

B&R - X20 System

X20BC0063

PROFIBUS DP V0 Slave Bus Controller

Technical specifications

Fieldbus role	PROFIBUS DP V0 slave
Fieldbus connector	9-pin female DSUB
Maximum bus distance	1200 m
Maximum transfer rate	12 Mbit/s
Transfer-rate selection	Automatic detection
Minimum X2X Link cycle time	400 µs
Bus power consumption	2.3 W
Electrical isolation	PROFIBUS isolated from I/O; not isolated from bus
Required terminal block	X20TB12, ordered separately
Required supply module	X20PS9400 or X20PS9402, ordered separately
Required bus base	X20BB80, ordered separately
Module pitch	37.5 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

Documented role

B&R X20BC0063 is a PROFIBUS DP V0 slave bus controller that couples X2X Link I/O nodes to a PROFIBUS network for the X20 System.

Documented applications

- Connecting an X20 I/O station to a PROFIBUS DP master
- Distributed machine I/O with PROFIBUS device diagnostics
- Legacy PROFIBUS station maintenance with continued X2X node communication

Selection and installation checks

X20BC0063 is a PROFIBUS DP V0 slave bus controller. Preserve the GSD and master configuration before replacement, then verify the address, 9-pin DSUB wiring, segment termination, selected power-supply module, bus base, X20TB12, and the complete X2X Link station.