

# Instruction Manual

## Marking

Power supply module KLD2-FBPS-1.25.360
Statement of conformity: TUV 06 ATEX 553079 X II 3G Ex ec IIC T4 Gc
Power supply module KLD2-FBPS-1.12.220
Statement of conformity: TUV 06 ATEX 553079 X II 3G Ex ec IIC T4 Gc

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](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).

## Intended Use

The device is a power supply module designed for powering FOUNDATION Fieldbus H1 segments in accordance with IEC/EN 61158-2.

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

The device is an electrical apparatus for hazardous areas of Zone 2.

The device is designed for mounting on a 35 mm DIN mounting rail according to EN 60715.

## 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.

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

The device must be installed and operated only in an 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.

## Hazardous Area

If the device has already been operated in general electrical installations, the device may subsequently no longer be installed in electrical installations used in combination with hazardous areas.

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

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

## Gas

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

## Zone 2

The device may be installed in Zone 2.

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

## Housings and Surrounding Enclosures

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.

## 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.

## 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 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.