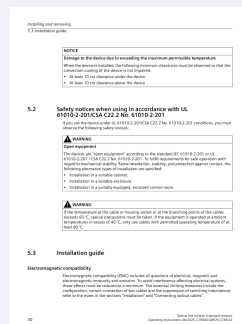


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

6GK1503-2CA01

PROFIBUS optical link module



PRODUCT	6GK1503-2CA01
FAMILY	SIMATIC NET OLM/P11
FUNCTION	PROFIBUS optical link module
SOURCE	Siemens SIMATIC NET OLM/P11 technical documentation

01 OFFICIAL MOUNTING AND WIRING

- Observe the documented cooling clearances and installation safety notices.
- Engage the upper mounting hooks onto the 35 mm DIN rail and press the lower side into place.
- For wall mounting, use the official mounting plate and provide the specified low-resistance grounding.

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Installing and removing

5.1 Safety notices for installation

Safety notices

When installing the device, keep to the safety notices listed below.



WARNING

If a device is operated in an ambient temperature of more than 50 °C, the temperature of the device housing may be higher than 70 °C. The device must therefore be installed so that it is only accessible to service personnel or users that are aware of the reason for restricted access and the required safety measures at an ambient temperature higher than 50 °C.



WARNING

Cable

If the cable or conduit entry point exceeds 70 °C or the branching point of conductors exceeds 80 °C, special precautions must be taken. If the equipment is operated in an air ambient in excess of 50 °C, only use cables with admitted maximum operating temperature of at least 80 °C.



WARNING

If the device is installed in a cabinet, the inner temperature of the cabinet corresponds to the ambient temperature of the device.



WARNING

Warming and premature aging of the device due to direct sunlight/UV light

Direct sunlight and UV light can heat up the device and can lead to premature aging of the device and its cabling.

Provide suitable shade to protect the device against direct sunlight and UV light.

NOTICE

Damage to the device due to exceeding the maximum permissible temperature

When the device is installed, the following minimum clearances must be observed so that the convection cooling of the device is not impaired:

- At least 10 cm clearance under the device
- At least 10 cm clearance above the device

5.2 Safety notices when using in accordance with UL 61010-2-201/CSA C22.2 No. 61010-2-201

If you use the device under UL 61010-2-201/CSA C22.2 No. 61010-2-201 conditions, you must observe the following safety notices:

 WARNING

Open equipment

The devices are "open equipment" according to the standard IEC 61010-2-201 or UL 61010-2-201 / CSA C22.2 No. 61010-2-201. To fulfill requirements for safe operation with regard to mechanical stability, flame retardation, stability, and protection against contact, the following alternative types of installation are specified:

- Installation in a suitable cabinet.
- Installation in a suitable enclosure.
- Installation in a suitably equipped, enclosed control room.

 WARNING

If the temperature at the cable or housing socket or at the branching points of the cables exceeds 60 °C, special precautions must be taken. If the equipment is operated at ambient temperatures in excess of 40 °C, only use cables with permitted operating temperature of at least 80 °C.

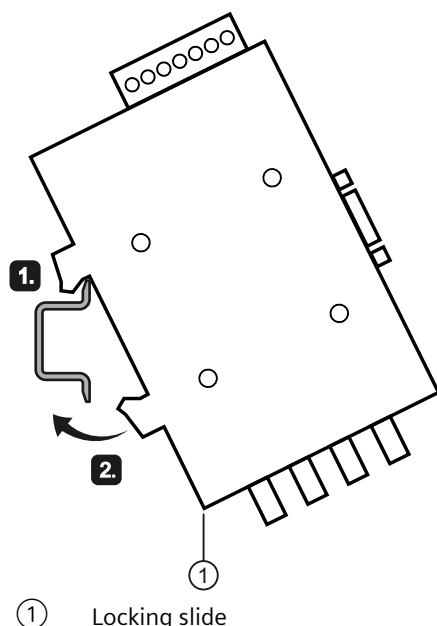
5.3 Installation guide

Electromagnetic compatibility

Electromagnetic compatibility (EMC) includes all questions of electrical, magnetic and electromagnetic immunity and emission. To avoid interference affecting electrical systems, these effects must be reduced to a minimum. The essential limiting measures include the configuration, correct connection of bus cables and the suppression of switching inductances; refer to the notes in the sections "Installation" and "Connecting optical cables".

5.5 Mounting on DIN rails

Mounting



① Locking slide

Figure 5-3 Mounting a module on a DIN rail

To install the module on a 35 mm DIN rail complying with DIN EN 60715, follow the steps below:

1. Fit the upper securing hooks of the module onto the top of rail ①.
2. Push the module down against rail until it locks in place ②.

