


# Instruction Manual

## 1. Marking

Adapter K-device - S1000 termination board
S1000-KFD Adapter
ATEX certificate: CESI 04 ATEX 142 X ATEX marking:  II (1)G [EEEx ia] IIC
IECEX certificate: IECEX LCI 07.0013X IECEX marking: [Ex ia] IIC , [Ex iaD]

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## 2. 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.

## 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 (see datasheet) are an integral part of this document. You can find this information under [www.pepperl-fuchs.com](http://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](http://www.pepperl-fuchs.com).

## 4. 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 and operating conditions. The adapter provides the mounting of isolators of the interface technology on non-compatible systems.

Observe the instruction manuals for the associated termination boards.

Observe the instruction manuals for the associated modules.

Only use the device stationary.

The device is an associated apparatus according to IEC/EN 60079-11.

## 5. Improper Use

Protection of the personnel and the plant is not ensured if the device is not 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.

## 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.

The device must be installed outside of the hazardous area.

Mount the device in a way that the device is protected against mechanical hazard.

Mount the device in a surrounding enclosure.

Mount the device with at least a degree of protection of IP20 according to IEC/EN 60529.

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.

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

Observe the corresponding documentation or the information on the device for the correct assignment of the terminals to the modules and their respective channels.

Observe the tightening torque of the screws.

## Requirements for Usage as Associated Apparatus

If circuits with type of protection Ex i are operated with non-intrinsically safe circuits, they must no longer be used as circuits with type of protection Ex i.

The intrinsically safe circuits are provided by the connected modules.

Observe the maximum values of the device, when connecting the device to intrinsically safe apparatus.

If the device replaces a predecessor device, the documentation for the verification of intrinsic safety must be adjusted.

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

Observe the compliance of the separation distances between two adjacent intrinsically safe circuits according to IEC/EN 60079-14.

## 7. Operation, Maintenance, Repair

Observe the warning markings.

Before plugging in or pulling out the adapter, if voltages exceed 50 V, de-energize the device first.

Do not repair, modify, or manipulate the device.

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

## 8. 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.