

Safety Instructions

RID14

ATEX: II2G Ex db IIC T6...T4 Gb

IECEX: Ex db IIC T6...T4 Gb

Safety instructions for electrical apparatus in
explosion-hazardous areas



RID14

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About this document



This document has been translated into several languages. Legally determined is solely the English source text.

The document translated into EU languages is available:

- In the download area of the Endress+Hauser website:
www.endress.com -> Downloads -> Manuals and Datasheets -> Type: Ex Safety Instruction (XA) -> Text Search: ...
- In the Device Viewer: www.endress.com -> Product tools -> Access device specific information -> Check device features



If not yet available, the document can be ordered.

Associated documentation

This document is an integral part of the following Operating Instructions:

- Operating instructions: BA00282R and BA01267K
- Brief operating instructions: KA00281R and KA01156K
- Technical information: TI00145R

Supplementary documentation

Explosion-protection brochure: CP00021Z/11

The Explosion-protection brochure is available:

- In the download area of the Endress+Hauser website:
www.endress.com -> Downloads -> Brochures and Catalogs -> Text Search: CP00021Z
- On the CD for devices with CD-based documentation

Manufacturer's certificates

IECEX certificate

Certificate number: IECEX KEM 10.0021X

Affixing the certificate number certifies conformity with the following standards (depending on the device version)

- IEC 60079-0 : 2017
- IEC 60079-1 : 2014

ATEX certificate

Certificate number: KEMA 10ATEX0092 X

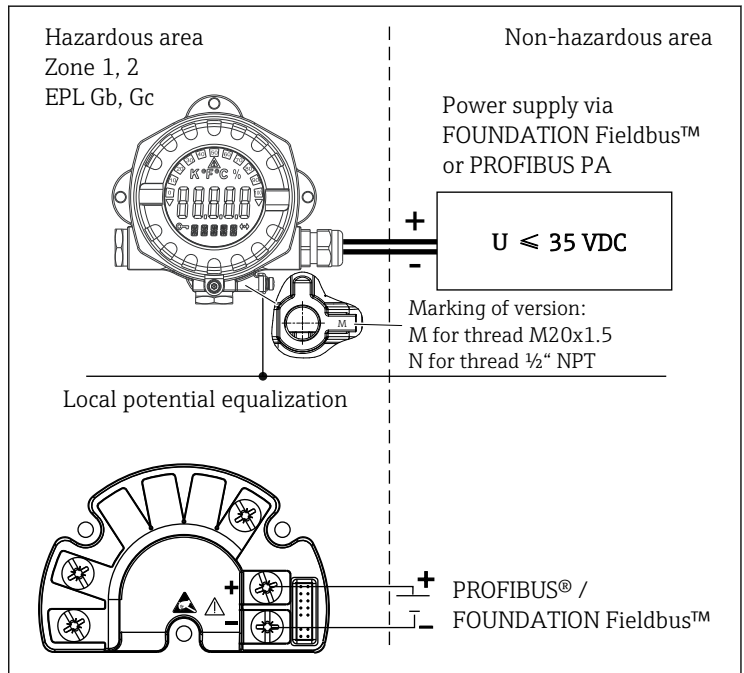
EU Declaration of Conformity

Declaration number: EC_00033

Manufacturer address

Endress+Hauser Wetzler GmbH + Co. KG
Obere Wank 1
87484 Nesselwang, Germany

Safety instructions:



A0048710

1 Installation of the field indicator

**Safety instructions:
Installation**

- Comply with the installation and safety instructions in the Operating Instructions.
- Install the device according to the manufacturer's instructions and any other valid standards and regulations (e.g. EN/IEC 60079-14).
- The housing of field display must be connected to the potential matching line.
- Only the approved wire entries as specified in paragraph 10.3 of EN/IEC 60079-14, paragraph 16 of IEC 60079-0, paragraph 13 of EN/IEC 60079-1 must be used.
- For connection through a conduit entry approved for this purpose the associated sealing facility shall be mounted directly to the housing.
- Seal the cable entries with certified cable glands and or blanking elements which have at least type of protection Ex db.
- For operating the display housing at an ambient temperature under -20 °C, appropriate cables and cable entries permitted for this application must be used.
- For ambient temperatures higher than 70 °C use suitable heat-resisting cables or wires, cable entries and sealing facilities for Ta +5 K above surrounding.
- During operation, the cover must be screwed all the way in and the cover's safety catch must be fastened.

⚠ WARNING

Explosive atmosphere

- ▶ Do not open the electrical connection of the power supply circuit in an explosive atmosphere.

**Safety instructions:
Specific conditions of use**

- The flameproof joints are not intended to be repaired.
- When the enclosure is provided with an non-conductive coating, electrostatic charges on the equipment enclosure shall be avoided. For more details see safety instructions.

Temperature tables

Type	Temperature class	Ambient temperature
RID14	T6	-40 °C ≤ Ta ≤ +55 °C
	T5	-40 °C ≤ Ta ≤ +70 °C
	T4	-40 °C ≤ Ta ≤ +80 °C

Electrical connection data

Type	Electrical Data
RID14 PROFIBUS® PA-, RID14 FOUNDATION Fieldbus™	U ≤ 35 V _{DC} P ≤ 3 W

Category	Type of protection (ATEX)	Type
II2G	Ex db IIC T6...T4 Gb	RID14

Type of protection (IEC)	Type
Ex db IIC T6...T4 Gb	RID14



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