

B&R - X67 System

X67AI1323

4-channel Current Analog Input Module

Technical specifications

Analog inputs	4 differential current channels
Input connectors	4 × M12, A-coded
Input ranges	0 to 20 mA or 4 to 20 mA
Resolution	12-bit
Conversion time	400 µs for all inputs
Input load	<300 Ω
Maximum input current	±30 mA
Voltage drop at 20 mA	Typically 4.5 V
Input filter	1 kHz, 40 dB
Common-mode range	±11 V
Gain error	0.1%
Offset error	0.05%
Crosstalk	< -70 dB
Sensor supply	0.5 A total
Internal I/O / X2X power	3 W / 0.75 W
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 X67AI1323 is an IP67 X67 analog input module with four differential 0 to 20 mA or 4 to 20 mA channels and 12-bit conversion for the X67 System.

Documented applications

- Distributed 4–20 mA pressure, level and flow measurement
- Machine-mounted 0–20 mA transducer acquisition
- IP67 current-loop monitoring close to process equipment

Selection and installation checks

X67AI1323 reads four differential current loops. Verify selected range, loop power, compliance voltage, input burden, polarity, grounding, M12 A-coded wiring and project scaling before commissioning.