

Safety Instructions

RIA14

Field Indicator

Ex db IIC T4...T6 Gb



RIA14

Field Indicator

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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**NEPSI certificate**

Certificate number: GYJ20.1355X

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

- GB 3836.1-2010
- GB 3836.4-2010

CCC certificate

Certificate number: 2020322309002711, 2020322309002714

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

- GB/T 3836.1-2021
- GB/T 3836.4-2021

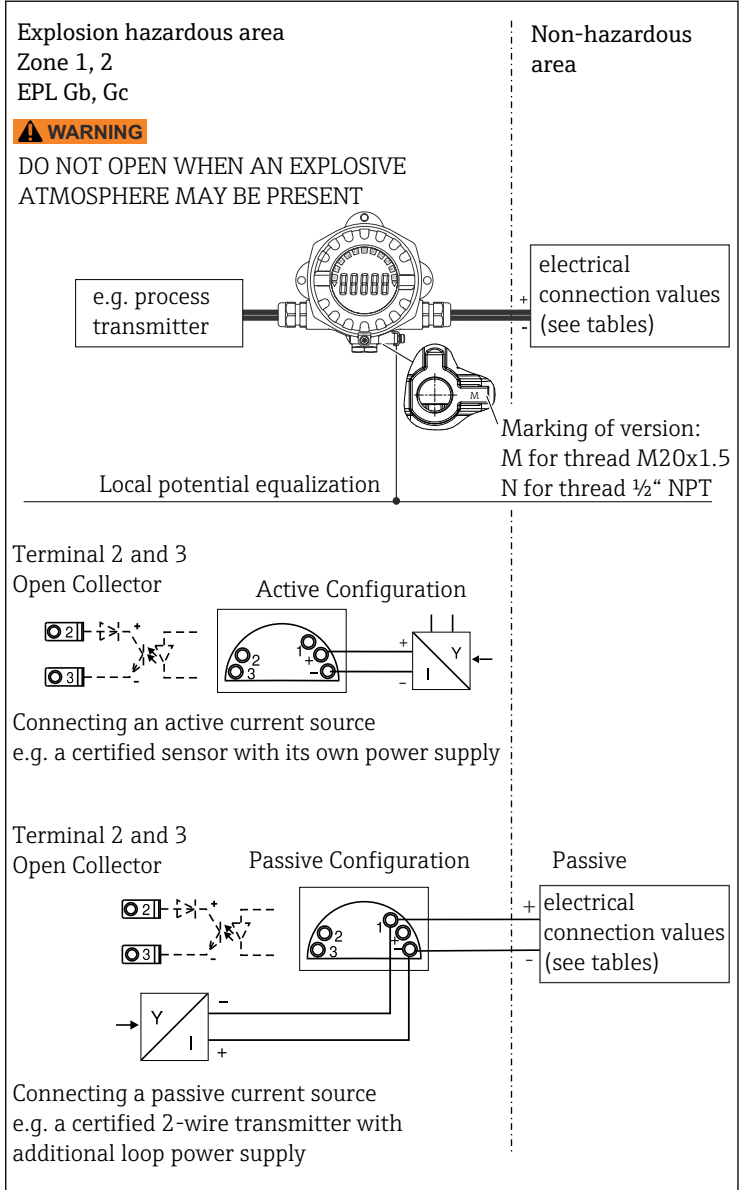


Please refer to NEPSI/CCC certificates for conditions of safe use.

Manufacturer address

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

Safety instructions



**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°C, use suitable heat-resisting cables or wires, cable entries and sealing facilities for Ta +5K 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
RIA14	T6	-40 °C ≤ Ta ≤ +55 °C
	T5	-40 °C ≤ Ta ≤ +70 °C
	T4	-40 °C ≤ Ta ≤ +80 °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)	$U \leq 35 V_{DC}$ $I \leq 100 \text{ mA}$ $P \leq 875 \text{ mW}$



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www.addresses.endress.com
