

Instruction Manual

Marking

Fieldbus Terminator F*-FT-Ex1
EC-type examination certificate: DMT 01 ATEX 104 X ⓧ II 1G Ex ia IIC T6 ... T4 Ga , ⓧ II 2G Ex db ia IIC T6 ... T4 Gb , ⓧ II 2G Ex db mb IIC T6 ... T4 Gb IECEx BVS 10.0022X Ex ia IIC T6 ... T4 Ga , Ex db ia IIC T6 ... T4 Gb , Ex db mb IIC T6 ... T4 Gb

table 1

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table 2

Validity

Specific processes and instructions in this instruction manual require special provisions to guarantee the safety of the operating personnel.

Target Group, Personnel

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

The personnel must be appropriately trained and qualified in order to carry out mounting, installation, commissioning, operation, maintenance, and dismantling of the device. The trained and qualified personnel must have read and understood the instruction manual.

Prior to using the product make yourself familiar with it. Read the instruction manual carefully.

Reference to Further Documentation

Observe laws, standards, and directives applicable to the intended use and the operating location. Observe Directive 1999/92/EC in relation to hazardous areas.

The corresponding datasheets, manuals, declarations of conformity, EU-type examination certificates, certificates, and control drawings if applicable supplement 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.

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.

The terminator eliminates signal reflections at the end of the cable.

Use the device only within the specified ambient and operating conditions.

The device is an electrical apparatus for hazardous areas.

The device is screwed directly onto the terminal box or onto the housing of field devices.

Improper Use

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

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.

Do not mount a damaged or polluted device.

Observe the ambient and operating conditions when mounting and installing the device.

Use mounting materials which are suitable to secure the device safely.

Secure the device against loosening by suitable means.

Suitable means:	- Glue - Locknuts - etc.
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table 3

Include the metal housing components in the equipotential bonding.

Keep the separation distances between all non-intrinsically safe circuits and intrinsically safe circuits according to IEC/EN 60079-14.

Hazardous Area

Observe the installation instructions according to IEC/EN 60079-14.

Mark permanently the selected type of protection for your specified application. Use the tick box on the nameplate for that. It is forbidden to change this marking afterwards.

Gas

The device may be installed in gas groups IIC, IIB, and IIA.

The device may be installed in Zone 1.

Connection or disconnection of energized non-intrinsically safe circuits is only permitted in the absence of a potentially explosive atmosphere.

Do not mount the device in the dust hazardous area.

Type of Protection

Level of Protection Ex ia

The device is designed for use in intrinsically safe fieldbus systems according to FISCO.

Observe the installation instructions according to IEC/EN 60079-25.

The device may be installed in Zone 0.

Type of Protection Ex d

For mounting on a housing with type of protection Ex d, at least 5 thread revolutions must be in mechanical connection with the housing.

If you mount the device on an enclosure with type of protection Ex d, observe the maximum permissible explosion pressure (reference pressure) of the enclosure.

Type of Protection Ex e

For mounting on a housing with type of protection Ex e, the thread must ensure the degree of protection IP54.

Cover the thread with the following material:	PTFE tape
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table 4

Operation, Maintenance, Repair

Do not repair, modify, or manipulate the device.

If there is a defect, always replace the device with an original device.

The device is designed for mounting onto an enclosure in type of protection Ex d.

The device is designed for mounting onto an enclosure in type of protection Ex e.

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.

Always store and transport the device in the original packaging.

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

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