

Safety Instructions

RIA14, RIA16

1 Ex ib [ia] IIC T6...T4 Gb



RIA14, RIA16

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: Specific conditions of use	6
Temperature tables	6
Electrical connection data	6

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: TOO/Ж ШС "Т-Стандарт"
- Certificate number: EAЭС KZ 7500525.01.01.01835

Affixing the certificate number certifies conformity with the following standards:

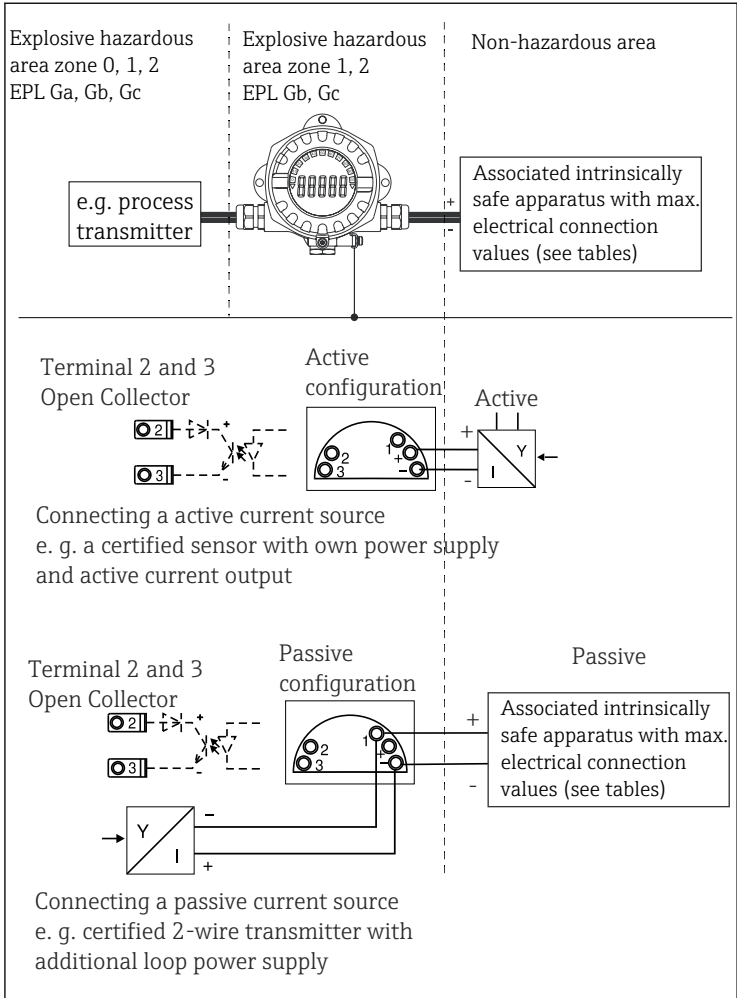
- GOST 31610.0-2019 (IEC 60079-0:2017)
- GOST 31610.11-2014 (IEC 60079-11:2011)