Removal

To remove the module from a DIN rail, follow the steps below:

1. Pull the locking slide on the bottom of the module downwards.
2. Pull the lower part of the device away from the DIN rail.

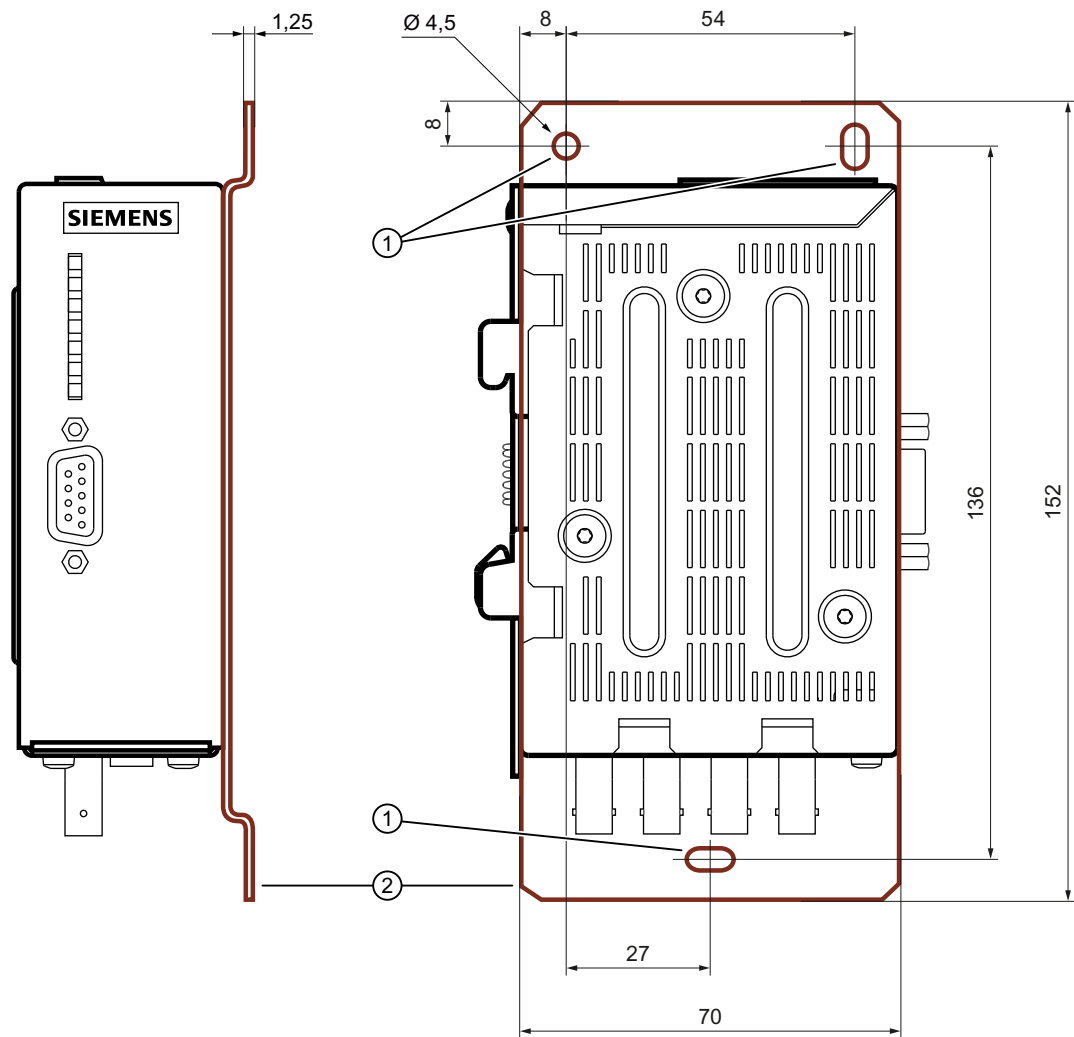
5.6 Wall mounting

Mounting

To mount the module on a wall, follow the steps below:

1. Unscrew the 3 screws on the right side of the OLM (the side with the type label).
2. Use these 3 screws to secure the mounting plate (MLFB: 6GK1503-8AA00).
3. Secure the OLM to the wall or a cabinet plate.

The mounting plate must provide low-resistance and low-inductance grounding.



- ① Holes for wall mounting
- ② Mounting plate with OLM fitted

Figure 5-4 Mounting a module using a mounting plate