

ABB DRIVE COMMUNICATION ADAPTERS

Product Data Sheet

RPBA-01 3ABD64606859

PROFIBUS DP adapter module

FUNCTION	FAMILY	ORIGIN	WEIGHT
PROFIBUS DP adapter module	ABB drive communication adapters	Finland	0.06 kg

ABB Drives RPBA-01 3ABD64606859 is a PROFIBUS DP adapter module for the ABB drive communication adapters. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

Component Class	PROFIBUS DP adapter module
Drive Family	ABB drive communication adapters
Primary Function	Connects ABB drives as PROFIBUS slaves
Power Architecture	R-series drive option architecture
Voltage Class	5 V drive backplane supply
Current Rating	350 mA maximum consumption
Control Supply	Internal control-board power
Power Section	ABB drive option slot
Mechanical Design	95 × 34 × 20 mm enclosure
Electrical Interface	9-pin female D-sub PROFIBUS

ADDITIONAL PRODUCT DATA

Cooling Integration	Drive ambient cooling conditions
Board Designation	RPBA-01 hardware designation
Service Role	Cyclic and acyclic drive data
Product Status	DP-V0 and DP-V1 support
Commissioning Check	Verify node address and process data

OFFICIAL APPLICATIONS

- Exchange cyclic command, reference and status data with the ABB drive: Use RPBA-01 to connect the documented ABB drive as a PROFIBUS DP slave. Match the drive type, option slot, master configuration, PPO selection and process-data mapping before enabling network control.
- Set a unique node address and preserve RS-485 termination: Record the rotary switch setting, 9-pin D-sub wiring, shield bonding, built-in termination position and cable route. Confirm the selected baud rate and maintain the approved multi-drop segment topology.
- Prove drive control and acyclic parameter access before service: After installation, refresh the fieldbus adapter parameters and verify communication LEDs, control word, status word, references and actual values. Test required DP-V1 services and retain the final configuration record.

SYSTEM COMPATIBILITY

Match RPBA-01 3ABD64606859 to the installed ABB drive communication adapters, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[ABB RPBA-01 PROFIBUS DP Adapter Module User's Manual 3AFE64504215](#)

https://library.e.abb.com/public/e237d196965e3919c22570230037a6c7/EN_RPBA01_UM_F_A4.pdf

AMIKON PRODUCT SUPPORT

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