


# Safety Instructions

## RIA14, RIA16

1Ex ib [ia] IIC T6/T5/T4 Gb



Document: XA01462K  
Safety instructions for electrical apparatus certified for use in  
explosion-hazardous areas. →  3



# RIA14, RIA16

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**Associated documentation**

This document is an integral part of the following Operating Instructions:

- RIA14:  
BA00278R/09
- RIA16:  
BA00280R/09

The Operating Instructions pertaining to the device apply.

**Supplementary Documentation**

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

**EAC certificate of conformity according to TR CU 012/2011**

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: НАННО "ЦСБЭ"

Certificate number: EAЭC RU C-DE.AA87.B.00247/19

Affixing the certificate number certifies conformity with the following standards:

GOST 31610.0-2014 (IEC 60079-0:2011)

GOST IEC 60079-1-2011

GOST 31610.11-2014 (IEC 60079-11:2011)

**Manufacturer address**

Endress+Hauser Wetzler GmbH + Co KG

Obere Wank 1

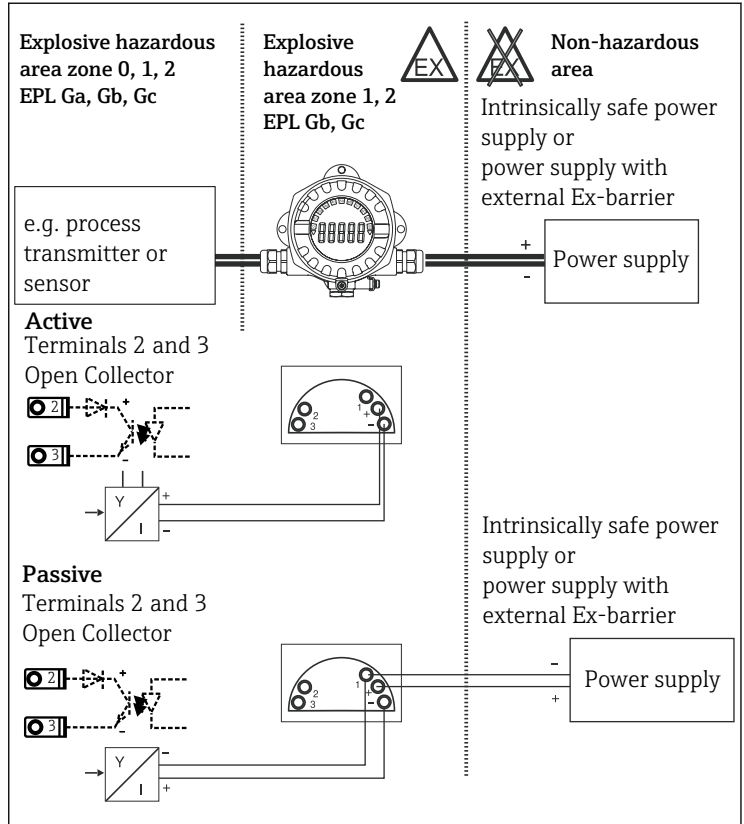
D-87484 Nesselwang

Germany

Phone: +49 (0)8361 308 0

**Safety instructions**

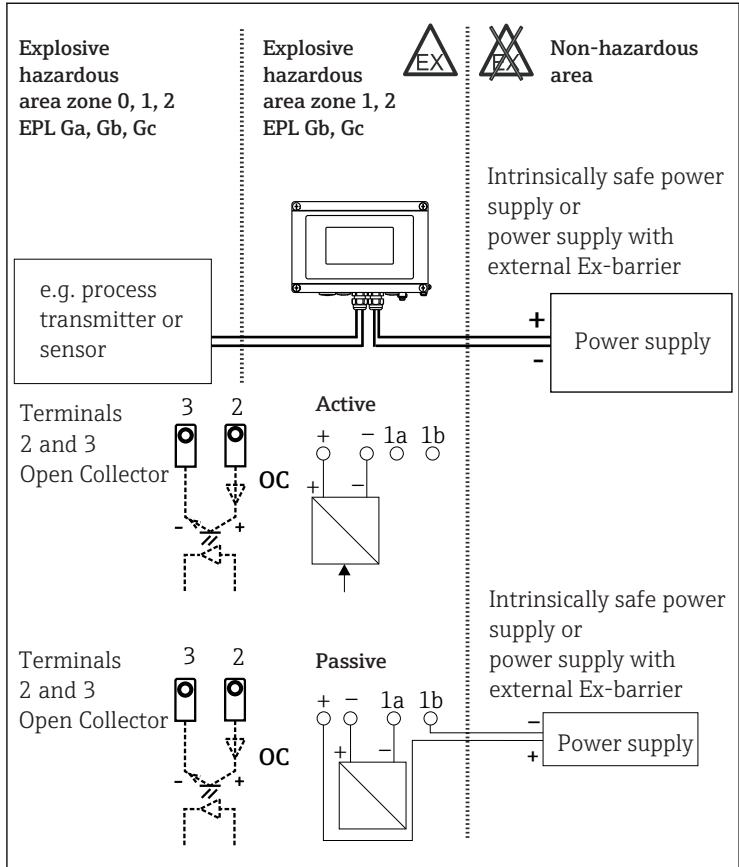
**RIA14**



A0012538-EN

**1** Installation of the field indicator

RIA16



A0012534-EN

2 Installation of the field indicator

**Safety instructions: Installation**

- Install the device according to the manufacturer's instructions and any other valid standards and regulations.
- When interconnecting the rules and regulations for such intrinsically safe circuits must adhered to.
- The field display 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.

## 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)	$U_i = 30 V_{DC}$
		$I_i = 100 \text{ mA}$
		$P_i = 750 \text{ mW}$
		$L_i = 0 \text{ mH}$
		$C_i = 15.2 \text{ nF}$
	Open Collector (Terminals 2 and 3)	$U_i = 30 V_{DC}$
		$I_i = 100 \text{ mA}$
		$P_i = 375 \text{ mW}$
		$L_i = 0 \text{ mH}$
		$C_i = 0 \text{ nF}$

[www.addresses.endress.com](http://www.addresses.endress.com)

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