

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.

BRAND	B&R	FAMILY	System 2003
PART	7EX290.50-1	SYSTEM ROLE	Provides the documented system 2003 x2x link bus controller function

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7EX290.50-1

MANUFACTURER SOURCE RECORD

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

Product Overview

SYSTEM FUNCTION

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

System Components

COMPONENT	DOCUMENTED ROLE
Host / carrier	System 2003
Primary interface	Provides the documented system 2003 x2x link bus controller function
Engineering 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 duty	Complete a controlled functional test and retain the acceptance result before production release.

TECHNICAL NOTE

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

Technical Data

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

Related Products on Apter Power

MODEL	SYSTEM ROLE	APTER POWER 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
B&R 7CP476.60-1	Related industrial automation product	View B&R 7CP476.60-1 page
B&R 7CP474.60-1	Related industrial automation product	View B&R 7CP474.60-1 page
B&R 8I0IF109.400-2	Related industrial automation product	View B&R 8I0IF109.400-2 page
B&R 8I0IF109.400-1	Related industrial automation product	View B&R 8I0IF109.400-1 page
B&R 5ACPCI.ETH3-01	Related industrial automation product	View B&R 5ACPCI.ETH3-01 page
B&R 5AP1130.185C-000	Related industrial automation product	View B&R 5AP1130.185C-000 page

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.

Applications and Precautions

Common Applications

System 2003 system maintenance

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

Installed-interface verification

Confirms the documented function and supply before process release.

Control-panel modernization

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

Controlled recommissioning

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

Product 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.

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.

ACCEPTANCE CHECK	REQUIRED EVIDENCE
Identity	7EX290.50-1
Configuration	Energize in the prescribed sequence and review module, host and network diagnostics.
Functional release	Complete a controlled functional test and retain the acceptance result before production release.

Engineer FAQ

Q1 Which System 2003 position accepts 7EX290.50-1?

Use the approved System 2003 position and confirm the complete B&R 7EX290.50-1 article identity.

Q3 Which value is checked first for 7EX290.50-1?

Check function: X2X Link bus controller.

Q5 What should be recorded before removing 7EX290.50-1?

Record every power, signal, network, terminal and configuration assignment.

Q7 How is 7EX290.50-1 recommissioned?

Restore the approved hardware and project, then review diagnostics in the prescribed startup sequence.

Q2 Which documented function does 7EX290.50-1 provide?

It provides the documented system 2003 x2x link bus controller role in the configured system.

Q4 Which second interface value governs 7EX290.50-1?

Verify supply: 24 V DC.

Q6 How is 7EX290.50-1 handled safely?

Isolate applicable energy, apply ESD controls and protect all connectors and terminals.

Q8 What releases 7EX290.50-1 to service?

A controlled functional test with the expected response and no unresolved diagnostics.

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