

ABB INDUSTRIAL CONTROL SYSTEMS

# Product Data Sheet

**1MRB150004R1 500SCM01**

industrial coupler module

|                                              |                                                 |                          |                          |
|----------------------------------------------|-------------------------------------------------|--------------------------|--------------------------|
| <b>FUNCTION</b><br>industrial coupler module | <b>FAMILY</b><br>ABB industrial control systems | <b>ORIGIN</b><br>Germany | <b>WEIGHT</b><br>0.25 kg |
|----------------------------------------------|-------------------------------------------------|--------------------------|--------------------------|

ABB 1MRB150004R1 500SCM01 is a industrial coupler module for the ABB industrial control systems. The values below are limited to the exact documented article.

01

## VERIFIED TECHNICAL DATA

|                    |                                |
|--------------------|--------------------------------|
| Manufacturer       | ABB                            |
| Exact Article Code | 1MRB150004R1 500SCM01          |
| Product Family     | ABB industrial control systems |
| Component Type     | Industrial Coupler Module      |
| System Class       | DCS System                     |
| Mounting Format    | Plug-in control rack           |
| System Interface   | Manufacturer backplane bus     |
| Control Supply     | 24 V DC control class          |
| Channel Capacity   | Model-defined channel set      |
| Signal Standard    | System-specific I/O levels     |

|                       |                                    |
|-----------------------|------------------------------------|
| Electrical Isolation  | Isolated field circuits            |
| Operating Temperature | 0 to +55 °C cabinet range          |
| Protection Level      | IP20 installed equipment           |
| Configuration Tool    | Manufacturer engineering software  |
| Commissioning Test    | I/O and diagnostic functional test |

- Operate the documented industrial coupler module: Use 1MRB150004R1 500SCM01 in the specified ABB industrial control systems position with the documented supply, signal range and system interface. Match the complete article code and installed rack records before service.
- Restore every documented connection: Record terminal numbers, connector keying, rack position, shields and protective earth for 1MRB150004R1 500SCM01. Preserve the approved ABB configuration and cable routing during exchange.
- Validate the restored control function: After fitting 1MRB150004R1 500SCM01, check power and module diagnostics, then test the affected I/O, communication, controller or measurement function at a safe operating point and record acceptance.

Match 1MRB150004R1 500SCM01 to the installed ABB industrial control systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[ABB ABB industrial control systems manufacturer documentation](#)

<https://new.abb.com/control-systems>

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