

Safety Instructions

RIA14

1 Ex db IIC T6...T4 Gb



RIA14

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About this document

The document number of these Safety Instructions (XA) must match the information on the nameplate.

Associated documentation

To commission the device, please observe the Operating Instructions pertaining to the device:

www.endress.com/<product code>, e.g. RIA14

Supplementary documentation

Explosion protection brochure: CP00021Z

The explosion protection brochure is available on the Internet:

www.endress.com/Downloads

Certificates and declarations**EAC certificate**

The device meets the fundamental health and safety requirements for the design and construction of devices and protective systems intended for use in potentially explosive atmospheres.

- Certification body: ТОО/Ж ШС "Т-Стандарт"
- Certificate number: EAЭС KZ 7500525.01.01.01835

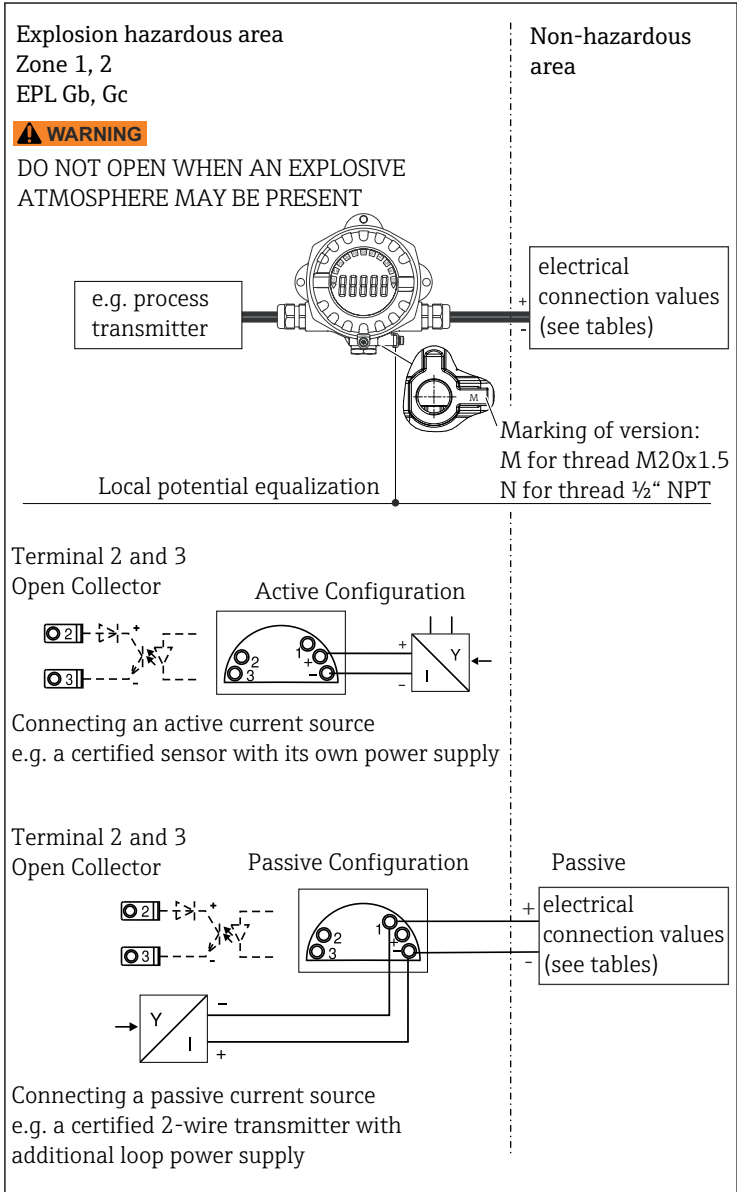
Affixing the certificate number certifies conformity with the following standards:

- GOST 31610.0-2019 (IEC 60079-0:2017)
- GOST IEC 60079-1-2013

Manufacturer address

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

Safety instructions:



A0048126

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 EN/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 $+70^{\circ}\text{C}$, use suitable heat-resisting cables or wires, cable entries and sealing facilities for $T_a +5\text{ K}$ above surrounding.
- During operation, the cover must be screwed all the way in and the cover's safety catch must be fastened.

WARNING

Potentially explosive atmospheres

- ▶ Do not open the electrical connection of the supply circuit when energized if there is a potentially explosive atmosphere.

Safety instructions: Specific conditions of use

- The flameproof joints are not intended to be repaired.
- When the enclosure is provided with a 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
RIA14	T6	$-40^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$
	T5	$-40^{\circ}\text{C} \leq T_a \leq +70^{\circ}\text{C}$
	T4	$-40^{\circ}\text{C} \leq T_a \leq +80^{\circ}\text{C}$

**Electrical
connection data**

Type	Electrical data	
RIA14	Supply (Terminals + and - or + and 1)	$U \leq 35 V_{DC}$ $I \leq 200 \text{ mA}$ $P \leq 3 \text{ W}$
	Open Collector (terminals 2 and 3)	$U \leq 35 V_{DC}$ $I \leq 100 \text{ mA}$ $P \leq 875 \text{ mW}$



71664505

www.addresses.endress.com
