

Safety Instructions

RID14

ATEX: II2D Ex tb III C T110°C Db

IECEX: Ex tb III C T110°C Db

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 60079-31 : 2014

ATEX certificate

Certificate number: KEMA 10ATEX0092 X

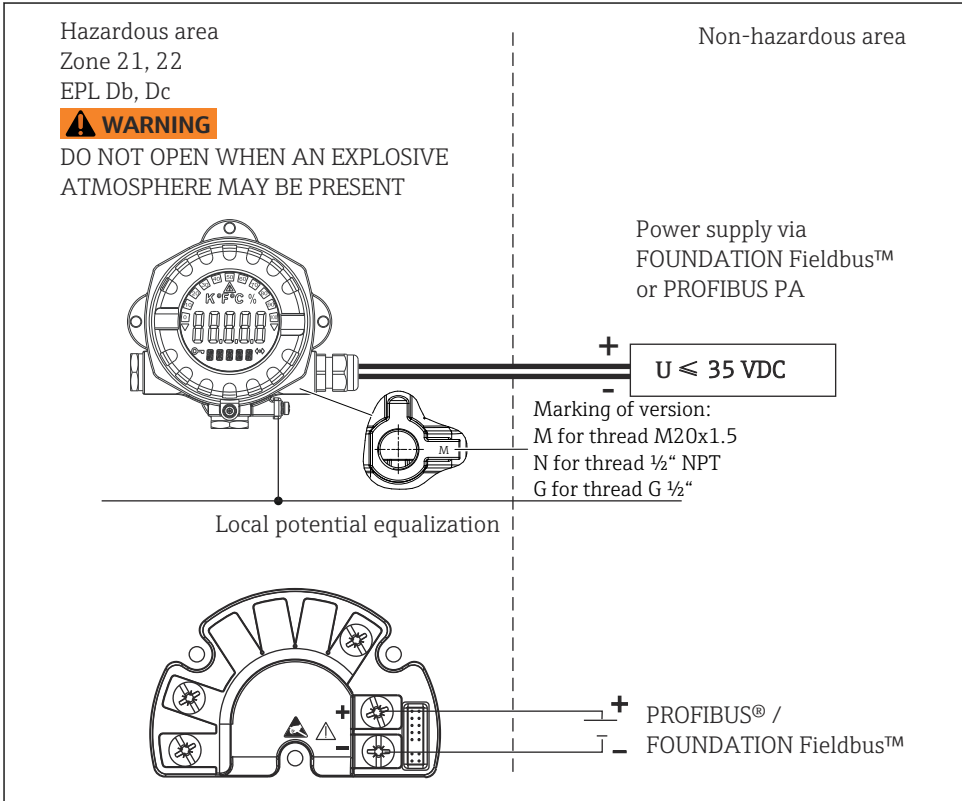
EU Declaration of Conformity

Declaration number: EC_00033

**Manufacturer
address**

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

Safety instructions:



A0048717

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).
- Seal the cable entries tight with certified cable glands (min. IP6X) IP6X according to EN/IEC 60529.
- The provided cable entries to option code glands are suitable ATEX/IECEX Ex certified cable glands with a temperature range of -20 to +95 °C.

- For operating the field display at an ambient temperature under $-20\text{ }^{\circ}\text{C}$, appropriate cables, cable entries and sealing facilities permitted for this application must be used.
- The housing of the field display must be connected to the potential matching line.
- For ambient temperatures higher than $70\text{ }^{\circ}\text{C}$ use suitable heat-resisting cables or wires, cable entries and sealing facilities for $T_a +5\text{ K}$ above surrounding.

⚠ WARNING

Explosive atmosphere

- ▶ In an explosive atmosphere, do not open the device (ensure that the IP 67 housing protection is maintained during operation).

**Safety instructions:
Specific conditions of use**

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 | Max. surface | Ambient |
|-------|--------------|---|
| RID14 | +110 °C | $-40\text{ }^{\circ}\text{C} \leq T_a \leq +80\text{ }^{\circ}\text{C}$ |

Electrical connection data

| Type | Electrical Data |
|--|---|
| RID14 PROFIBUS® PA-, RID14 FOUNDATION Fieldbus™ | $U \leq 35\text{ V}_{\text{DC}}$ $P \leq 3\text{ W}$ |

| Category | Type of protection (ATEX) | Type |
|----------|---------------------------|-------|
| II2D | Ex tb IIIC T110°C Db | RID14 |

| Type of protection (IECEX) | Type |
|----------------------------|-------|
| Ex tb IIIC T110°C Db | RID14 |



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