

Instruction Manual

1. Marking

Bullet WirelessHART Adapter WHA-BLT-F9D0-N-A0-Z1-1
ATEX certificate: FM 17 ATEX 0046 X ATEX marking: Ⓔ II 2 G Ex db IIC T6...T5 Gb Ⓔ II 2 D Ex tb IIIC T95°C Db
FM approval: FM 17 NUS 0010 FM 17 US 0191 X Approved for: XP Class I, II, III, Division 1, Groups A-G Class I, Zone 1, AEx db IIC T6...T5 Gb Zone 21, AEx tb IIIC T95°C Db CSA approval: FM 17 NCA 0004 FM 17 CA 0102 X Approved for: XP Class I, II, III, Division 1, Groups A-G Ex db IIC T6...T5 Gb Ex tb IIIC T95°C Db
IECEX certificate: IECEX FMG 17.0020X IECEX marking: Ex db IIC T6...T5 Gb , Ex tb IIIC T95°C Db
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2. Validity

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

3. 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 (see datasheet) are an integral part of 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.

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 temperature range.

The device is used in control and instrumentation technology (C&I technology) for wireless data transfer from HART devices.

Take the intended use of the connected devices from the corresponding documentation.

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 the device at locations where an aggressive atmosphere may be present.

Do not mount a damaged or polluted device.

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

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.

The usage of 2400 MHz equipment is bound to local restrictions. Ensure that local restrictions allow usage of this device before commissioning. Provide a transient protection. Ensure that the peak value of the transient protection does not exceed 140 % of the rated voltage.

Observe the tightening torque of the screws.

The device provides a grounding terminal to which an equipotential bonding conductor with a minimum cross section of 4 mm² must be connected.

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.

The device contains aluminum. Thereby the device is considered to constitute an ignition hazard by impact effect or friction. Avoid impact effect or friction during mounting and operating.

Ensure that the degree of protection is not violated by the conduit.

Use seals that are suitable for the specified application.

Requirements for Cables and Connection Lines

Install cables and cable glands in a way that they are not exposed to mechanical hazards.

Protect cables and cable glands from tensile load and torsional stress or use certified cable glands.

Unused cables and connection lines must be either connected to terminals or securely tied down and isolated.

Requirements for Cable Glands

Only use cable glands that are suitably certified for the application.

Only use cable glands with a temperature range appropriate to the application.

For cable glands only use incoming cable diameters of the appropriate size.

Ensure that the degree of protection is not violated by the cable glands.

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.

When the device is in operation, maintain at all times a distance of at least 20 cm to the device antenna. This also applies to any other person in the vicinity of the 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.

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.