

B&R; · X20 SYSTEM

X20PS9400

Isolated Bus Controller Power Supply Module

Technical specifications

Manufacturer	B&R
Model	X20PS9400
Product family	X20 System
Product type	Isolated Bus Controller Power Supply Module
Dimensions	1.25 x 9.9 x 7.5 cm
Supply function	Bus controller, X2X Link, and internal I/O
Service interface	RS232 via X20TB12, maximum 115.2 kbit/s
BC/X2X input voltage	24 VDC -15% / +20%
BC/X2X input current	Maximum 0.7 A
BC/X2X output power	7 W nominal
I/O input voltage	24 VDC -15% / +20%
Required I/O line fuse	Maximum 10 A, slow-blow
Permissible contact load	10 A
Electrical isolation	BC/X2X supply isolated from its input; I/O supply and RS232 not isolated from bus
Required terminal block	X20TB12, ordered separately
Required bus base	X20BB80, X20BB81, or X20BB82 as applicable
Module pitch	12.5 mm +0.2 mm
Mounting orientation	Horizontal or vertical
Degree of protection	IP20
Operating temperature	-25 to 60 deg C horizontal; -25 to 50 deg C vertical
Storage / transport temperature	-40 to 85 deg C
Relative humidity	5 to 95%, non-condensing

Documented role

B&R; X20PS9400 supplies an X20 bus controller, X2X Link, and internal I/O power and provides an RS232 service interface.

Documented applications

- Powering compatible X20 bus-controller stations
- Redundant bus-controller and X2X Link supply designs
- X20 bus-controller stations requiring an isolated BC/X2X Link feed and local RS232 service access

Selection and installation checks

- Keep the isolated BC/X2X feed separate from the non-isolated I/O feed.
- Verify both power budgets, the maximum 10 A slow-blow I/O fuse, and the redundancy plan.
- Confirm the applicable X20BB80, X20BB81, or X20BB82 bus base and the separately ordered X20TB12 terminal block.

Use the complete model number and the installed station configuration when confirming compatibility.