

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

ABB

CI851K01 3BSE018101R1

PROFIBUS-DP INTERFACE KIT

Used with the applicable ABB AC 800M communication interfaces configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: ABB official manufacturer documentation

Table 77. CI851 PROFIBUS DP Interface Specifications (Continued)

Item	Value
Capacity	Max 32 loads
Protection Rating	IP20 according to EN60529, IEC 529
Weight	700 g (1.5 lb) (package CI851K01 with CI851 and TP851).
Dimensions	W 59 x H 185 x D 127.5 mm (W 2.9 x H 7.3 x D 5.0 in)

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Installing the PROFINET IO Interface CI871

The CI871 unit is powered from the processor unit through the CEX-Bus, which requires no additional external power source.

To install CI871:

1. Mount the CI871 unit on the DIN-rail.
2. Connect the 100 Mbps Ethernet cable to the CH1 connector on the baseplate.
3. Connect the other end of the Ethernet cable to the PROFINET IO network.

Installing the MOD5 Interface CI872

The CI872 unit is powered from the processor unit through the CEX-bus, and does not require any additional external power source.

To install CI872:

1. Mount the unit onto the DIN-rail.
2. Connect the fiber optic cables to the CH1, CH2, and CH3 connectors on the CI872. Leave the protective plugs mounted on unused ports.
3. Connect the other end of the fiber optic cable to a MOD5 controller.

Fiber Optics Specifications

The following data applies for the fiber optics connections between the AC 800M controller and MOD5 controllers:

- Wavelength: 820 nm.
- Fiber size: 62.5/125 μ m multimode glass fiber.
- Connector type: ST.
- Max nominal fiber damping including connectors: 11 dB.