X20DO8332

Eight-channel digital output module

Eight 24 V DC discrete source-output signals

PRODUCT SNAPSHOT

BRAND	FAMILY
B&R	B&R X20 digital I/O
PART	ORIGIN / HS
X20DO8332	Austria / 8537101190

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PRODUCT OVERVIEW

Eight 24 V DC discrete source-output signals

1. Provides eight digital output channels
2. Uses 24 V DC source-output switching
3. Supports compact one-wire termination
4. Reports channel and overload diagnostics

SYSTEM COMPONENTS

- X20 bus base
- X20 terminal block
- 24 V DC load supply
- discrete field loads

TECHNICAL NOTE

Isolate the load supply, label every conductor and verify channel mapping, common reference and load current before controlled output testing.

TECHNICAL DATA

PARAMETER	VALUE
Outputs	8
Nominal voltage	24 V DC
Wiring	1-wire

PARAMETER	VALUE
Output principle	Source
Diagnostics	Channel status and fault diagnostics
Protection	Electronic short-circuit protection

ENGINEERING NOTE

Isolate the load supply, label every conductor and verify channel mapping, common reference and load current before controlled output testing.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
6RY1803-0CM20	Related industrial automation product	**View 6RY1803-0CM20 page**
C98043-A7107-L4	Related industrial automation product	**View C98043-A7107-L4 page**
6RY1803-0DB02	Related industrial automation product	**View 6RY1803-0DB02 page**
6SL3200-0SP06-0AA0	Related industrial automation product	**View 6SL3200-0SP06-0AA0 page**
PR6426-010-140	Related industrial automation product	**View PR6426-010-140 page**
PR6426-000-030	Related industrial automation product	**View PR6426-000-030 page**
PR6424-010-140	Related industrial automation product	**View PR6424-010-140 page**
PR6423-10R-010	Related industrial automation product	**View PR6423-10R-010 page**

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Solenoid command bank

Provides eight digital output channels

Contactor control

Uses 24 V DC source-output switching

Indicator and alarm outputs

Supports compact one-wire termination

Digital-output slice renewal

Reports channel and overload diagnostics

PRODUCT PRECAUTIONS

1. Verify the full X20DO8332 marking and its assigned B&R X20 digital I/O position before work.
2. Place the connected machine or process in the approved maintenance state.
3. Isolate the applicable supply and eight 24 v dc discrete source-output signals field energy before disconnecting conductors.
4. Record connector, conductor, address and software identities before removal.
5. Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.
6. Confirm the installed X20 bus base and X20 terminal block against the approved project.
7. Restore power in a controlled sequence and review device, network and host diagnostics.
8. Prove the intended solenoid command bank function and retain the final test result.

ENGINEER FAQ

Q1 Does X20DO8332 match X20 bus base in a Solenoid command bank installation?

Verify the complete X20DO8332 marking, the documented B&R X20 digital I/O position and the installed X20 bus base before fitting the assembly.

Q2 How should X20DO8332 be wired when it must provides eight digital output channels?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for X20DO8332; then continuity-test the affected path.

Q3 Which B&R X20 digital I/O records should be captured before removing X20DO8332?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with X20DO8332 before disconnection.

Q4 What controlled test confirms that X20DO8332 can uses 24 v dc source-output switching?

Apply the approved field or simulated stimulus, observe the B&R X20 digital I/O indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which X20 terminal block condition should be checked when X20DO8332 reports an abnormal state?

Check the X20 terminal block supply, seating and connection first, then compare channel diagnostics with the recorded X20DO8332 baseline.

Q6 Can X20DO8332 be moved directly into Contactor control without validating discrete field loads?

No. Confirm the discrete field loads, revision, connection scheme and B&R X20 digital I/O configuration before transferring X20DO8332 to that duty.

Q7 What maintenance evidence is required after X20DO8332 is used for Indicator and alarm outputs?

Retain the nameplate record, corrective action, final diagnostics and a controlled indicator and alarm outputs functional-test result for X20DO8332.

Q8 How should X20DO8332 be returned to service in Digital-output slice renewal?

Restore power under control, verify supports compact one-wire termination, exercise the intended signal path and release X20DO8332 only after the B&R X20 digital I/O remains in its approved operating state.

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