



## Junction boxes for Pt100 Ex

### Description

The Pt100 Ex junction boxes 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.

### Explosion protection

#### Ex protection type

- ⊕ II 2G Ex e II T6 or T5
- ⊕ II 2D Ex tD A21 IP 6x T 95 °C
- ⊕ II 2D Ex tD A21 IP 6x T 80 °C

#### Certification

PTB 08 ATEX 1064  
IBExU00ATEX1081

More versions are available for:  
USA, Canada, Russia

### 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 mm<sup>2</sup>

#### Impact resistance

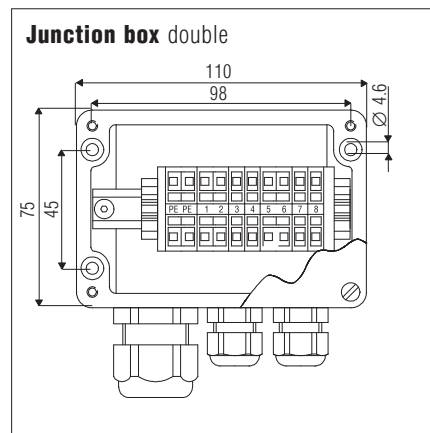
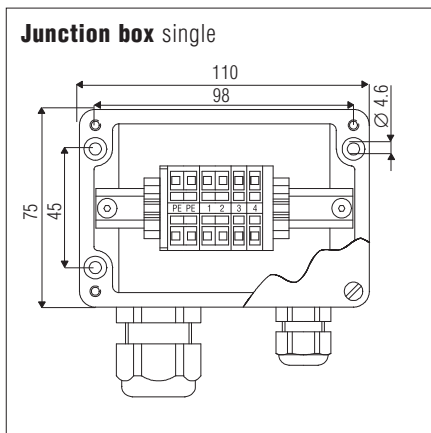
7 Nm

#### Material

polyester, glass-fibre reinforced

#### Ambient temperature range

-20 °C up to +40 °C T6  
-20 °C up to +55 °C T5



### Selection chart

Used for	Junction box	Dimensions mm	Cable gland		Terminals mm <sup>2</sup>	Order no.
			for the signal line	Pt100		
⊕ Pt100, Ex e	single	110 x 75 x 55	1 x M25 (∅ 7 up to 17 mm)	1 x M16 (∅ 4 up to 9 mm)	8 x 2,5; 4 x PE	<b>07-5103-9024</b>
	double	110 x 75 x 55	1 x M25 (∅ 7 up to 17 mm)	2 x M16 (∅ 4 up to 9 mm)	16 x 2,5; 4 x PE	<b>07-5103-9025</b>

### Selection chart

Used for	Junction box	Dimensions mm	Cable gland		Terminals mm <sup>2</sup>	Order no.
			for the signal line	Pt100		
⊕ Pt100, Ex i	single	110 x 75 x 55	1 x M25 (∅ 7 up to 17 mm)	1 x M16 (∅ 3 up to 6 mm)	8 x 2,5	<b>07-5107-9003</b>
	double	110 x 75 x 55	1 x M25 (∅ 7 up to 17 mm)	2 x M16 (∅ 3 up to 6 mm)	16 x 2,5	<b>07-5107-9004</b>