

# Junction Boxes

for Pt100 Ex



The junction boxes for Pt100 Ex allow one or more two-wire or three-wire Pt100 resistance thermometers to be connected to the signal line.

The enclosures have the appropriate terminals and the required cable glands. Aluminium junction boxes are available upon request.

- Temperature-resistant
- For use in hazardous areas
- Flame-retardant
- Absolutely corrosion-proof
- Seawater-proof

Explosion protection

Marking Ex e	Ⓔ II 2G Ex eb IIC T6 or T5 Gb Ⓔ II 2D Ex tb IIIC T80 °C, T95 °C Db
Marking Ex i	Ⓔ II 2G Ex ia 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 <a href="http://bartec.com">bartec.com</a>

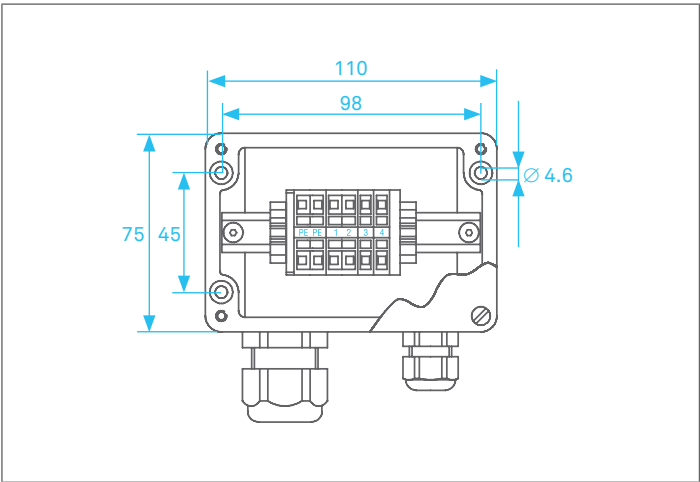
Technical data

Protection class according to EN 60529	Cover gasket IP 65 Cable gland for power supply cables IP 67
Nominal voltage	max. AC 60 V
Supply cable, cross section	2.5 mm²
Impact resistance	7 Nm
Material	polyester, glass-fibre reinforced
Ambient temperature range	-55 °C to +40 °C T6 -55 °C to +55 °C T5
Dimensions	110 x 75 x 55 mm

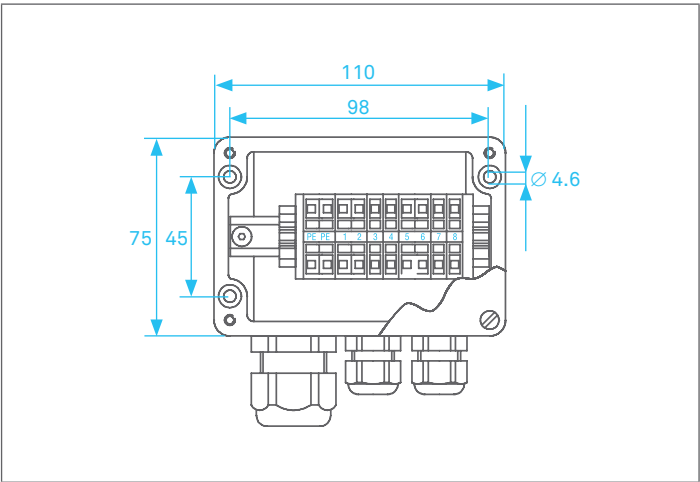
Ordering information

Short form title	Ex protection	No. of Pt100 Connections	Cable gland for signal line	Cable gland Pt100	Terminals mm²	Earth Terminals mm²	Order no.
RTS-10E-E	Ex e	1	1 x M25 (Ø 8 to 14 mm)	1 x M16 (Ø 4.0 to 8.0 mm)	4 X 2.5	2 X 2.5	07-3T03-1105/F009
RTM-10E-E	Ex e	2		2 x M16 (Ø 4.0 to 8.0 mm)	8 X 2.5	2 X 2.5	07-3T03-1105/F007
RTS-10I-E	Ex i	1	1 x M25 (Ø 8 to 14 mm)	1 x M12 (Ø 3.0 to 6.5 mm)	4 X 2.5	2 X 2.5	07-3T07-1105/F001
RTM-10I-E	Ex i	2		2 x M12 (Ø 3.0 to 6.5 mm)	8 X 2.5	2 X 2.5	07-3T07-1105/F003

Junction box single



Junction box double



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.