

B&R - X67 System

X67AO1223

4-channel ± 10 V Analog Output Module

Technical specifications

Analog outputs	4 voltage channels
Output connectors	4 × M12, A-coded
Output range	± 10 V
Resolution	12-bit
Update time	400 μ s for all outputs
Settling time	Approximately 1 ms for the full range
Maximum output current	± 10 mA per channel
Minimum load resistance	1 k Ω
Short-circuit current	± 40 mA
Output filter	First-order low-pass, 2.5 kHz
Gain error	0.15%
Offset error	0.05%
Nonlinearity	<0.15%
Output protection	Short-circuit protection and supply-wiring protection
Output enable	Integrated relay
Internal I/O / X2X power	4 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 X67AO1223 is an IP67 X67 analog output module with four ± 10 V channels and 12-bit conversion for the X67 System.

Documented applications

- Distributed ± 10 V speed or torque commands for drives
- Voltage setpoints for proportional valves and actuators
- IP67 analog reference generation near machine mechanisms

Selection and installation checks

X67AO1223 generates four ± 10 V signals. Verify the receiving-device input resistance, reference, scaling, cable shielding, power-up and fault-state behavior, connector pinout and sealed installation before enabling motion or process loads.