

B&R - X20 System**X20DO4529**

Relay Output Module

Technical specifications

Relay outputs	4 changeover contacts
Isolation	Outputs individually isolated
Nominal voltage	30 VDC / 115 VAC
Maximum switching voltage	110 VDC / 125 VAC
Nominal output current	1 A at 30 VDC; 0.5 A at 115 VAC
Total nominal current	4 A at 30 VDC; 2 A at 115 VAC
Maximum inrush current	2 A per channel
Minimum switching capacity	0.01 mA / 10 mVDC
Maximum switching capacity	30 W / 62.5 VA
Switching delay	<=4 ms on; <=4 ms off
Electrical service life	Minimum 100,000 operations
Mechanical service life	Minimum 50,000,000 operations at 3 Hz
Internal protective circuit	None
External protection	AC: RC combination or VDR; DC: inverse diode, RC combination, or VDR

Documented role

B&R X20DO4529 is a four-channel relay output module with individually isolated changeover contacts for 30 VDC or 115 VAC loads for the X20 System.

Documented applications

- Switching individually isolated 115 VAC field loads in X20 control stations
- Controlling documented 30 VDC loads through changeover relay contacts
- Distributed machine-control circuits requiring galvanic separation between output channels

Selection and installation checks

X20DO4529 has no internal contact suppression; verify each AC or DC load, external RC/VDR or diode protection, inrush, switching frequency, contact life, X20TB12, and X20BM11 or X20BM15 before replacement.