Quick installation and start-up guide
FPBA-01 PROFIBUS DP adapter module

Safety instructions

⚠ **WARNING**! Obey the safety instructions. If you ignore them, injury or death, or damage to the equipment can occur. See the user's manual.
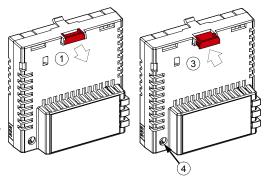
Mechanical installation

1. Pull out the lock.

2. Install the module carefully to an option module slot of the drive. See the drive hardware manual.

3. Push in the lock.

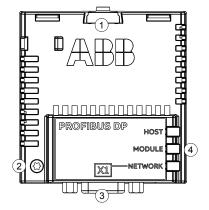4. Tighten the screw to torque 0.8 N·m using a Torx TX10 screwdriver.

⚠ **WARNING**! Do not use excessive force, or leave the screw too loose. Over-tightening can damage the screw or module. A loose screw decreases the EMC performance, and can even cause an operation failure.

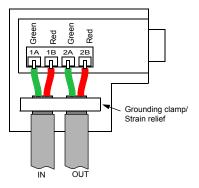## Electrical installation

■ **Layout of the module**

No.	Description
1	Lock
2	Mounting and grounding screw
3	Bus connector [X1]
4	Diagnostic LEDs

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■ **Connection procedure**

It is recommended to use a PROFIBUS-approved D-SUB 9 connector. These connectors have a built-in termination network and inductors for station capacitance compensation.

Connect the cable to the D-SUB connector as shown in this figure.

Start-up

When the module is connected to the drive, the drive control program sets the applicable parameters. See the appropriate drive manual.

■ **Basic parameter settings**

Index	Name	Value
20.01	Ext1 commands	Fieldbus A
22.11	Speed ref1 source	FBA A ref 1
28.11	Frequency ref1 source	FBA A ref 1
50.01	FBA A enable	Enable (or select the option slot in which the module is installed)
50.02	FBA A comm loss func	Fault
51.02	Node address	Set the node address of the module according to the network configuration.
51.05	Profile	The ABB Drives communication profile is the default value.
52.01	FBA A data in1	SW 16bit
52.02	FBA A data in2	Act 16bit
53.01	FBA A data out1	CW 16bit
53.02	FBA A data out2	Ref1 16bit

To take the settings into use, validate and refresh the parameters with parameter *51.27 FBA par refresh*.

Further information

See the latest version of *FPBA-01 PROFIBUS DP adapter module user's manual* (3AFE68573271 [English]) in ABB library (www.abb.com/drives/documents).

For more information on fieldbus options and protocols provided by ABB Drives, see the fieldbus communications web page (new.abb.com/drives/connectivity/fieldbus-connectivity).

FPBA-01 manual

Fieldbus communications web page

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