

OFFICIAL MODEL-SPECIFIC GUIDE

Installation Instructions

CI851K01 3BSE018101R1

ABB AC 800M communication interfaces · PROFIBUS-DP interface kit

01 VERIFIED CONFIGURATION

Interface Protocol	PROFIBUS-DP
Network Role	Master interface
Maximum Rate	12 Mbit/s
Bus Connector	9-pin D-sub
Module Package	CI851K01 kit

02 DOCUMENTED INSTALLATION SCOPE

- Isolate all applicable electrical and process energy before work.
- Confirm the exact article number, option slot and connector assignments.
- Follow the official ABB mounting, wiring and commissioning sequence.

INSTALLATION CHECK

Confirm compatible drive or controller hardware and site procedure before work.

Mounting Procedure for PM8xx and CI8xx Units, Complete with Baseplates



This topic does not apply to PM891. See [Mounting Procedure for PM891 Unit](#) on page 70.

Before mounting any processor unit or communication interface onto the DIN-rail, read carefully the installation instructions provided with the equipment. Since the electronic unit and baseplate are supplied as a single unit, there is no requirement to separate them during the mounting procedure.

Mounting the units onto the DIN-rail only requires a blade screwdriver that fits securely into the baseplate locking screw (1 mm slot). For further details on mounting procedure, see [Figure 17](#) on page 69.



It is not allowed to manipulate CEX bus baseplates in a powered and running system. Before changing or removing a baseplate, all CEX modules on that segment must be removed.

Use the following procedure to mount the baseplates, complete with units:

1. Rotate the locking device to the **OPEN** position (1), hook the upper hook at the rear of the unit baseplate securely over the upper edge of the DIN-rail and gently snap the baseplate fully into the mounting position.
2. Rotate the locking device to the **SLIDE** position (2), slide the unit along the DIN-rail to the desired mounting position and using the connector plugs and sockets gently attach it to the adjacent unit baseplate.



To prevent damage to the pins, be sure the baseplate plugs and sockets are fully aligned as the units interconnect. Under no circumstances use excessive force!

3. When interconnection is complete, rotate the locking device clockwise to the **LOCKED** position (3). The baseplate is now fully locked into position and has a good ground connection to the DIN-rail.



It is essential that the locking device be placed in the **LOCKED** position to avoid possible problems caused by vibration and/or intermittent grounding.

For further visual information on mounting AC 800M Controller units, see [Figure 18](#) on page 69.

Prefabricated aluminum profile

There are aluminum profiles for horizontal mounting. The aluminum profile gives an excellent grounding and rigid mounting of products concerned. The aluminum profile shall be fastened to the cabinet with at least 4 self-tapping screws.

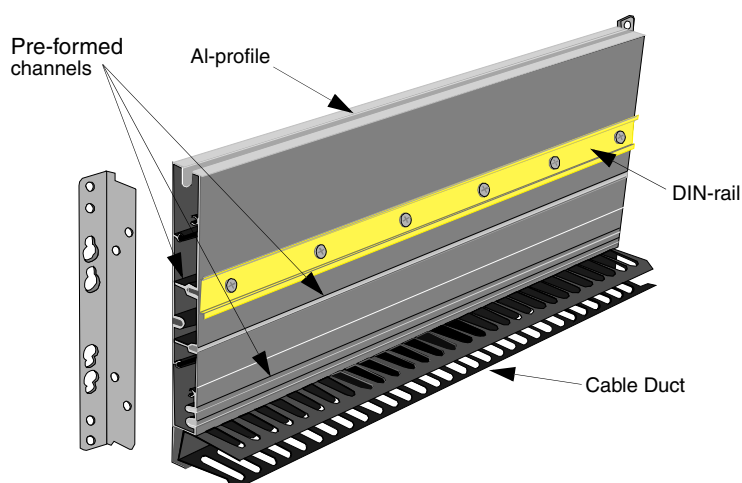


Figure 16. Al-profile for DIN-rail support

The profile has grooves for screws that can be used for fastening the modules in an environment with high vibrations.



The AC 800M Controller and associated units must be unpowered and disconnected when being mounted onto a DIN-rail!