Safety Instructions **RIA14**

ATEX: II2G Ex db IIC T6...T4 Gb IECEx: Ex db IIC T6...T4 Gb

Safety instructions for electrical apparatus in explosion-hazardous areas







RIA14 XA00091R

RIA14

Table of contents

About this document	4
Associated documentation	4
Supplementary documentation	4
Manufacturer´s certificates	5
Manufacturer address	5
Safety instructions:	6
Safety instructions: Installation	7
Safety instructions: Specific conditions of use	7
Temperature tables	7
Electrical connection data	8

XA00091R RIA14

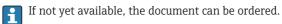
About this document



This document has been translated into several languages. Legally determined is solely the English source text.

The document translated into EU languages is available:

- In the download area of the Endress+Hauser website: www.endress.com -> Downloads -> Manuals and Datasheets -> Type: Ex Safety Instruction (XA) -> Text Search: ...
- In the Device Viewer: www.endress.com -> Product tools -> Access device specific information -> Check device features



Associated documentation

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

Operating instructions: BA00278R

■ Brief operating instructions: KA00277R

■ Technical information: TI00143R

Supplementary documentation

Explosion-protection brochure: CP00021Z/11

The Explosion-protection brochure is available:

■ In the download area of the Endress+Hauser website: www.endress.com -> Downloads -> Brochures and Catalogs -> Text Search: CP00021Z

• On the CD for devices with CD-based documentation

RIA14 XA00091R

Manufacturer's certificates

IECEx certificate

Certificate number: IECEx KEM 10.0012X

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

■ IEC 60079-0:2017 ■ IEC 60079-1:2014

ATEX certificate

Certificate number: KEMA 04ATEX2307 X

EU Declaration of Conformity

Declaration number: EC_00183

UKCA certificate

Certificate number: CML 21UKEX11003X

UKCA Declaration of Conformity Declaration number: UK 00409

Manufacturer address

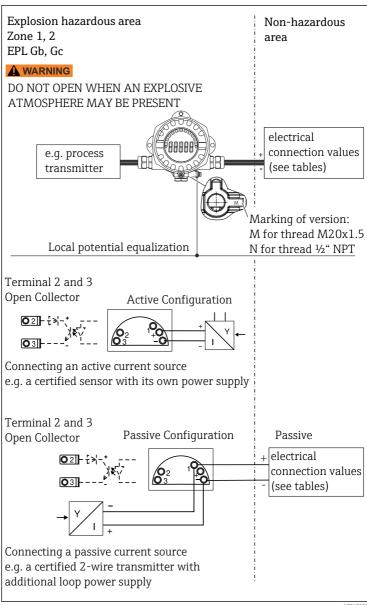
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XA00091R RIA14

Safety instructions:



A0048126

■ 1 Installation of the field indicator

RIA14 XA00091R

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.

A 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

Туре	Temperature class	Ambient temperature	
RIA14	Т6	-40 °C ≤ Ta ≤ +55 °C	
	T5	-40 °C ≤ Ta ≤ +70 °C	
	T4	-40 °C ≤ Ta ≤ +80 °C	

XA00091R RIA14

Electrical connection data

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

Category	tegory Type of protection (ATEX)	
II2G	Ex db IIC T6T4 Gb	RIA14

Type of protection (IEC)	Туре
Ex db IIC T6T4 Gb	RIA14







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