

B&R - X20 System

X20DO2623

Digital SSR Output Module

Technical specifications

Digital outputs	2
Output variant	SSR with zero-cross switching
Output circuit	L-switching
Nominal voltage	100 to 240 VAC
Maximum voltage	264 VAC
Rated frequency	47 to 63 Hz
Nominal output current	1 A per channel
Total nominal current	1 A
Surge current	40 A for 20 ms; 10 A for 1 s
Connection type	3-wire connections
Switching delay	At 50 Hz: ≤11 ms; at 60 Hz: ≤9.3 ms
Off-state leakage current	Maximum 10 mA at 240 V
Internal protective circuit	Snubber circuit (RC element)
External protective circuit	Generally a varistor or fuse

Documented role

B&R X20DO2623 is a two-channel 100 to 240 VAC SSR output module with zero-cross switching, 3-wire connections, and 240 V coding for the X20 System.

Documented applications

- Zero-cross switching of documented 100 to 240 VAC field loads in X20 control stations
- Distributed AC output expansion connected to standard fieldbus control systems
- Machine-control output stations requiring compact two-channel solid-state switching

Selection and installation checks

X20DO2623 switches 100 to 240 VAC loads and does not monitor L-to-N voltage; verify supply isolation, external fuse or varistor protection, load surge current, 240 V coding, X20TB32, and X20BM12 before installation.