

# Safety Instructions

## RIA15, ORIA15

Ex ib IIC T6 Gb



# RIA15, ORIA15

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**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](http://www.endress.com) -> Downloads -> Manuals and Datasheets -> Type: Ex Safety Instruction (XA) -> Text Search: ...
- In the Device Viewer: [www.endress.com](http://www.endress.com) -> Product tools -> Access device specific information -> Check device features



If not yet available, the document can be ordered.

**Associated documentation**

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

**RIA15:**

Operating Instructions:

- BA01073K or
- BA01170K (HART option)

**ORIA15:**

Operating Instructions:

- BA011570 or
- BA012030 (HART option)

**Supplementary documentation**

Explosion protection brochure: CP00021Z

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
- On the CD for devices with CD-based documentation

**Manufacturer´s  
certificates****NEPSI certificate**

Certificate number: GYJ22.1042X

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

- GB 3836.1-2010
- GB 3836.4-2010

**CCC certificate**

Certificate number:

- 2020322309002713
- 2020322309002712

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

- GB/T 3836.1-2021
- GB/T 3836.4-2021

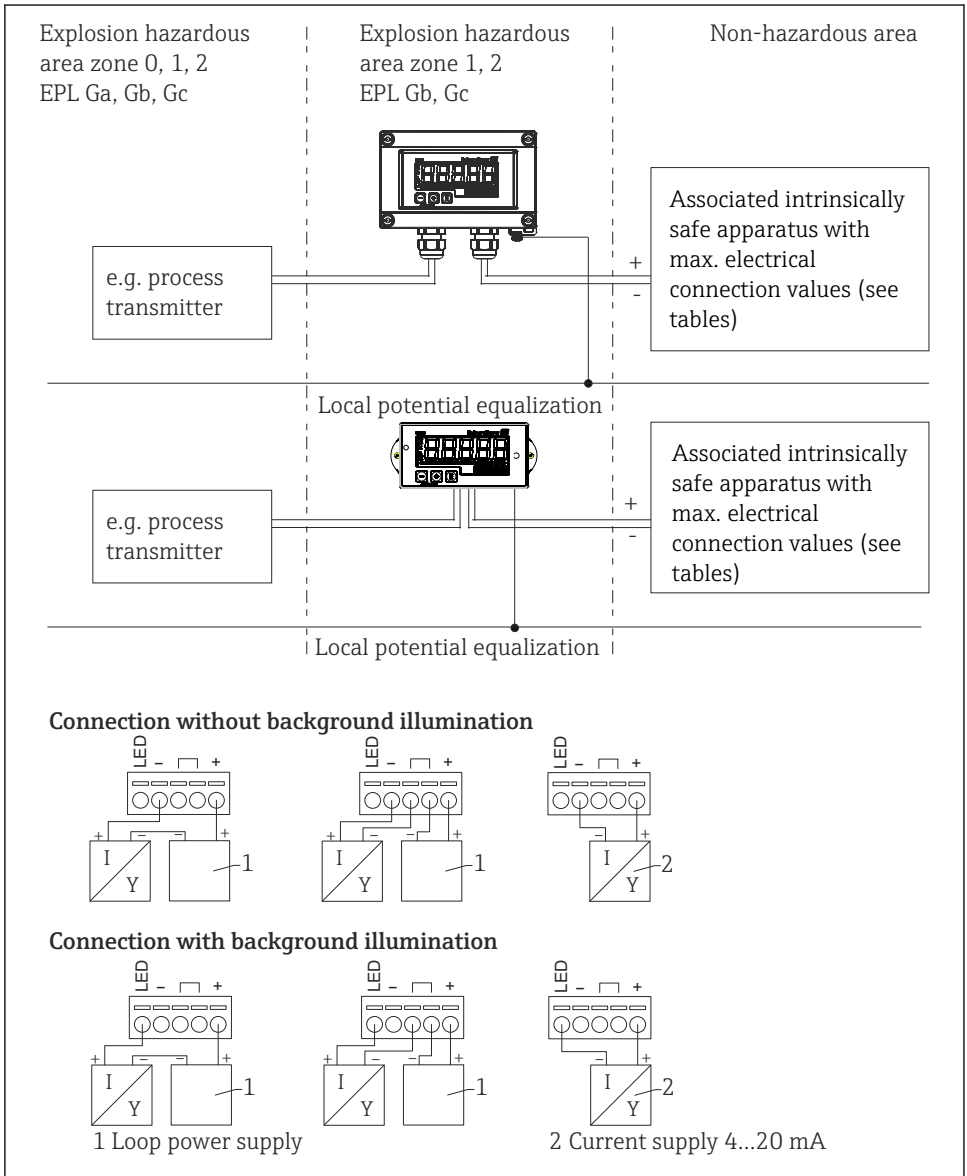


Please refer to NEPSI/CCC certificates for conditions of safe use.

**Manufacturer  
address**

Endress+Hauser Wetzler GmbH + Co. KG  
Obere Wank 1  
87484 Nesselwang, Germany

**Safety instructions**



A0050183

**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 indicator housing must be connected to the potential matching line.
- This product 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.

**Safety instructions:  
Special conditions**

- 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, ORIA15	T6	-40 °C ≤ Ta ≤ +60 °C (-40 °F ≤ Ta ≤ +140 °F)

**Electrical connection data**

RIA15, ORIA15	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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