

X20TBS1

Data sheet
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Publishing information

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1 General information

1.1 Order data

Order number	Short description	Figure
	Terminal blocks	
X20TBS1	Terminal block set for X20 I/O module: 2x 16-pin terminal block	

Table 1: X20TBS1 - Order data

1.2 Description

This 16-pin terminal block is used to connect to various B&R modules. The set contains 2 terminal blocks.

2 Technical description

2.1 Technical data

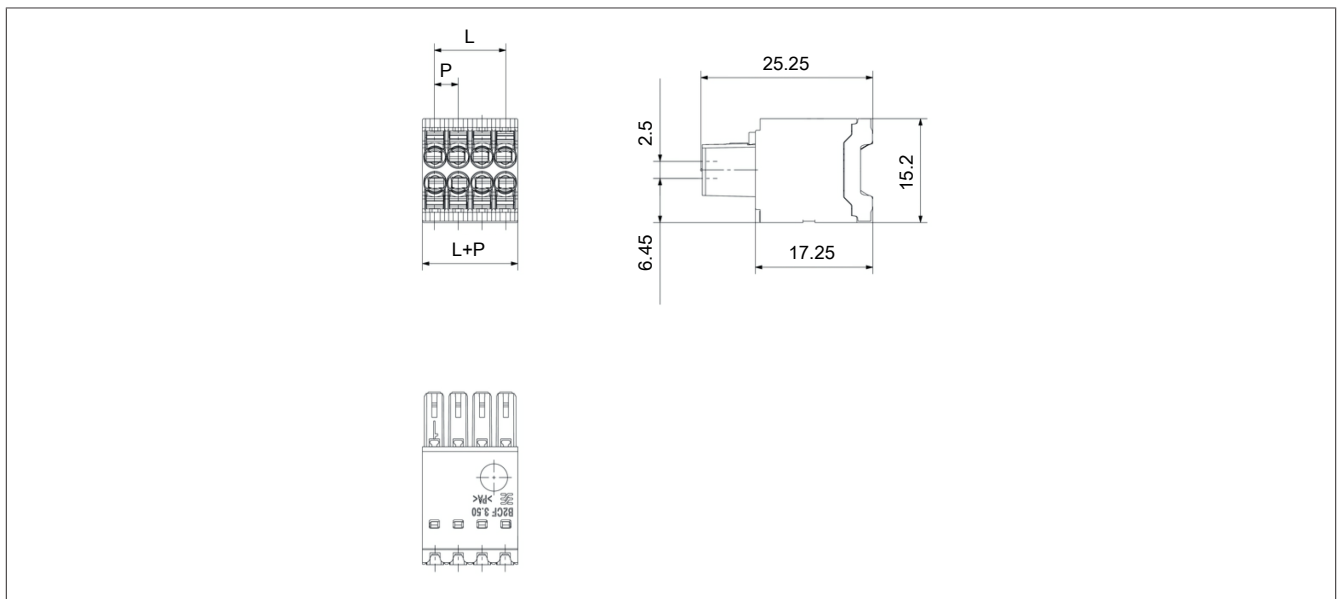
Order number	X20TBS1
General information	
Certifications	
CE	Yes
UKCA	Yes
DNV	Temperature: B (0 to 55°C) Humidity: B (up to 100%) Vibration: B (4 g) EMC: B (bridge and open deck)
LR	ENV1
KR	Yes
ABS	Yes
Terminal block	
Number of pins	16
Type of terminal block	Design as push-in terminal block with actuating element
Push-in force per contact	Max. 3.5 N
Cable type	Only copper wires (no aluminum wires!)
Pitch	3.5 mm
Wire stripping length	10 mm
Connection cross section ¹⁾	
AWG wire	30 to 16 AWG
Wire end sleeves with plastic covering	0.14 to 1.00 mm ²
Single-wire	0.14 to 1.50 mm ²
Fine-stranded wires	0.14 to 1.50 mm ²
With wire end sleeve	0.14 to 1.50 mm ²
Electrical properties	
Nominal voltage	IEC: 320 V UL: 300 V
Nominal current ²⁾	IEC: 10 A / contact UL: 9.5 A / contact
Contact resistance	≤5 mΩ
Ambient conditions ³⁾	
Temperature	
Operation	-50 to 120°C
Relative humidity	
Operation	5 to 95%, non-condensing

Table 2: X20TBS1 - Technical data

- 1) Use a screwdriver with a blade of 0.4 x 2.5 mm.
- 2) The respective limit data of the I/O modules must be taken into account!
- 3) Identical for operation, storage and transport.

2.2 Dimensions

The terminal block has the following dimensions:



$L = 24.5 \text{ mm}$

$P = 3.5 \text{ mm}$