


Safety Instructions

RIA15

JPN: Ex ib IIC T6



Document: XA01833K
Safety instructions for electrical apparatus for explosion-
hazardous areas →  3

RIA15

Table of contents

| | |
|-----------------------------------|---|
| Associated documentation | 4 |
| Supplementary Documentation | 4 |
| Manufacturer´s certificates | 4 |
| Safety instructions | 5 |
| Temperature tables | 6 |
| Electrical connection data | 6 |

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

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

Manufacturer's certificates

JPN certificate of conformity

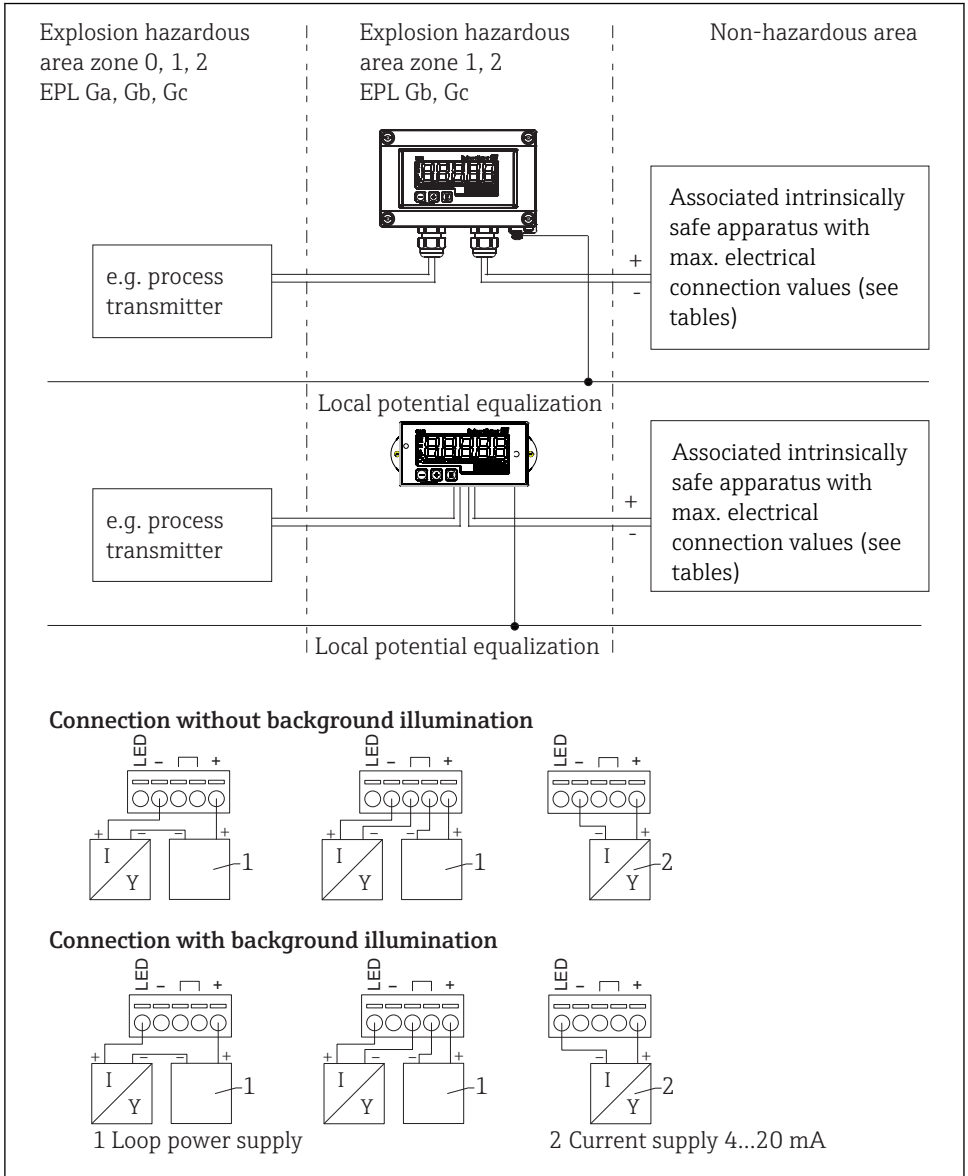
Certificate number: CSAUK 19JPN001X

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

JNIOHS-TR46-1:2015

JNIOHS-TR46-6:2015

Safety instructions



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.
- 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 ≤ 30 V _{DC} I _i ≤ 200 mA P _i ≤ 900 mW C _i = negligible L _i = 35.1 μH |

Type of protection

| Type of protection | Type |
|--------------------|-------|
| Ex ib IIC T6 Gb | RIA15 |

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