Instruction Manual

1. Marking

SFP transceiver SFP*
ATEX certificate: TÜV 20 ATEX 8572 X ATEX marking: ⬡ II 3 G Ex ec IIC T4 Gc
IECEx certificate: IECEx TUR 21.0013 X IECEx marking: Ex ec IIC T4 Gc

The *-marked letters of the type code are placeholders for versions of the device.
You will find the exact device designation on the nameplate.

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2. Target Group, Personnel

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

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

3. Reference to Further Documentation

Observe laws, standards, and directives applicable to the intended use and the operating location.

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.

In order to access this documentation, enter the product name, i. e. the type code, or the item number of the product in the search field of the website.

For specific device information such as the year of construction, scan the QR code on the device. As an alternative, enter the serial number in the serial number search at www.pepperl-fuchs.com.

4. Intended Use

The module is a pluggable transceiver interface for optical Ethernet communication. The module is plugged into a standardized SFP or SFP+ slot according to the Multi-Source Agreement (MSA) for SFP or SFP+.

5. Improper Use

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

6. 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.

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

The device may be installed in Zone 2.

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

7. Hazardous Area

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

The device must be installed and operated only in an environment of overvoltage category II (or better) according to IEC/EN 60664-1.

The device must be installed and operated only in a controlled environment that ensures a pollution degree 2 (or better) according to IEC/EN 60664-1.

If used in areas with higher pollution degree, the device needs to be protected accordingly.

The device must be installed and operated only in surrounding enclosures that

- comply with the requirements for surrounding enclosures according to IEC/EN 60079-0,

- are rated with the degree of protection IP54 according to IEC/EN 60529.

Only plug and pull the energized module in the absence of a potentially explosive atmosphere.

Secure the connection mechanically by the bale clasp.

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

When the module is used with network switches not from Pepperl+Fuchs:

- Provide a transient protection. Ensure that the peak value of the transient protection does not exceed 140 % of 85 V.

- Measure the ambient temperature at the reference point. The ambient temperature must not be exceeded at the reference point. For details contact Pepperl+Fuchs.

8. Operation, Maintenance, Repair

Do not repair, modify, or manipulate the device.

Do not use a damaged or polluted device.

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

9. Return

Take the following precautions before you return the device to Pepperl+Fuchs.

Remove all adhering residues from the device. These residues can be hazardous to health.

Fill in the form "Declaration of Contamination". You can find this form on the product detail page at www.pepperl-fuchs.com.

Enclose the filled in "Declaration of Contamination" form with the device.

Pepperl+Fuchs can examine and repair a returned device, only if a completed form is included in the return.

If needed, include special handling instructions with the device.

Specify the following information:

- Chemical and physical characteristics of the product
- Description of the application
- Description of the error that occurred (specify error code if possible)
- Operating time of the device

10. 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.

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

The device, built-in components, packaging, and any batteries contained within must be disposed in compliance with the applicable laws and guidelines of the respective country.

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