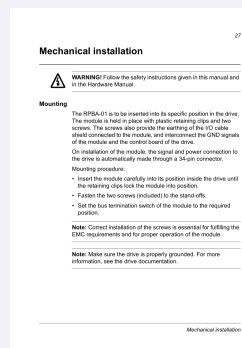


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

RPBA-01 3ABD64606859

PROFIBUS DP adapter module



PRODUCT	RPBA-01 3ABD64606859
FAMILY	ABB drive communication adapters
FUNCTION	PROFIBUS DP adapter module
STATUS	Verify exact installed equipment

Prepared by Amikon Limited from ABB Drives documentation. This guide supplements the complete manufacturer manual and site procedure.

01

CONFIRM THE ORDERED CONFIGURATION

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

02

PREPARATION AND CONNECTION

- Confirm the complete RPBA-01 3ABD64606859 article number and installed revision.
- Isolate applicable electrical and process energy using the approved site procedure.
- Record every connector, cable, terminal, shield and protective-earth connection before removal.
- Install without forcing keyed parts, then secure terminals, latches, fasteners and cable supports.

Mechanical installation



WARNING! Follow the safety instructions given in this manual and in the Hardware Manual.

Mounting

The RPBA-01 is to be inserted into its specific position in the drive. The module is held in place with plastic retaining clips and two screws. The screws also provide the earthing of the I/O cable shield connected to the module, and interconnect the GND signals of the module and the control board of the drive.

On installation of the module, the signal and power connection to the drive is automatically made through a 34-pin connector.

Mounting procedure:

- Insert the module carefully into its position inside the drive until the retaining clips lock the module into position.
- Fasten the two screws (included) to the stand-offs.
- Set the bus termination switch of the module to the required position.

Note: Correct installation of the screws is essential for fulfilling the EMC requirements and for proper operation of the module.

Note: Make sure the drive is properly grounded. For more information, see the drive documentation.

Mechanical installation

04

COMMISSIONING CHECKS

- 01 Confirm product identity and mechanical seating.
- 02 Verify the documented supply before energising.
- 03 Inspect polarity, shielding and protective-earth connections.
- 04 Restore power in the approved sequence and observe status indications.
- 05 Test each connected input, output or communication path.
- 06 Record diagnostics and functional-test results before return to service.

05

CONTROLLED DOCUMENT

Official source	ABB RPBA-01 PROFIBUS DP Adapter Module User's Manual 3AFE64504215
Product record	RPBA-01 3ABD64606859
Manufacturer	ABB Drives
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM