XA01464K/09/EN/01.16
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Safety Instructions
RIA15

1Ex ib [ia Ga] IIC T6 Gb X

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

Endress+Hauser
People for Process Automation

RIA15

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Associated documentation

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

RIA15:
Operating Instructions:
– BA01073K/09 or
– BA01170K/09 (HART option)

The Operating Instructions pertaining to the device apply.

Supplementary Documentation

Explosion-protection brochure:
CP00021Z/11

EAC certificate of conformity according to TR CU 012/2011

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.

Certification body: НАНИО "ЦСВЭ"

Certificate number: TC RU C-DE.GB05.B.00006

Affixing the certificate number certifies conformity with the following standards:

ГОСТ Р МЭК 60079-0-2011

ГОСТ Р МЭК 60079-11-2010

Manufacturer address

Endress+Hauser Wetzer GmbH + Co KG

Obere Wank 1

D-87484 Nesselwang

Germany

Phone: +49 (0)8361 308 0

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)
Local potential equalization
e.g. process transmitter
+
-
Associated intrinsically safe apparatus with max. electrical connection values (see tables)
Local potential equalization
Connection without background illumination
LED
I
Y
1
2
Connection with background illumination
1 Loop power supply
2 Current supply 4...20 mA

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 ⏊)	$U_i \leq 30\ V_{DC}$ $I_i \leq 200$ mA $P_i \leq 900$ mW C_i = negligible Li = 35.1 µH

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