

# Safety Instructions

## RIA14

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






# RIA14

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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](http://www.endress.com) -> Downloads -> Manuals and Datasheets -> Type: Ex Safety Instruction (XA) -> Text Search: ...
- In the Device Viewer: [www.endress.com](http://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: BA00278R
- Brief operating instructions: KA00277R
- Technical information: TI00143R

## 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](http://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 10.0012X

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

- IEC 60079-0 : 2017
- IEC 60079-31 : 2013

**ATEX certificate**

Certificate number: KEMA 04ATEX2307 X

**EU Declaration of Conformity**

Declaration number: EC\_00183

**UKCA certificate**

Certificate number: CML 21UKEX11003X

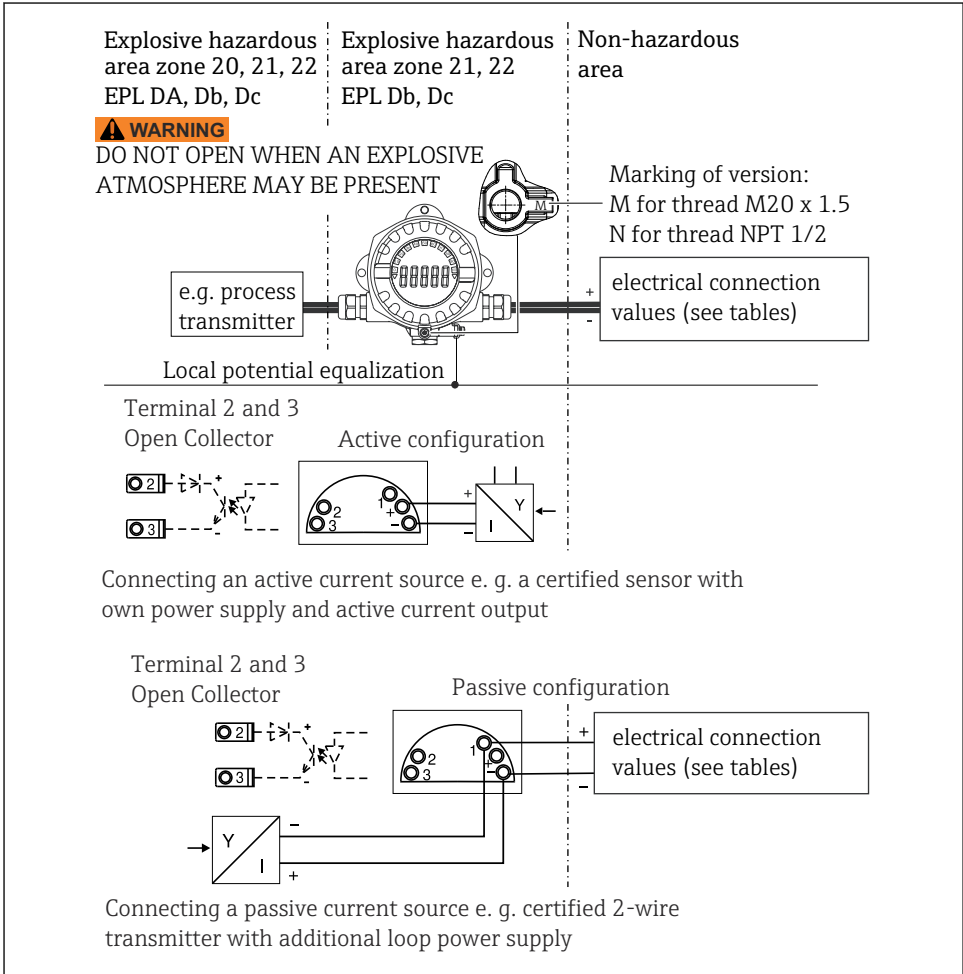
**UKCA Declaration of Conformity**

Declaration number: UK\_00409


**Manufacturer  
address**

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

**Safety instructions:**



A0049422

 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 which have at least type of protection Ex tb suitable for Group IIIC (degree of protection IP6X).

- The housing of field transmitter must be connected to the potential matching line.
- The provided cable entries to option code glands are suitable ATEX/ IECEx Ex certified cable glands with a temperature range of -20 °C to +95 °C.
- For ambient temperatures higher than +70°C, use suitable heat-resisting cables or wires, cable entries and sealing facilities for Ta +5K above surrounding.

**⚠ WARNING**

**Explosive atmosphere**

- ▶ In an explosive atmosphere, do not open the device (ensure that the IP67 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 temperature	Ambient temperature
RIA14	+110 °C	-40 °C ≤ Ta ≤ +80 °C

**Electrical connection data**

Type	Electrical data	
RIA14	Supply (Terminals + and - or + and 1)	U ≤ 35 V <sub>DC</sub> I ≤ 200 mA P ≤ 3 W
	Open Collector (terminals 2 and 3)	U ≤ 35 V <sub>DC</sub> I ≤ 100 mA P ≤ 875 mW

Category	Type of protection (ATEX)	Type
II2D	Ex tb IIIC T110 °C Db	RIA14

Type of protection (IEC)	Type
Ex tb IIIC T110 °C Db	RIA14



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