APTER■POWER

INDUSTRIAL AUTOMATION PRODUCT

# 7EX290.50-1

## System 2003 X2X Link bus controller

Electrically isolated X2X Link process data

| IDENTITY | VERIFIED VALUE |
|---|---|
| **Manufacturer** | B&R |
| **System family** | B&R System 2003 expansion |
| **Part number** | 7EX290.50-1 |
| **Country** | Austria |
| **HS code** | 8537101190 |

PRODUCT TECHNICAL REFERENCE


### APTER POWER SALES TEAM

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## 2 Technical Specifications

Technical values below are limited to the named B&R product record.

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

### ENGINEERING DATA SUMMARY

| DATA GROUP | VERIFIED ASSIGNMENT |
|---|---|
| **Installed host / carrier** | System 2003 rack |
| **Companion hardware** | separate terminal block |
| **Field connection** | X2X Link cable |
| **Primary system function** | Provides one X2X Link interface |
| **Controlled acceptance duty** | System 2003 remote I/O |

## 3 System Role and Architecture

Electrically isolated X2X Link process data

**FUNCTION 1**

Provides one X2X Link interface

**FUNCTION 2**

Uses a 24 V DC supply

**FUNCTION 3**

Electrically isolates the expansion link

**FUNCTION 4**

Connects a System 2003 station to X2X

### Matched system components

- System 2003 rack
- separate terminal block
- X2X Link cable
- upstream B&R controller

### SYSTEM INTEGRATION RECORD

| INTEGRATION ITEM | DOCUMENTED ROLE |
|---|---|
| **Installed host / carrier** | System 2003 rack |
| **Companion hardware** | separate terminal block |
| **Field connection** | X2X Link cable |
| **Primary system function** | Provides one X2X Link interface |
| **Controlled acceptance duty** | System 2003 remote I/O |

## 4 Applications and Engineering Context

**System 2003 remote I/O**

Provides one X2X Link interface

**X2X migration interface**

Uses a 24 V DC supply

**Electrically isolated expansion link**

Electrically isolates the expansion link

**Bus-controller replacement**

Connects a System 2003 station to X2X

### 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 / 7EX290.50-1 recorded |
| **Physical interface** | System 2003 rack |
| **Companion check** | separate terminal block |
| **Functional proof** | Provides one X2X Link interface |
| **Application test** | System 2003 remote I/O |

## 5 Engineering Precautions

1. Verify the full 7EX290.50-1 marking and its assigned B&R System 2003 expansion position before work.
2. Place the connected machine or process in the approved maintenance state.
3. Isolate the applicable supply and electrically isolated x2x link process data 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.

### RELATED PRODUCTS ON APTER POWER

| MODEL | SYSTEM ROLE | APTER POWER PAGE |
|---|---|---|
| ATV320U75N4B | Related industrial automation product | View ATV320U75N4B page |
| 51401583-200 | Related industrial automation product | View 51401583-200 page |
| CC-TAID11 | Related industrial automation product | View CC-TAID11 page |
| MC-IOLX02 | Related industrial automation product | View MC-IOLX02 page |
| 10102-2-1 | Related industrial automation product | View 10102-2-1 page |
| DC-TFB412 | Related industrial automation product | View DC-TFB412 page |
| DC-TCF901 | Related industrial automation product | View DC-TCF901 page |
| 8C-TDIL11 | Related industrial automation product | View 8C-TDIL11 page |

### MANUFACTURER SOURCE RECORD

B&R official product data sheet

B&R product data


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