

Safety Instructions

RIA15, ORIA15

ATEX, IECEX: Ex ib IIC T6 Gb

Safety instructions for electrical apparatus in
explosion-hazardous areas



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 -> 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



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:

- BA01157O or
- BA01203O (HART option)

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

**Manufacturer's
certificates****IECEX certificate**

Certificate number: IECEX PTB 12.0048X

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

- IEC 60079-0 : 2011
- IEC 60079-11 : 2011

ATEX certificate

Certificate number: PTB 12 ATEX 2017 X

EU Declaration of Conformity

Declaration number: EC_00189

UKCA certificate

Certificate number: CML 21UKEX2993X

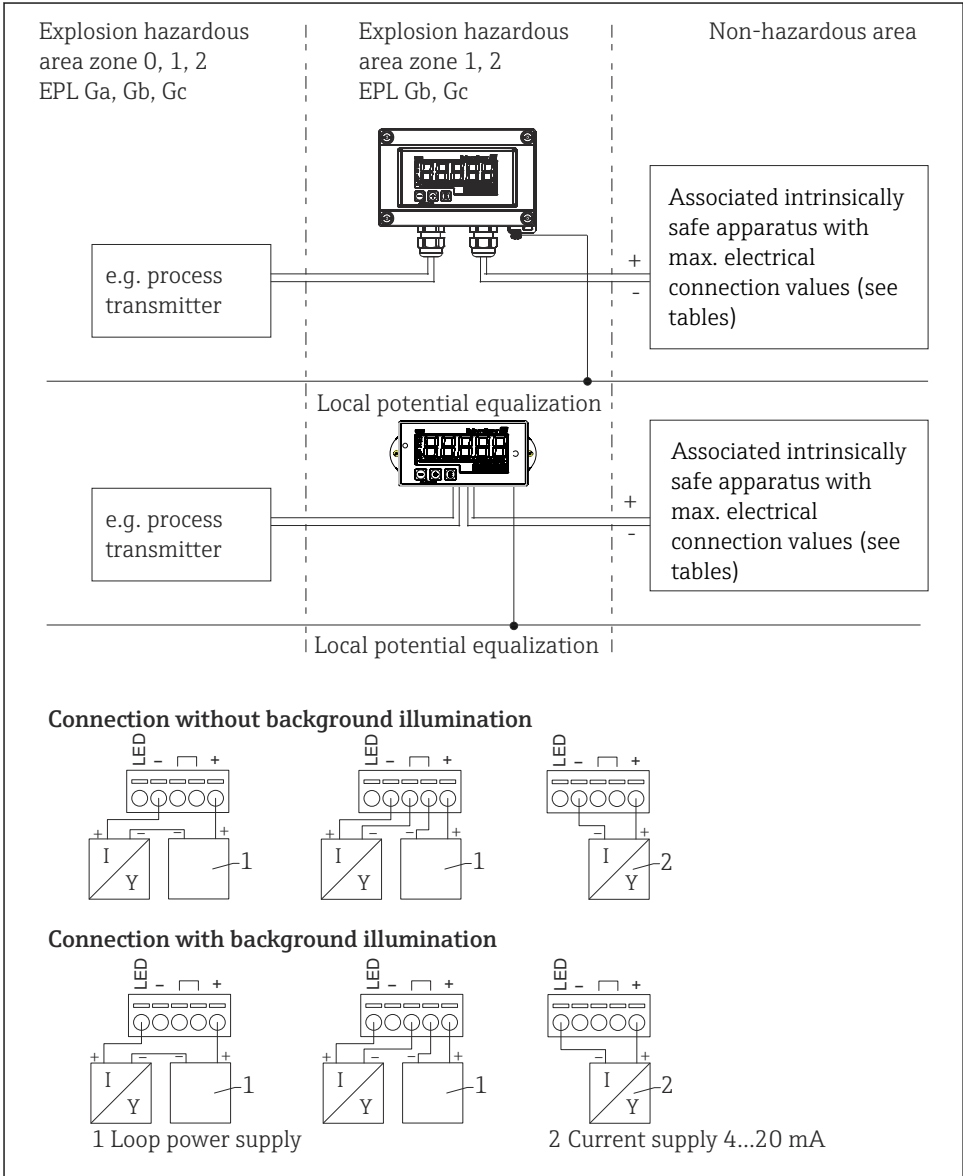
UKCA Declaration of Conformity

Declaration number: UK_00398

**Manufacturer
address**

Endress+Hauser Wetzer 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.

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, ORIA15	T6	-40 °C ≤ Ta ≤ +60 °C

Electrical connection data

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

Category	Type of protection (ATEX, IECEx)	Type
II2G	Ex ib IIC T6 Gb	RIA15, ORIA15



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