

B&R; · X20 SYSTEM

X20PS2100

Internal I/O Power Supply Module

Technical specifications

Manufacturer	B&R
Model	X20PS2100
Product family	X20 System
Product type	Internal I/O Power Supply Module
Dimensions	1.25 x 9.9 x 7.5 cm
Input voltage	24 VDC -15% / +20%
Required line fuse	Maximum 10 A, slow-blow
Nominal output voltage	24 VDC
Permissible contact load	10 A
Bus power consumption	0.2 W
Internal I/O power consumption	0.6 W
Required terminal block	X20TB12, ordered separately
Required bus module	X20BM01 or X20BM05, ordered separately
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; X20PS2100 is a 24 VDC power-supply module for the internal I/O supply of an X20 station.

Documented applications

- Starting a new 24 VDC X20 I/O potential group
- Adding an internal I/O feed without an X2X Link supply
- Segmented X20 stations requiring an independently fed internal I/O potential group

Selection and installation checks

- Provide the documented maximum 10 A slow-blow line fuse.
- Observe that the I/O input is not reverse-polarity protected.
- Verify X20BM01 or X20BM05, X20TB12, potential-group boundaries, and the full load calculation.

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