

B&R - X20 System

X20AO2622

Analog Output Module

Technical specifications

Analog outputs	2
Output ranges	± 10 V; 0 to 20 mA; 4 to 20 mA
Digital converter resolution	Voltage ± 12 -bit; current 12-bit
Conversion time	200 μ s for all outputs
Settling time	1 ms 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
Electrical isolation	Channel isolated from bus; channels not isolated from one another
Required terminal block	X20TB06 or X20TB12, ordered separately
Compatible bus modules	X20BM11 or X20BM15, ordered separately
Degree of protection	IP20

Documented role

B&R X20AO2622 is a two-channel analog output module for ± 10 V, 0 to 20 mA, or 4 to 20 mA signals with 13-bit conversion for the X20 System.

Documented applications

- Providing ± 10 V commands to compatible drives and actuators
- Generating 0 to 20 mA or 4 to 20 mA commands for process devices
- Two-channel distributed analog control in X20 systems

Selection and installation checks

X20AO2622 uses different terminals for voltage and current output; verify hardware revision because the current-load limit changes at J0, then confirm receiver load, cable resistance, scaling, startup values, X20TB06 or X20TB12, and saved configuration.