

Safety Instructions

RIA14

Ex tb IIIC T110°C Db



RIA14

Table of contents

About this document	3
Associated documentation	3
Supplementary documentation	3
Certificates and declarations	3
Manufacturer address	3
Safety instructions:	4
Safety instructions: Installation	4
Safety instructions: Specific conditions of use	5
Temperature tables	5
Electrical connection data	5

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

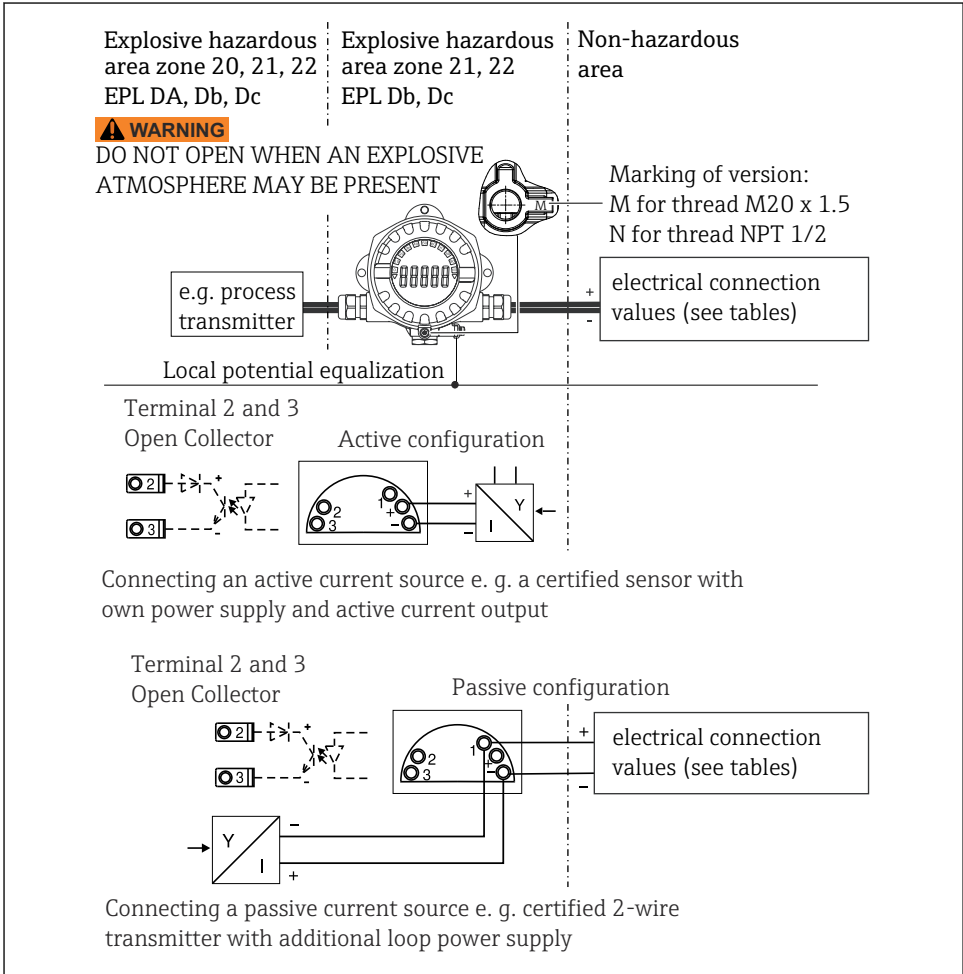
Affixing the certificate number certifies conformity with the following standards:

- GOST 31610.0-2019 (IEC 60079-0:2017)
- GOST IEC 60079-31-2013

Manufacturer address

Endress+Hauser Wetzler 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 +5 K above surrounding.

⚠ WARNING

Explosive atmosphere

- ▶ In an explosive atmosphere, do not open the device when voltage is supplied (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 _{DC} I ≤ 200 mA P ≤ 3 W
	Open Collector (terminals 2 and 3)	U ≤ 35 V _{DC} I ≤ 100 mA P ≤ 875 mW



71664516

www.addresses.endress.com
