

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 < 10 ⁹ Ω |
| Colour | RAL 9005, black |
| Mechanical resistance | impact energy 7 Nm |
| Protection class (EN 60529/IEC 60529) | IP 66/67 |
| Cable gland | IP 65 |
| 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 (+ -) |

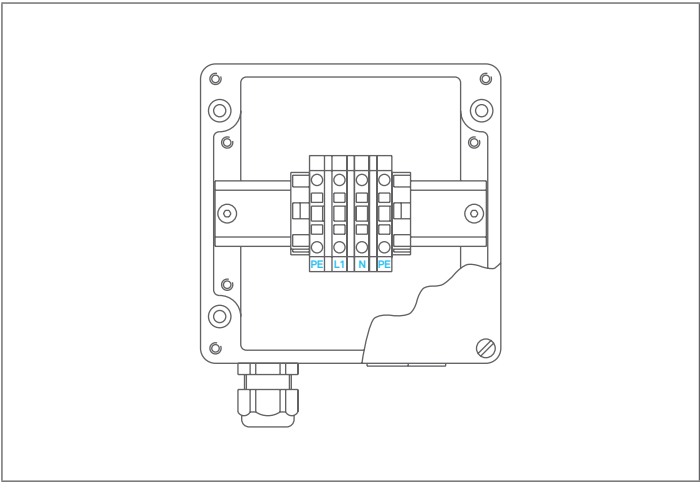
Explosion protection

| | |
|---|---|
| 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 | |

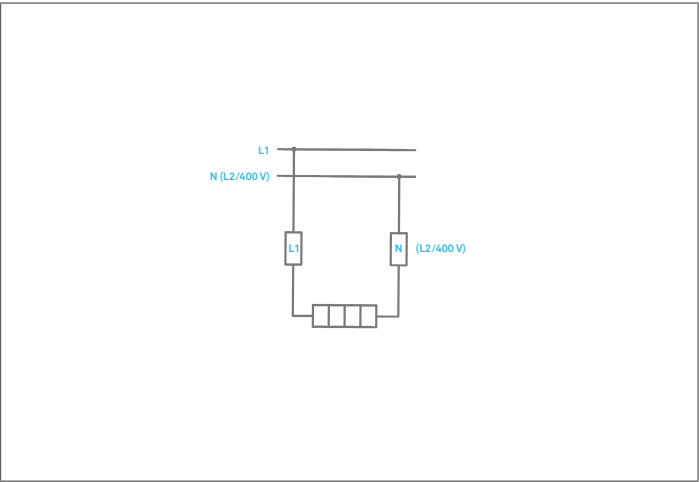
Ordering information

| 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 identifi-cation | 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 |
| Terminal range | Ø 7 to 17 mm | Ø 7 to 17 mm | Ø 7 to 17 mm | Ø 7 to 17 mm |
| Order no. | 07-3T03-1609/F056 | 07-3T03-1609/F068 | 07-3T03-1609/F026 | 07-3T03-2609/F022 |

