

B&R - X20 System**X20BC0053**

DeviceNet Slave Bus Controller

Technical specifications

Fieldbus role	DeviceNet slave
Fieldbus connector	5-pin multipoint connector
Maximum bus distance	500 m
Maximum transfer rate	500 kbit/s
Transfer-rate selection	Automatic detection
Supported DeviceNet modes	Explicit Messaging, Change of State, Cyclic, Polled, Bit Strobe
Bus power consumption	1.5 W
Required fieldbus terminal	TB2105, ordered separately
Required supply module	X20PS9400 or X20PS9402, ordered separately
Required supply terminal block	X20TB12, ordered separately
Required bus base	X20BB80, ordered separately
Module pitch	37.5 mm +0.2 mm
Documented operating temperature	0 to 55 °C horizontal; 0 to 50 °C vertical

Documented role

B&R X20BC0053 is a DeviceNet slave bus controller that connects X2X Link I/O nodes to a DeviceNet network for the X20 System.

Documented applications

- Connecting distributed X20 I/O to a DeviceNet scanner
- Integrating an X20 station into a Rockwell DeviceNet architecture
- Maintaining an existing EDS-configured DeviceNet I/O station

Selection and installation checks

X20BC0053 is a legacy DeviceNet slave bus controller. Back up the EDS-based configuration and I/O mapping before replacement, then verify the node address, bus rate, five-pin fieldbus terminal, termination, power-supply assembly, and complete X2X Link station order.