

B&R - X67 System

X67BC8331

POWERLINK Bus Controller with Integrated Digital I/O

Technical specifications

Fieldbus	POWERLINK V1/V2 controlled node, type 2
Fieldbus physical layer	100BASE-TX, M12 D-coded
Transfer rate	100 Mbit/s
Maximum segment length	100 m
Minimum POWERLINK / X2X cycle	200 µs / 200 µs
Dynamic node allocation	Supported
X2X Link expansion	Up to 250 additional modules
Configurable digital channels	8 inputs or outputs
Input type	24 VDC, sink, EN 61131-2 type 1
Output type	24 VDC, source FET
Nominal output current	2 A per channel; 8 A total
Sensor / actuator supply	0.5 A total, short-circuit protected
X2X Link power output	3 W
Supply voltage	24 VDC nominal, 18 to 30 VDC
Electrical isolation	Bus isolated from POWERLINK and channels; channels not isolated from one another
Operating temperature	-25 to 60 °C
Degree of protection	IP67
Mounting orientation	Any
Storage / transport temperature	-40 to 85 °C
Dimensions	5.3 × 8.5 × 4.2 cm (W × H × D)
Weight	0.20 kg

Documented role

B&R X67BC8331 is a POWERLINK V1/V2 controlled-node bus controller with eight configurable digital channels and an integrated X2X Link expansion connection for the X67 System.

Documented applications

- POWERLINK-connected distributed machine I/O stations
- IP67 local sensor and actuator control with integrated configurable channels
- Expansion of field-mounted X67 stations through additional X2X Link I/O

Selection and installation checks

X67BC8331 combines a POWERLINK controlled node with local configurable I/O. Back up the node, channel and X2X configuration, then verify network timing, 24 VDC load, firmware, connector coding and IP67 sealing before replacement.