

B&R - X20 System**X20CS1070**

CAN Bus Communication Module

Technical specifications

Interfaces	1 CAN bus
CAN connector	Via X20TB12
Maximum bus distance	1000 m
Maximum transfer rate	1 Mbit/s
CAN controller	SJA1000
Terminating resistor	Integrated
Bus power consumption	0.01 W
Internal I/O power consumption	1.44 W
Electrical isolation	CAN isolated from bus and I/O power
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

Documented role

B&R X20CS1070 is a single-interface CAN communication module for the X20 System for the X20 System.

Documented applications

- Connecting complex CAN devices to an X20 controller
- Adding an application-managed CAN segment to a remote X20 station
- Maintaining isolated CAN communication in modular machinery

Selection and installation checks

X20CS1070 provides one isolated CAN interface. Confirm the application protocol, bit rate, node addresses, terminal pinout, segment termination, cable topology, required bus module, and Automation Studio configuration before connecting field devices.