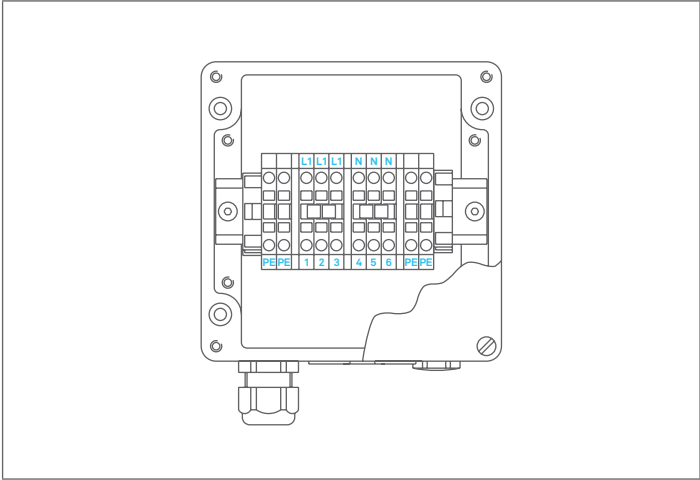
Junction box PBS-400-E



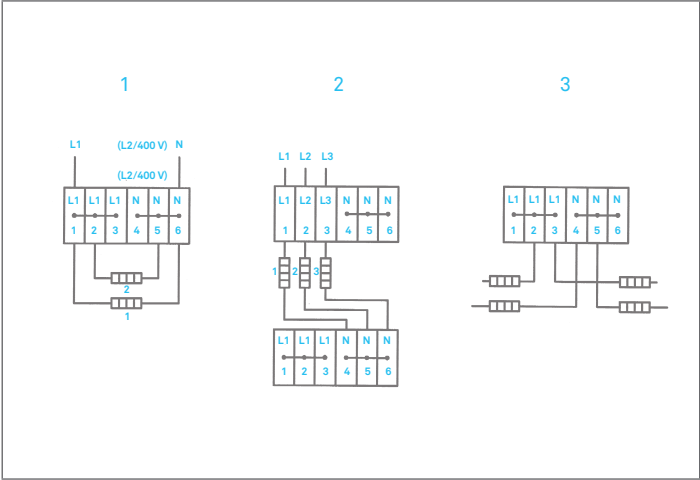
Connection diagramm for junction box PBS-400-E



Junction box PBM-40S-E

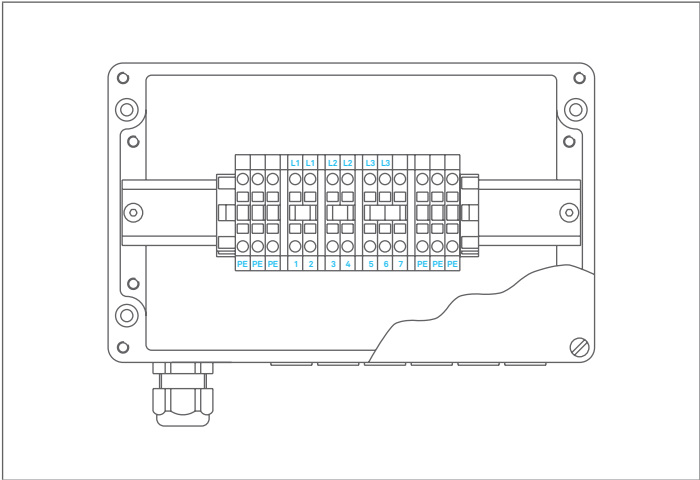


Connection diagramm for junction box PBM-40S-E

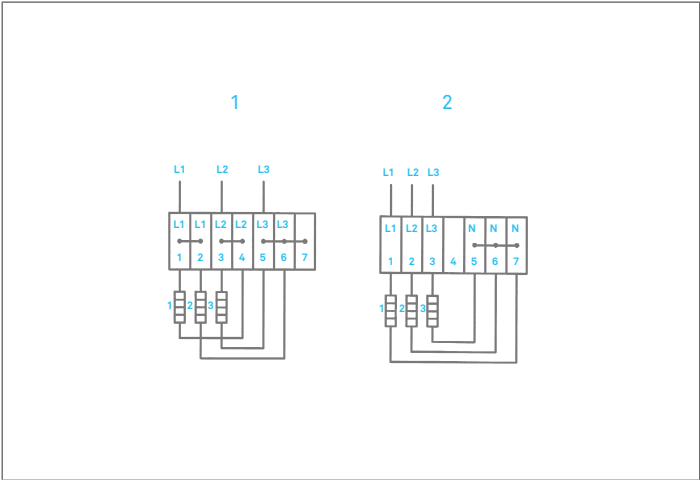


- 1 Double junction box
- 2 Star connection
- 3 Intermediate junction box

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.