

Safety Instructions

RID14

IND-Ex: Ex ia IIC T6...T4 Ga



RID14

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About this document

The document number of these Safety Instructions (XA) must match the information on the nameplate.

Associated documentation

All documentation is available on the Internet:

www.endress.com/Deviceviewer

(enter the serial number from the nameplate).

To commission the device, please observe the Operating Instructions pertaining to the device:

www.endress.com/<product code>, e.g. RID14

Supplementary documentation

Explosion protection brochure: CP00021Z

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

Certificates and declarations

PESO Approval No.:

■ P642142/1

■ KLPL/Ex/15-112X Issue no. 02

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

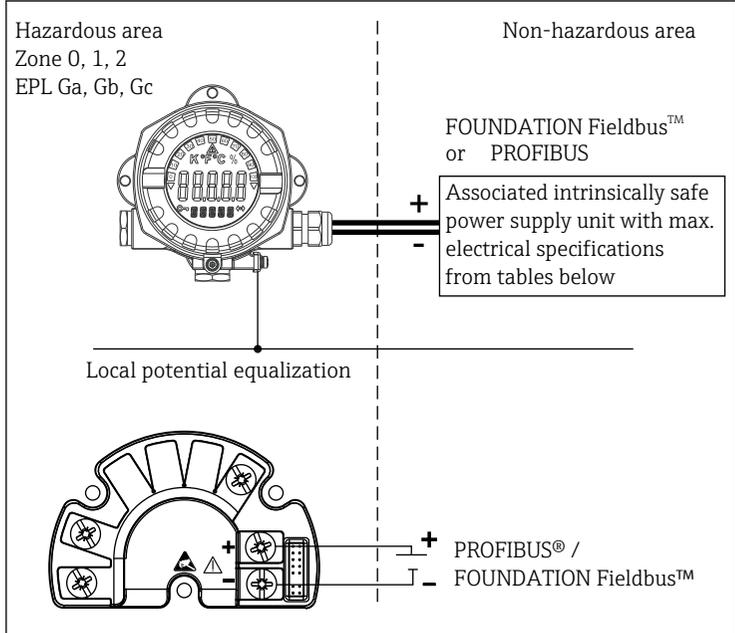
■ IS/IEC 60079-0: 2017

■ IS/IEC 60079-11: 2023

Manufacturer address

Endress+Hauser Wetzer (India)
Private Limited
M-192/2, MIDC Waluj
Chhatrapati Sambhajnagar 431136
India

Safety instructions:



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 national regulations (e.g. IS 16724 : 2018).
- The type of protection changes as follows when the devices are connected to certified intrinsically safe circuits of Category ib: Ex ib IIC.
- The circuits of indicator are isolated from its enclosure in conformance with IS/IEC 60079-11 chapter 6.3.13.

Safety instructions: Zone 0

- Only operate devices in potentially explosive vapour/air mixtures under atmospheric conditions:
 - -20 to +60 °C
 - 0.8 to 1.1 bar
- If no potentially explosive mixtures are present, or if additional protective measures have been taken, according to EN 1127-1, the field display may be operated under other atmospheric conditions in accordance with the manufacturer's specifications.
- Associated apparatus with galvanic isolation between the intrinsically safe and non-intrinsically safe circuits are preferred.

Safety instructions:
Specific conditions of use

- When the enclosure is provided with a non-conductive coating, electrostatic charges on the equipment enclosure shall be avoided. For more details see safety instructions.
- When the enclosure of the Field Display Type RID14-*A is made of aluminium, if it is mounted in an area where the use of EPL Ga apparatus is required, it must be installed such, that, even in the event of rare incidents, ignition sources due to impact and friction sparks are excluded.

Temperature tables

Type	Temperature class	Ambient temperature
RID14	T6	$-40\text{ °C} \leq T_a \leq +55\text{ °C}$
	T5	$-40\text{ °C} \leq T_a \leq +70\text{ °C}$
	T4	$-40\text{ °C} \leq T_a \leq +80\text{ °C}$

Electrical connection data

Type	Electrical Data
RID14 PROFIBUS® PA RID14 FOUNDATION Fieldbus™	Power supply (terminals + and -) $U_i \leq 17.5\text{ V}_{DC}$ or $U_i \leq 24\text{ V}_{DC}$ $I_i \leq 500\text{ mA}$ $I_i \leq 250\text{ mA}$ $P_i \leq 5.32\text{ W}$ $P_i \leq 1.2\text{ W}$ $C_i \leq 5\text{ nF}$ $L_i \leq 10\text{ }\mu\text{H}$ Applicable for connection to a Fieldbus system according to FISCO-model



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www.addresses.endress.com
