Quick installation and start-up guide
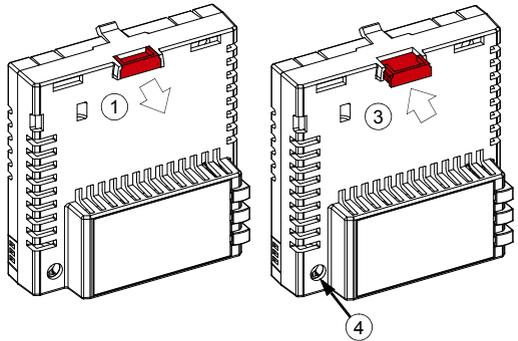## FECA-01 EtherCAT® adapter module

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.
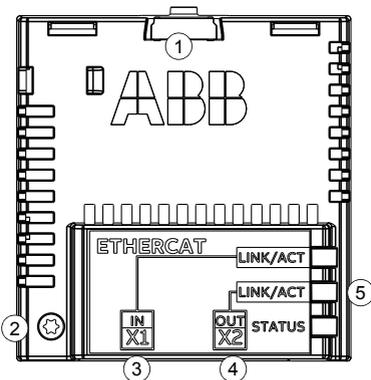
Mechanical installation

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	RJ-45 connector [X1 IN]
4	RJ-45 connector [X2 OUT]
5	Diagnostic LEDs

◼ Connection procedure

1. Connect the network cables to connectors [X1 IN] and [X2 OUT] on the module.

2. Connect the cable from the EtherCAT master to the left port [X1 IN].

3. In the line topology, if there are more slave devices in the same line, connect the next slave device to the right port [X2 OUT].

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	Profile	The CANopen device profile (CiA 402) is the default value.

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 *FECA-01 EtherCAT® adapter module user's manual* (3AUA0000068940 [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).

FECA-01 manual

Fieldbus communications web page

Power and productivity
for a better world™

ABB