

B&R - X67 System

X67DM1321

8-channel Configurable Digital Mixed I/O Module

Technical specifications

Configurable channels	8 digital inputs or outputs
Input type	24 VDC, sink, type 1
Output type	24 VDC, source, FET
Output current	0.5 A per channel; 4 A total
I/O connectors	8 × M8, 3-pin
Input hardware filter	≤10 µs channels 1–4; ≤70 µs channels 5–8
Software input filter	0 to 25 ms in 0.2 ms steps; default 0 ms
Event counters	2 × 16-bit, 50 kHz
Counter inputs	Input 1 and input 3
Gate time measurement	1; supported on input 2 or input 4
Output switching delay	<400 µs
Maximum resistive switching frequency	100 Hz
Output protection	Thermal short-circuit, inductive-load and reverse-polarity protection
Internal I/O / X2X power	2.5 W / 0.75 W
Supply voltage	24 VDC nominal, 18 to 30 VDC
Degree of protection	IP67
Mounting orientation	Any
Operating temperature	-25 to 60 °C
Storage / transport temperature	-40 to 85 °C
Dimensions	5.3 × 8.5 × 4.2 cm (W × H × D)
Weight	0.19 kg

Documented role

B&R X67DM1321 is an IP67 X67 mixed module with eight software-configurable 24 VDC digital input or output channels for the X67 System.

Documented applications

- Flexible sensor and actuator points on modular machine sections
- Two-channel 50 kHz event counting with gate control
- IP67 mixed-I/O stations for machine variants with changing channel roles

Selection and installation checks

X67DM1321 channels are configured in software. Preserve channel direction, counter and gate assignments, filter values and I/O mapping; verify the 4 A total output load, M8 wiring, field power and sealed connectors before replacement.