

B&R - X20 System**X20DO9321**

Digital Output Module

Product identity and technical data

Digital outputs	12
Output variant	Current-sinking FET
Nominal voltage	24 VDC
Switching voltage	24 VDC -15%/+20%
Nominal output current	0.5 A per channel
Total nominal current	6 A
Output circuit	Sink
Connection type	1-wire connections
Output protection	Thermal shutdown for overcurrent or short circuit; internal freewheeling diode
Diagnostic status	Output monitoring with 10 ms delay
Required terminal block	X20TB12, ordered separately
Compatible bus modules	X20BM11 or X20BM15, ordered separately
Degree of protection	IP20
Operating temperature	-25 to 60 °C horizontal; -25 to 50 °C vertical

Documented role

B&R X20DO9321 is a 12-channel 24 VDC sink digital output module with 0.5 A outputs, 1-wire connections, and integrated output protection for the X20 System.

Documented applications

- Switching 24 VDC loads that require current-sinking outputs in B&R X20 control stations
- Process-control output stations used within the documented Class I Division 2 conditions
- Marine automation installations covered by the listed X20 type approvals

Selection and installation checks

X20DO9321 requires a separately ordered terminal block and X20 bus module; verify the complete material number, output polarity, load current and inrush, actuator wiring, power group, Automation Studio configuration, and environmental conditions before replacement.