



B&R; 0G0010.00-090

SYSTEM 2000/2005/2010 I/O Bus Expansion Cable

Product scope

- Provides a one-metre connection between B&R; I/O-bus expansion interfaces.
- Carries the local-bus path from an expansion master to a slave segment.
- Supports the documented segmented I/O architecture and module addressing.
- Must not be confused with the two-metre 0G0012.00-090 cable.

Manufacturer source

B&R; SYSTEM 2000 User's Manual V1.0 and B&R; SYSTEM 2005 User's Manual V4.0.

The enclosed record and retained manufacturer pages identify the exact product and explain its function, operating principle, application and critical matching requirements.

Request a fast quote	Product reference	
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B&R; 0G0010.00-090

SYSTEM 2000/2005/2010 I/O Bus Expansion Cable

Manufacturer-source product record

This record consolidates exact-model facts from the manufacturer references listed below. It is included to identify the ordering configuration before the retained source pages.

Product	I/O bus expansion cable
Length	1 m
Supported systems	B&R; SYSTEM 2000, B&R; 2005 and B&R; 2010 expansion arrangements documented by B&R;
Connection role	Links expansion master and expansion slave
Segment limit	Up to 10 bus segments in the documented SYSTEM 2000 arrangement
Modules per segment	Maximum 20 I/O modules
Addressing	Expansion-slave node numbers set in increments of ten with no duplicate address

Official references

- B&R; SYSTEM 2000 User's Manual V1.0 and B&R; SYSTEM 2005 User's Manual V4.0.
- Official source:
https://www.br-automation.com/downloads_br_productcatalogue/BRP444000000000000023999/MASYS22010-E_V10_02_2000.pdf

Only the exact configuration shown above is represented. Adjacent model variants, optional assemblies and system accessories are not treated as part of this ordering identity.

Function, operating principle and application

The notes below explain how this product is used and how its documented signal, power or control path operates. They remain limited to the manufacturer evidence for this model.

Purpose

The cable extends the local I/O bus between an expansion master and the next expansion-slave segment when a B&R; rack cannot be kept on one continuous base-plate section.

Operating principle

It carries the proprietary local-bus signals and their timing between the two expansion interfaces. The slave establishes the module-address range for the downstream segment from its node-number setting.

System application

The 1 m cable is used in documented SYSTEM 2000, 2005 and 2010 expansion layouts, including EX350 arrangements that operate I/O modules on additional backplanes.

Topology constraints

The expansion slave occupies the left-most position of its bus segment, while a suitable power supply is placed according to the system-manual layout. Each segment remains subject to the module-count limit.

Selection caution

Confirm the exact 1 m 0G0010.00-090 identity; the similar 0G0012.00-090 is the 2 m version. Inspect both bus connectors and verify unique slave addressing before restoring power.



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