


Safety Instructions

Nivector FTI26

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Document: XA01943F-A
Safety instructions for electrical apparatus for explosion-hazardous areas →  3

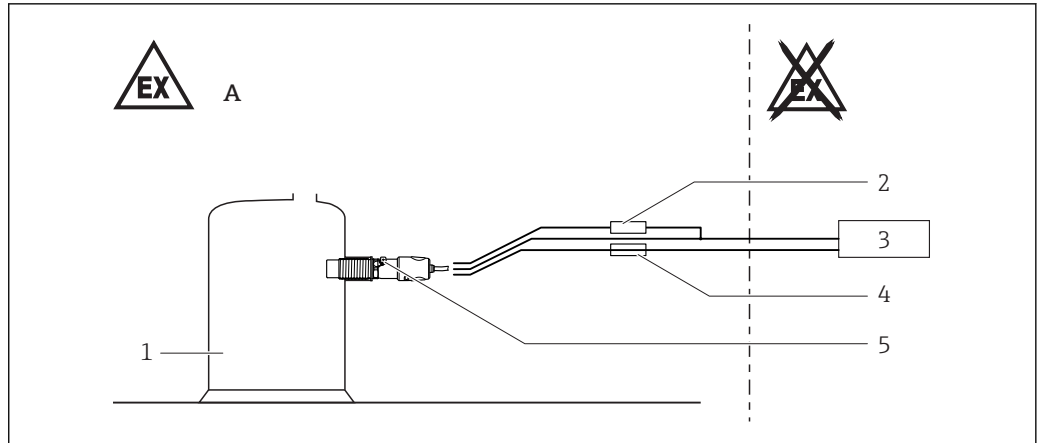
Nivector FTI26

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Associated documentation	<p>This document is an integral part of the following Operating Instructions:</p> <ul style="list-style-type: none"> ■ BA01830F/00 ■ BA01832F/00
Supplementary documentation	<p>Explosion-protection brochure: CP00021Z/11</p> <p>The Explosion-protection brochure is available:</p> <ul style="list-style-type: none"> ■ In the download area of the Endress+Hauser website: www.endress.com -> Downloads -> Media Type: Documentation -> Documentation Type: Brochures and catalogs -> Text Search: CP00021Z ■ On the CD for devices with CD-based documentation
Manufacturer's certificates	<p>Certificate of Conformity TP TC 012/2011</p> <p>Inspection authority: LLC NANIO CCVE (ООО «НАНИО ЦСВЭ»)</p> <p>Certificate number: EAЭC RU C-DE.AA87.B.00256/19</p> <p>Affixing the certificate number certifies conformity with the following standards (depending on the device version):</p> <ul style="list-style-type: none"> ■ GOST 31610.0-2014 (IEC 60079-0:2011) ■ GOST R IEC 60079-31-2010
Manufacturer address	<p>Endress+Hauser SE+Co. KG Hauptstraße 1 79689 Maulburg, Germany</p> <p>Address of the manufacturing plant: See nameplate.</p>
Safety instructions: General	<ul style="list-style-type: none"> ■ Staff must meet the following conditions for mounting, electrical installation, commissioning and maintenance of the device: <ul style="list-style-type: none"> ■ Be suitably qualified for their role and the tasks they perform ■ Be trained in explosion protection ■ Be familiar with national regulations ■ Install the device according to the manufacturer's instructions and national regulations. ■ Do not operate the device outside the specified electrical, thermal and mechanical parameters. ■ Avoid electrostatic charging: <ul style="list-style-type: none"> ■ Of plastic surfaces (e.g. housing, sensor element, special varnishing, attached additional plates, ..) ■ Of isolated capacities (e.g. isolated metallic plates)
Safety instructions: Special conditions	<p>Permitted ambient temperature range at the electronics housing: →  6, "Temperature tables".</p> <p>In the event of additional or alternative special varnishing on the housing or other metal parts:</p> <ul style="list-style-type: none"> ■ Observe the danger of electrostatic charging and discharge. ■ Do not rub surfaces with a dry cloth.

**Safety instructions:
Installation**



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- A Zone 22
- 1 Tank; Zone 20
- 2 Load:
When using one output: 200 mA
When using both outputs: 105 mA each
- 3 Power supply or switching unit
- 4 Fuse: 500 mA delayed
- 5 Potential equalization

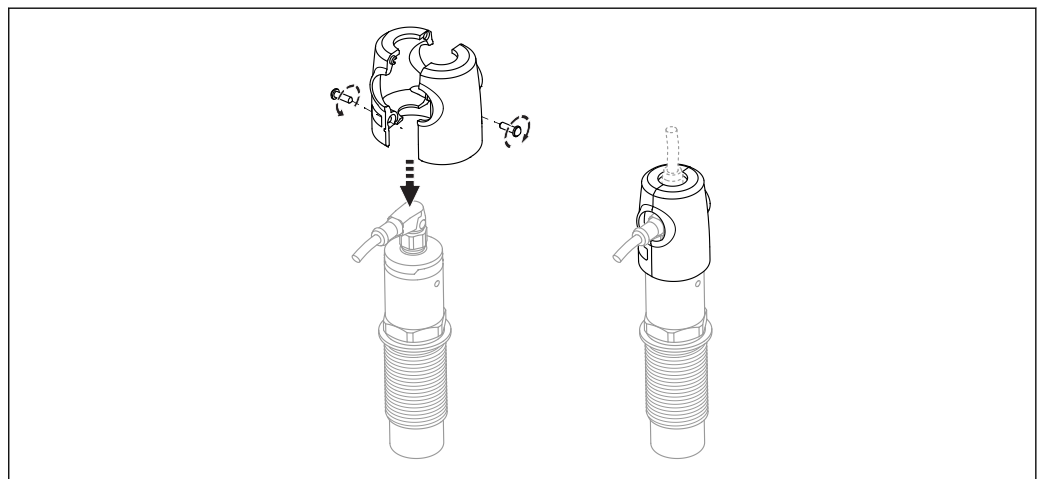
- Do not open in a potentially explosive dust atmosphere.
- Install the device to exclude any mechanical damage or friction during the application. Pay particular attention to flow conditions and tank fittings.
- Lay connecting cable and secure.
- Do not disconnect M12 plug connector when energized.

Potential equalization

Integrate the threaded sleeve into the local potential equalization.

Protective cover for hazardous locations

- i** To ensure safety in the explosion-hazardous area:
Mount the protective cover before operating the device.



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Temperature tables

Maximum surface temperature (limited by fuse in the device)	
	100 °C

Permitted ambient temperature range	
Zone 20:	$-20\text{ °C} \leq T_a \leq +75\text{ °C}$
Zone 22:	$-20\text{ °C} \leq T_a \leq +60\text{ °C}$

Connection data

Power supply	
Operating voltage:	12 to 35 V
Connectable loads:	<ul style="list-style-type: none">■ When using one output: 200 mA■ When using both outputs: 105 mA each



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