

7EX290.50-1

System 2003 X2X Link bus controller

B&R 7EX290.50-1 is a System 2003 X2X Link bus controller. It performs the documented System 2003 system role in the approved industrial installation.

IDENTITY	VERIFIED VALUE
Manufacturer	B&R
System family	System 2003
Part number	7EX290.50-1
Product role	Provides the documented system 2003 x2x link bus controller function
Lifecycle	Installed product record

DOCUMENT SCOPE

Exact-article identity, technical data, host role, installation checks, applications, precautions and engineering verification.

MODEL-SPECIFIC ENGINEERING NOTE

Record X2X node and rack identities, match the separately ordered terminal block and verify all remote I/O after controlled startup.

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Technical Specifications

Technical values below are limited to the named B&R product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Function	X2X Link bus controller	X2X interfaces	1
Supply	24 V DC	Isolation	X2X Link electrically isolated
Power consumption	3.2 W	Terminal block	Ordered separately

Verified Product Record

DATA GROUP	VERIFIED VALUE
Installed host / carrier	System 2003
Primary system role	Provides the documented system 2003 x2x link bus controller function
Connection boundary	Record X2X node and rack identities, match the separately ordered terminal block and verify all remote I/O after controlled startup.
Controlled acceptance duty	System 2003 system maintenance

ENGINEERING BOUNDARY

Confirm B&R 7EX290.50-1, System 2003 host, hardware revision, terminals and connectors, wiring, grounding, configuration, companion accessories and controlled commissioning results before service release.

Pre-Installation Checks

1	Confirm the complete B&R 7EX290.50-1 marking and installed System 2003 position before work.	2	Place the machine or process in the approved maintenance state and isolate every applicable energy source.
3	Record power, signal, network, terminal and protective-ground connections before removal.	4	Use ESD controls and protect keyed connectors, terminals and exposed electronics from contamination.

Documented Service Record

RECORD ITEM	REQUIRED ENTRY
As-found article	7EX290.50-1
Installed host	System 2003
Connection record	Capture before removal
Controlled release	Diagnostics and functional proof

System Role and Architecture

B&R 7EX290.50-1 is a System 2003 X2X Link bus controller. It performs the documented System 2003 system role in the approved industrial installation.

FUNCTION 1
Provides the documented system 2003 x2x link bus controller function

FUNCTION 2
Uses exact B&R article identity 7EX290.50-1

FUNCTION 3
Integrates with the matched System 2003 hardware

FUNCTION 4
Supports controlled diagnostics and functional verification

Matched System Components

NO.	DOCUMENTED COMPONENT / ROLE
1	System 2003
2	24 V DC
3	System 2003 system maintenance
4	Record X2X node and rack identities, match the separately ordered terminal block and verify all remote I/O after controlled startup.

System Integration Record

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	System 2003
Interface role	Provides the documented system 2003 x2x link bus controller function
Field / power context	The component is used with the exact carrier, terminal, power, signal and network arrangement approved for B&R 7EX290.50-1. Commissioning preserves the installed configuration and verifies controlled system response.
Commissioning evidence	Complete a controlled functional test and retain the acceptance result before production release.

Installation and Connection Checks

1
Verify function (X2X Link bus controller) against the installed project and connected hardware.

2
Verify supply (24 V DC) and restore only the approved configuration.

3
Energize in the prescribed sequence and review module, host and network diagnostics.

4
Complete a controlled functional test and retain the acceptance result before production release.

MANUFACTURER SOURCE RECORD

B&R 7EX290.50-1 product data
B&R product record 7EX290.50-1

Applications and Engineering Context

System 2003 system maintenance

Restores the documented system 2003 x2x link bus controller function in an engineered installation.

Control-panel modernization

Preserves the approved B&R hardware identity during a controlled system upgrade.

Installed-interface verification

Confirms the documented function and supply before process release.

Controlled recommissioning

Verifies configuration, diagnostics and field response after maintenance or replacement.

TECHNICAL NOTE

Record X2X node and rack identities, match the separately ordered terminal block and verify all remote I/O after controlled startup.

Model-Specific Acceptance Evidence

CHECK	ACCEPTANCE CONDITION
Identity	7EX290.50-1 recorded
Host / carrier	System 2003
Physical interface	Provides the documented system 2003 x2x link bus controller function
Configuration	Energize in the prescribed sequence and review module, host and network diagnostics.
Functional proof	Complete a controlled functional test and retain the acceptance result before production release.

IMPORTANT NOTICE

Confirm B&R 7EX290.50-1, System 2003 host, hardware revision, terminals and connectors, wiring, grounding, configuration, companion accessories and controlled commissioning results before service release.

Controlled Release Summary

RELEASE ITEM	MODEL-SPECIFIC CONDITION
Article identity	7EX290.50-1
Approved role	System 2003 system maintenance
Final validation	Complete a controlled functional test and retain the acceptance result before production release.

Engineering Precautions

- 1

Confirm the complete B&R 7EX290.50-1 marking and installed System 2003 position before work.
- 2

Place the machine or process in the approved maintenance state and isolate every applicable energy source.
- 3

Record power, signal, network, terminal and protective-ground connections before removal.
- 4

Use ESD controls and protect keyed connectors, terminals and exposed electronics from contamination.
- 5

Verify function (X2X Link bus controller) against the installed project and connected hardware.
- 6

Verify supply (24 V DC) and restore only the approved configuration.
- 7

Energize in the prescribed sequence and review module, host and network diagnostics.
- 8

Complete a controlled functional test and retain the acceptance result before production release.

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER PAGE
Anybus AB5030-B	Related industrial automation product	View Anybus AB5030-B page
B&R X20CP3585	Related industrial automation product	View B&R X20CP3585 page
B&R 3CP340.60-2	Related industrial automation product	View B&R 3CP340.60-2 page
B&R X67SM2436	Related industrial automation product	View B&R X67SM2436 page
B&R 5MP050.0653-03	Related industrial automation product	View B&R 5MP050.0653-03 page
B&R 80SD100XD.C0XX-21	Related industrial automation product	View B&R 80SD100XD.C0XX-21 page
B&R X20AI2237	Related industrial automation product	View B&R X20AI2237 page
B&R X20AT6402	Related industrial automation product	View B&R X20AT6402 page

MANUFACTURER SOURCE RECORD

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