Instruction Manual

1. Marking

Surge Protector FS-LBF-I1.32, FN-LBF-I1.32
ATEX certificate: KEMA 04 ATEX 1317 X ATEX marking: ⟨Ex⟩ II 2(1)G Ex ia [ia Ga] IIC T6...T5 Gb
IECEx certificate: IECEx KEM 09.0081X IECEx marking: Ex ia [ia Ga] IIC T6...T5 Gb
CCC certificate: 2021312304001165 CCC marking: Ex ia [ia Ga] IIC T5/T6 Gb, Ex ia IIC T5/T6 Gb

Pepperl+Fuchs Group Lilienthalstraße 200, 68307 Mannheim, Germany
Internet: www.pepperl-fuchs.com

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.

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

3. Reference to Further Documentation

Observe directives, standards, and national laws 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.

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

The device may be installed in the non-hazardous area.

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

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

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

The device is designed to protect equipment from damage caused by indirect effects of lightning or other transient overvoltages.

This protection is achieved by diverting the increased transient current and limiting the voltage during the duration of the overvoltage surge.

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

5. Improper Use

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

The device is not suitable to separate intrinsically safe circuits from non-intrinsically safe circuits.

6. Mounting and Installation

Do not mount a damaged or polluted device.

Use the device only within the specified ambient temperature range.

Do not mount the device in the dust hazardous area.

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

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.

The device may be installed in the non-hazardous area.

The device may be installed in Zone 1.

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

The level of protection is determined by the connected intrinsically safe circuit.

The level of protection of the circuit is not changed by the device.

Observe the respective peak values of the field device and the associated apparatus with regard to explosion protection when connecting intrinsically safe field devices with intrinsically safe circuits of associated apparatus (verification of intrinsic safety). Also observe IEC/EN 60079-14 and IEC/EN 60079-25.

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.

Specific Conditions of Use

The dielectric strength of at least 500 V AC for the intrinsically safe circuit is limited by the surge protection.

7. Operation, Maintenance, Repair

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.

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.