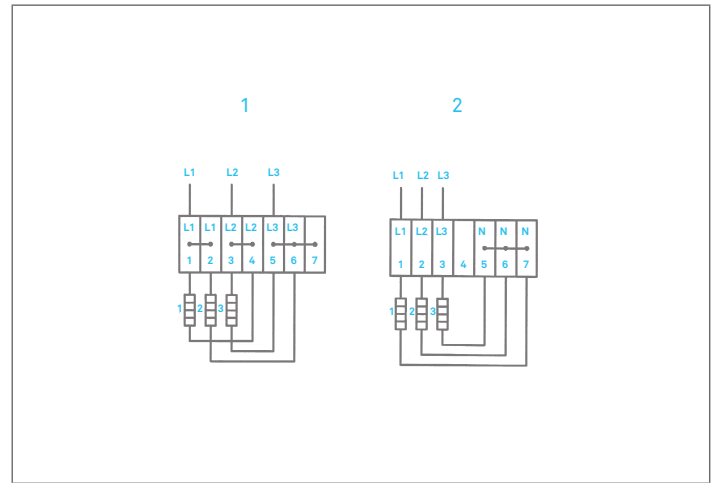


- 1 Double junction box
- 2 Star connection
- 3 Intermediate junction box

Junction box PBM-40D-E



Connection diagramm for junction box PBM-40D-E



- 1 Delta connection
- 2 Star connection

REMARK:

Due to the development of the national and international specifications and of the technology, the above technical characteristics showed on this bulletin can be considered as binding on our confirmation only.