

Instruction Manual

Marking


Com Unit FB8210*
Pepperl+Fuchs GmbH Lilienthalstraße 200, 68307 Mannheim, Germany
EC-Type Examination Certificate: PTB 97 ATEX 1074 U Group, category, type of protection:  II 2 G Ex d IIC Gb

table 1

Validity

Specific processes and instructions in this instruction manual require special provisions to guarantee the safety of the operating personnel. Observe laws, standards, and directives applicable to the intended use and the operating location. Observe Directive 1999/92/EC in relation to hazardous areas.

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The corresponding datasheets, declarations of conformity, EC-type-examination certificates, certificates and control drawings if applicable (see datasheet) are an integral part of this document. You can find this information under www.pepperl-fuchs.com.

Due to constant revisions, documentation is subject to permanent change. Please refer only to the most up-to-date version, which can be found under www.pepperl-fuchs.com.

Target Group, Personnel

Responsibility for planning, assembly, commissioning, operation, maintenance, and dismantling lies with the plant operator.

Mounting, installation, commissioning, operation, maintenance and dismantling of the device may only be carried out by appropriate trained and qualified personnel. The instruction manual must be read and understood.

Intended Use

The device is only approved for appropriate and intended use. Ignoring these instructions will void any warranty and absolve the manufacturer from any liability.

Use the device only within the specified ambient conditions.

Only use the device stationary.

The I/O modules, com units, and power supplies of the remote I/O system must only be used together with the associated backplanes.

The backplane connections are non-intrinsically safe.

Improper Use

Protection of the personnel and the plant is not ensured if the device is not being used according to its intended use.

The device is not suitable for isolating signals in power installations unless this is noted separately in the corresponding datasheet.

Mounting and Installation

Prior to mounting, installation, and commissioning of the device you should make yourself familiar with the device and carefully read the instruction manual.

Observe the instruction manuals for the associated backplanes.

The device must only be operated in the specified ambient temperature range and at the specified relative humidity without condensation.

Do not mount the device at locations where an aggressive atmosphere may be present.

All circuits connected to the device must comply with the overvoltage category II (or better) according to IEC/EN 60664-1.

Do not mount a damaged or polluted device.

Push the module into the slot until all rear catches have audibly engaged in position. The module must engage twice.

Do not push the modules into the slots with too much force. The rear connections of the devices may be damaged if using excessive force. In this case the explosion protection can no longer be ensured.

The device may only be installed and operated in Zone 1 if mounted in a surrounding enclosure, which corresponds to equipment protection level Gb.

Surrounding Enclosure

Place warning marking "Warning – Refer to instruction manuals!" visibly on the surrounding enclosure.

Avoid electrostatic charges which could result in electrostatic discharges while installing or operating the device.

Place warning marking "Warning – Avoid electrostatic charge!" visibly on the surrounding enclosure.

The surrounding enclosure when energized may be opened for maintenance in Zone 1 provided that the following conditions are met:

- The connections of the non-intrinsically safe circuits must be protected by a cover with a degree of protection IP30.
- All other devices in the surrounding enclosure must permit the opening of the surrounding enclosure when energized in Zone 1.
- An appropriate marking is placed on the surrounding enclosure.

Operation, Maintenance, Repair

Prior to using the device you should make yourself familiar with the device and carefully read the instruction manual.

The device must not be repaired, changed or manipulated.

If there is a defect, always replace the device with an original device from Pepperl+Fuchs.

Only remove the device with the corresponding mounting tool. The mounting tool requires a two-stage removing procedure.

1. Unlock

2. Remove

Do not use a damaged or polluted device.

Push the module into the slot until all rear catches have audibly engaged in position. The module must engage twice.

Do not push the modules into the slots with too much force. The rear connections of the devices may be damaged if using excessive force. In this case the explosion protection can no longer be ensured.

Observe IEC/EN 60079-17 for maintenance and inspection.

The surrounding enclosure when energized may be opened for maintenance in Zone 1 provided that the following conditions are met:

- The connections of the non-intrinsically safe circuits must be protected by a cover with a degree of protection IP30.
- All other devices in the surrounding enclosure must permit the opening of the surrounding enclosure when energized in Zone 1.
- An appropriate marking is placed on the surrounding enclosure.

Except for FB I/O modules with Ex e connections, all FB I/O modules, FB power supplies, and FB com units may be swapped in Zone 1 while energized (hot swap).

Delivery, Transport, Disposal

Check the packaging and contents for damage.

Check if you have received every item and if the items received are the ones you ordered.

Keep the original packaging. Always store and transport the device in the original packaging.

Store the device in a clean and dry environment. The permitted ambient conditions (see datasheet) must be considered.

Disposing of device, packaging, and possibly contained batteries must be in compliance with the applicable laws and guidelines of the respective country.