B&R - X20 System

X20DI9371

Digital Input Module

Product identity and technical data

Digital inputs	12
Nominal input voltage	24 VDC
Input voltage	24 VDC -15%/+20%
Input circuit	Sink
Connection type	1-wire connections
Software input filter	Default 1 ms; configurable 0 to 25 ms in 0.2 ms increments
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 X20DI9371 is a 12-channel 24 VDC sink digital input module for 1-wire connections with a configurable module-wide input filter for the X20 System.

Documented applications

- Digital sensor-state acquisition in B&R X20 industrial control equipment
- Process-control input stations used within the documented Class I Division 2 conditions
- Marine automation installations covered by the listed X20 type approvals

Selection and installation checks

X20DI9371 requires a separately ordered terminal block and X20 bus module; verify the complete material number, input-circuit polarity, sensor wiring, filter settings, power group, Automation Studio configuration, and environmental conditions before replacement.