

# Safety Instructions

## RIA15

IND-Ex: Ex ib IIC T6 Gb



# RIA15

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<b>About this document</b>	 The document number of these Safety Instructions (XA) must match the information on the nameplate.
<b>Associated documentation</b>	All documentation is available on the Internet: <a href="http://www.endress.com/Deviceviewer">www.endress.com/Deviceviewer</a> (enter the serial number from the nameplate). To commission the device, please observe the Operating Instructions pertaining to the device: <a href="http://www.endress.com/&lt;product code&gt;">www.endress.com/&lt;product code&gt;</a> , e.g. RIA15
<b>Supplementary documentation</b>	Explosion protection brochure: CP00021Z The Explosion-protection brochure is available: <ul style="list-style-type: none"><li>■ In the download area of the Endress+Hauser website: <a href="http://www.endress.com">www.endress.com</a> -&gt; Downloads -&gt; Brochures and Catalogs -&gt; Text Search: CP00021Z</li><li>■ On the CD for devices with CD-based documentation</li></ul>
<b>Certificates and declarations</b>	PESO Approval No.: <ul style="list-style-type: none"><li>■ P641740/1</li><li>■ KLPL/Ex/15-122X Issue no. 02</li></ul> Affixing the approval number certifies conformity with the following standards (depending on the device version): <ul style="list-style-type: none"><li>■ IS/IEC 60079-0: 2017</li><li>■ IS/IEC 60079-11: 2023</li></ul>
<b>Manufacturer address</b>	Endress+Hauser Wetzer (India) Private Limited M-192/2, MIDC Waluj Chhatrapati Sambhajinagar 431136 India

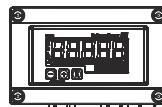
## Safety instructions:

Explosion hazardous area zone 0, 1, 2  
EPL Ga, Gb, Gc

Explosion hazardous area zone 1, 2  
EPL Gb, Gc

Non-hazardous area

e.g. process transmitter



Associated intrinsically safe apparatus with max. electrical connection values (see tables)

e.g. process transmitter

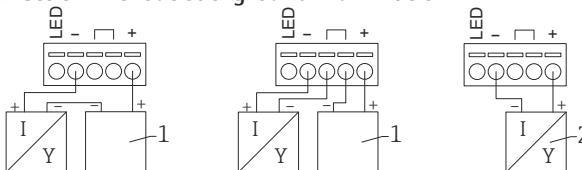


Associated intrinsically safe apparatus with max. electrical connection values (see tables)

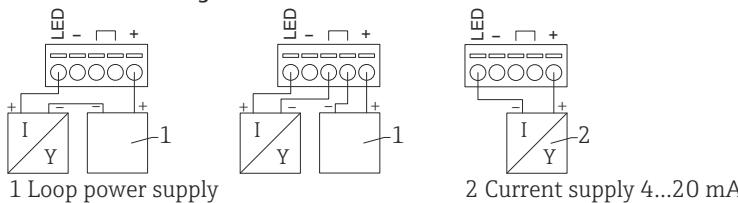
Local potential equalization

Local potential equalization

### Connection without background illumination



### Connection with background illumination



- 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 indicator housing must be connected to the potential matching line.
- Safety instructions: Specific conditions of use**
- 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 type of protection for the process transmitter changes as follows when the devices are connected to certified intrinsically safe circuits of Category Ex ib: Ex ib IIC. When connecting an intrinsically safe Ex ib circuit, do not operate the process transmitter at Zone 0 / EPL Ga.
  - The permitted category of the intrinsically safe circuit for the process transmitter depends on the type of protection of the respective associated apparatus used.

**Temperature tables**

Type	Temperature class	Ambient temperature
RIA15	T6	$-40^{\circ}\text{C} \leq \text{Ta} \leq +60^{\circ}\text{C}$

**Electrical connection data**

RIA15, ORIA15	Electrical connection data
Supply (terminals + and - or + and LED or + and auxiliary terminal  )	$U_i \leq 30 \text{ V}_{\text{DC}}$ $I_i \leq 200 \text{ mA}$ $P_i \leq 900 \text{ mW}$ $C_i = \text{negligible small}$ $L_i = 35.1 \mu\text{H}$

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

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