Manufacturer address

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

Safety instructions

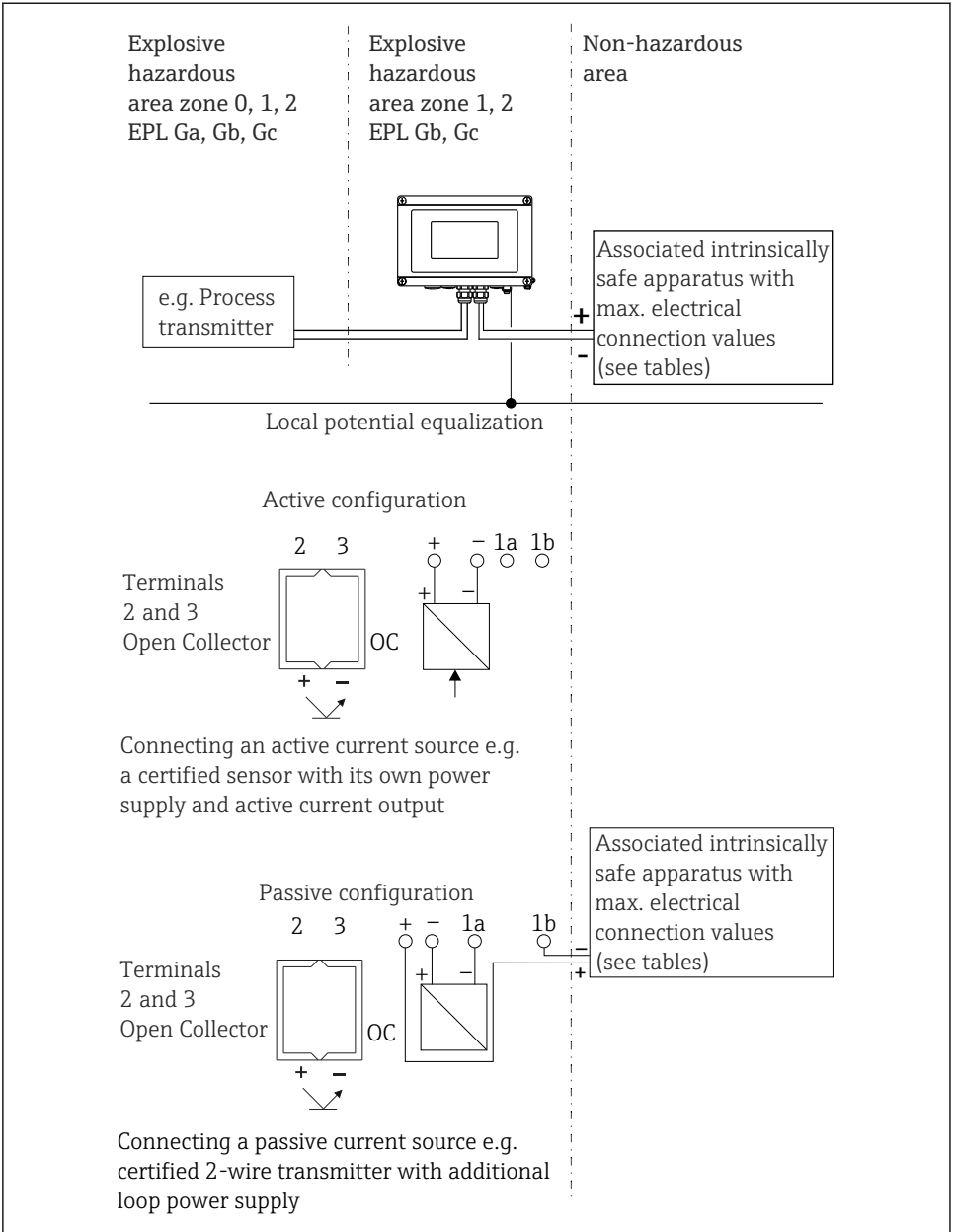
RIA14



A0048122

1 Installation of the field indicator

RIA16



A0050340

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 indicator housing must be connected to the potential matching line.
- The type of protection changes as follows when the devices are connected to certified intrinsically safe circuits of Category ib: Ex ib IIC.
- When connecting an intrinsically safe ib circuit, do not operate the process transmitter at Zone 0.
- The indicator must be installed so, that even in the event of rare incidents, an ignition source due to impact or friction between the enclosure and iron/steel is excluded.
- The circuits of indicator are isolated from its enclosure in conformance with EN/IEC 60079-11 chapter 6.3.13.

**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	Temperature class	Ambient temperature
RIA14	T6	-40 to 50 °C
	T5	-40 to 60 °C
	T4	-40 to 85 °C
RIA16	T6	-40 to 50 °C
	T5	-40 to 60 °C
	T4	-40 to 85 °C

Electrical connection data

Type	Electrical data	
RIA14, RIA16	Power supply (Terminals + and -, + and 1)	Ui = 30 V _{DC}
		li = 100 mA
		Pi = 750 mW
		Li = 0 mH
		Ci = 15.2 nF

Type	Electrical data	
	Open Collector (Terminals 2 and 3)	U _i = 30 V _{DC}
		I _i = 100 mA
		P _i = 375 mW
		L _i = 0 mH
		C _i = 0 nF



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www.addresses.endress.com
