

Product dashboard

ABB RPBA-01 is an R-series PROFIBUS DP adapter module for supported drive installations. It supports DP-V0 and DP-V1, automatically detects the telegram type and handles PPO message types 1 through 6.

Exact model

RPBA-01

Product type

PROFIBUS DP Adapter
Module

System family

R-series drive option
modules

Functional role

Fieldbus Adapter

PARAMETER	DOCUMENTED VALUE
Exact model	RPBA-01
Module class	PROFIBUS DP adapter
Protocol versions	DP-V0 and DP-V1
Telegram detection	Automatic
PPO message types	1 through 6
Communication profiles	PROFIdrive and ABB Drives
Compatible drive families	ACS550, ACH550 and ACS800
Commissioning basis	Address, termination and drive parameters

Release basis: verify the exact identity, retained host relationship, connected interfaces and controlled functional result.

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RPBA-01

System overview

RPBA-01 links a compatible drive to a PROFIBUS master while preserving the documented communication profile, node address, bus termination and telegram configuration.

- Installed-system renewal**

Restores the documented RPBA-01 position while keeping the approved host and interfaces.
- Controlled maintenance**

Supports as-found recording, safe isolation and exact connection restoration.
- Compatibility review**

Compares the full marking, host, connectors, settings and companion hardware.
- Commissioning evidence**

Records diagnostics and a controlled functional test of PROFIBUS DP communication between a supported drive and the control network.

SYSTEM POSITION		RECORD
Installed identity		RPBA-01

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Technical data map

PARAMETER	VERIFIED VALUE
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CONTROL BAND	VERIFICATION RECORD
Identity	Exact model and complete label
Mechanical	Form, seating and retention
Interfaces	Power, wiring, communication and protection
Configuration	Settings, project and revision
Release	PROFIBUS DP communication between a supported drive and the control network

Technical evidence record: 3AFE64504215

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Applications and precautions

1

Confirm the complete RPBA-01 marking before work.

2

Place the affected equipment in its approved maintenance state.

3

Isolate connected energy and prove the circuit safe.

4

Photograph the slot, wiring, connectors and settings before removal.

5

Match every documented interface and companion component.

6

Restore mechanical retention, shielding and protective earth.

7

Review hardware, network and controller diagnostics after energization.

8

Functionally verify PROFIBUS DP communication between a supported drive and the control network before service release.

Complete each check against the installed record; hold release when any identity, connection, configuration or diagnostic result differs.

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Buyer and engineering FAQ

What does RPBA-01 identify?

RPBA-01 identifies the profibus dp adapter module used for PROFIBUS DP communication between a supported drive and the control network.

Which installed system must RPBA-01 match?

Match RPBA-01 to the recorded R-series drive option modules host, position and companion hardware.

Which markings must be checked on RPBA-01?

Verify the complete RPBA-01 text and every suffix, revision or assembly marking on the supplied item.

What should be recorded before removing RPBA-01?

Record the slot, connectors, cable labels, switches, parameters, adjacent hardware and diagnostic state.

Related Apter Power pages

[ABB PM590 ETH 1SAP150000R0271 — View product page](#)

[ABB 3HAC5954 1 — View product page](#)

[ABB 3BHE022293R0101 PCD232A — View product page](#)

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