

B&R - X20 System**X20BT9100**

X2X Link Bus Transmitter with I/O Supply

Technical specifications

Primary function	X2X Link bus transmitter with internal I/O supply
Maximum X2X segment length	100 m
Bus power consumption	0.5 W
Internal I/O consumption	0.1 W as transmitter; additional 0.6 W as supply
I/O supply voltage	24 VDC -15% / +20%
Required I/O line fuse	Maximum 10 A, slow-blow
I/O contact load	10 A
I/O input reverse-polarity protection	No
Required terminal block	X20TB06 or X20TB12, ordered separately
Required bus module	X20BM11 or X20BM15, ordered separately
Module pitch	12.5 mm +0.2 mm
Mounting orientation	Horizontal or vertical
Degree of protection	IP20
Operating temperature	-25 to 60 °C horizontal; -25 to 50 °C vertical
Storage / transport temperature	-40 to 85 °C
Relative humidity	5 to 95%, non-condensing

Documented role

B&R X20BT9100 is an X2X Link bus transmitter that extends the X20 station and can supply the internal I/O potential group for the X20 System.

Documented applications

- Extending an X20 station across separated machine sections
- Connecting a local X20 segment to a remote X2X receiver
- Feeding a controlled I/O potential group at the transmitting segment

Selection and installation checks

X20BT9100 is used only at the rightmost station position. Verify the outgoing X2X segment, 100 m segment limit, required bus and terminal modules, I/O supply path, potential-group boundary, 10 A contact-load limit, and downstream receiver before energizing.