

B&R - X20 System**X20AO4632**

High-Speed Analog Output Module

Technical specifications

Analog outputs	4
Output ranges	± 10 V or 0 to 20 mA
Digital converter resolution	Voltage ± 15 -bit; current 15-bit
Conversion time	50 μ s for all outputs
Settling time	500 μ s across the entire output range
Voltage load	At least 1 k Ω ; maximum ± 10 mA
Current load	Maximum 600 Ω at Rev. J0 or later; 500 Ω before Rev. J0
Startup behavior	Internal enable relay
Output protection	Short-circuit proof with ± 40 mA current limiting
Output filter	First-order low-pass, 10 kHz cutoff
Internal I/O power	1.8 W at Rev. J0 or later; 2.2 W before Rev. J0
Electrical isolation	Channel isolated from bus; channels not isolated from one another
Required terminal block	X20TB12, ordered separately
Compatible bus modules	X20BM11 or X20BM15, ordered separately

Documented role

B&R X20AO4632 is a four-channel high-speed analog output module for ± 10 V or 0 to 20 mA signals with 16-bit conversion for the X20 System.

Documented applications

- High-speed ± 10 V command output to compatible drives and actuators
- Fast 0 to 20 mA control of process devices
- Four-channel distributed analog control in X20 machine systems

Selection and installation checks

X20AO4632 provides four fast analog outputs but has revision-dependent current-load, power, and temperature limits at J0; verify revision, terminal mode, receiver load, scaling, startup values, X20TB12, and saved configuration before replacement.