

B&R - X20 System**X20AI2622**

Analog Input Module

Technical specifications

Analog inputs	2 differential inputs
Input ranges	± 10 V; 0 to 20 mA; 4 to 20 mA
Signal selection	Different terminal connections; channel type selected in software
Digital converter resolution	Voltage ± 12 -bit; current 12-bit
Conversion time	300 μ s for all inputs
Conversion procedure	SAR
Voltage input impedance	20 M Ω
Current input load	Less than 400 Ω
Permissible input signal	Maximum ± 30 V or ± 50 mA
Input filter	Third-order low-pass, 1 kHz cutoff
Common-mode range	± 12 V
Overload digital value	Configurable
Electrical isolation	Channel isolated from bus; channels not isolated from one another
Required terminal block	X20TB06 or X20TB12, ordered separately

Documented role

B&R X20AI2622 is a two-channel analog input module for ± 10 V, 0 to 20 mA, or 4 to 20 mA signals with 13-bit conversion for the X20 System.

Documented applications

- Acquiring ± 10 V machine and drive feedback signals
- Measuring 0 to 20 mA or 4 to 20 mA process transmitters
- Distributed two-channel analog measurement in X20 control stations

Selection and installation checks

X20AI2622 uses different terminals for voltage and current input and does not power field transmitters; verify loop power, common-mode range, scaling, overload handling, X20TB06 or X20TB12, and saved channel configuration.