

ABB INDUSTRIAL CONTROL SYSTEMS

Product Data Sheet

1MRB150004R0001 500SCM01

industrial coupler module

FUNCTION industrial coupler module	FAMILY ABB industrial control systems	ORIGIN Germany	WEIGHT 0.25 kg
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ABB 1MRB150004R0001 500SCM01 is a industrial coupler module for the ABB industrial control systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Manufacturer	ABB
Exact Article Code	1MRB150004R0001 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

ADDITIONAL PRODUCT DATA

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

OFFICIAL APPLICATIONS

- Operate the documented industrial coupler module: Use 1MRB150004R0001 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 1MRB150004R0001 500SCM01. Preserve the approved ABB configuration and cable routing during exchange.
- Validate the restored control function: After fitting 1MRB150004R0001 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.

SYSTEM COMPATIBILITY

Match 1MRB150004R0001 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.

OFFICIAL SOURCES

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

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

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM