

# Safety Instructions

## RIA15

1Ex ib IIC T6 Gb X



Document: XA01464K  
Safety instructions for electrical apparatus for explosion-  
hazardous areas →  3



# RIA15

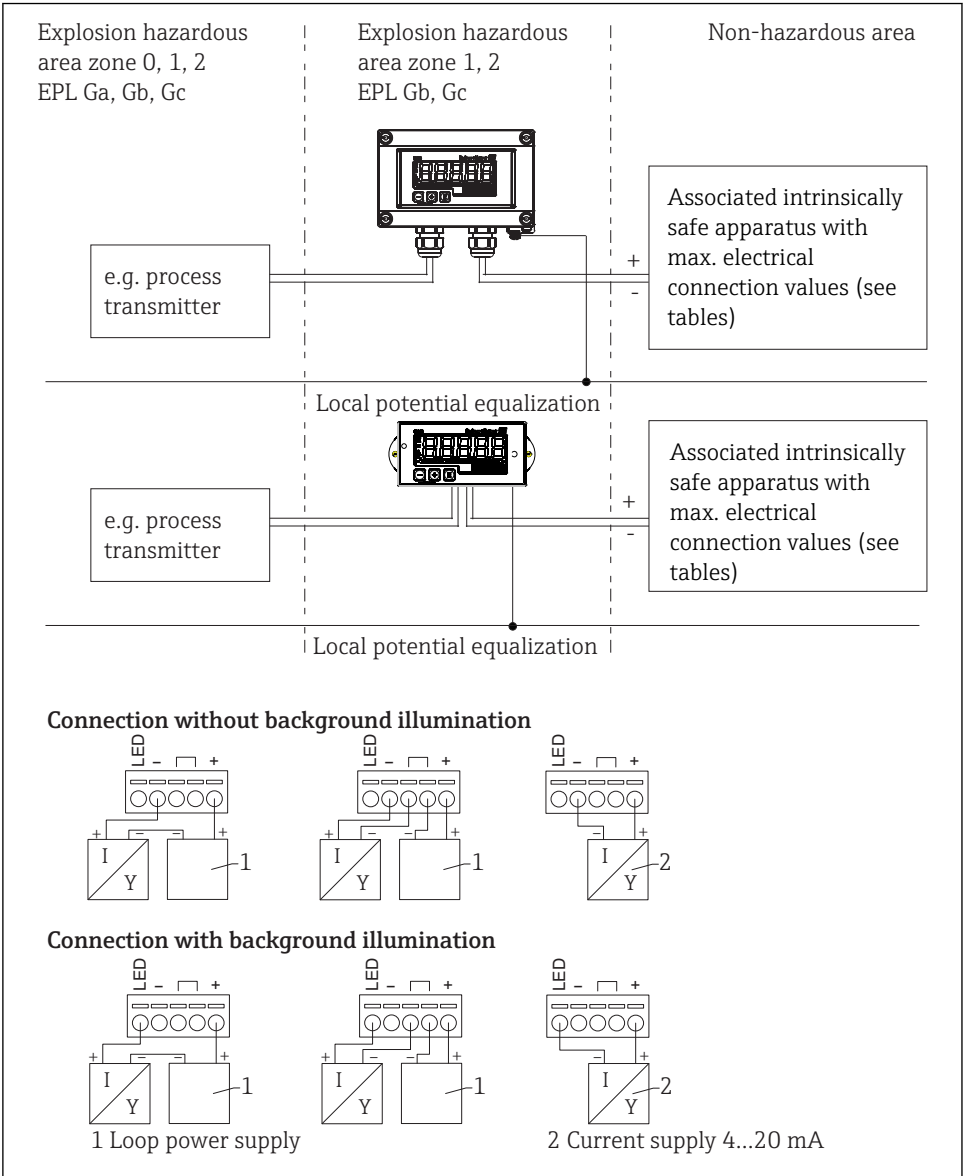
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<b>Associated documentation</b>	<p>This document is an integral part of the following Operating Instructions:</p> <p><b>RIA15:</b> Operating Instructions: – BA01073K/09 or – BA01170K/09 (HART option)</p> <p>The Operating Instructions pertaining to the device apply.</p>
<b>Supplementary Documentation</b>	<p>Explosion-protection brochure: CP00021Z/11</p>
<b>EAC certificate of conformity according to TR CU 012/2011</b>	<p>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 in accordance with TR CU 012/2011.</p> <p>Certification body: НАННО "ЦСВЭ"</p> <p>Certificate number: TC RU C-DE.AA87.B.00944</p> <p>Affixing the certificate number certifies conformity with the following standards: ГОСТ Р 31610.0-2014 (IEC 60079-0: 2011) ГОСТ Р 31610.11-2014 (IEC 60079-11: 2011)</p>
<b>Manufacturer address</b>	<p>Endress+Hauser Wetzler GmbH + Co KG Obere Wank 1 D-87484 Nesselwang Germany Phone: +49 (0)8361 308 0</p>

**Safety instructions**



A0018831-EN

### 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 (ГОСТ IEC 60079-14-2011).
- The indicator housing must be connected to the potential matching line.

### Safety instructions: Special conditions

- Supply of indicators should be carried out through the intrinsically safe barriers with a certificate of conformity.
- 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 °C ≤ Ta ≤ +60 °C (-40 °F ≤ Ta ≤ +140 °F)

### Electrical connection data

RIA15	Electrical connection data
Supply (terminals + and - or + and LED or + and auxiliary terminal (□))	U <sub>i</sub> ≤ 30 V <sub>DC</sub> I <sub>i</sub> ≤ 200 mA P <sub>i</sub> ≤ 900 mW C <sub>i</sub> = negligible L <sub>i</sub> = 35.1 μH



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