



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.:	<b>IECEX SEV 18.0019X</b>	Page 1 of 4	<u>Certificate history:</u>
Status:	<b>Current</b>	Issue No: 2	Issue 1 (2018-10-01) Issue 0 (2018-07-06)
Date of Issue:	2020-08-03		
Applicant:	<b>Endress+Hauser SE+Co. KG</b> Hauptstrasse 1 79689 Maulburg Germany		
Equipment:	<b>Nivector FTI26 Capacitive Level Switch for Bulk Solids</b>		
Optional accessory:			
Type of Protection:	<b>"ta", "tc"</b>		
Marking:	Ex ta/tc IIIC T100°C Da/Dc		



Approved for issue on behalf of the IECEx  
Certification Body:

**Martin Plüss**

Position:

**Manager Product Certification**

Signature:  
(for printed version)

Date:

2020-08-03

1. This certificate and schedule may only be reproduced in full.
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Certificate issued by:

**Eurofins Electric & Electronic Product Testing AG**  
Luppenstrasse 3  
CH-8320 FEHRALTORF  
Switzerland



E&E



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Manufacturer: **Endress & Hauser SE+Co.KG**  
Hauptstraße 1  
79689 Maulburg  
Germany

Additional manufacturing locations: **Endress & Hauser**  
This equipment may be manufactured at any  
Endress +Hauser facility listed on the current  
QAR DE/TUN/QAR06.0003/08  
Germany

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

#### STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

**IEC 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-31:2013** Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

#### TEST & ASSESSMENT REPORTS:

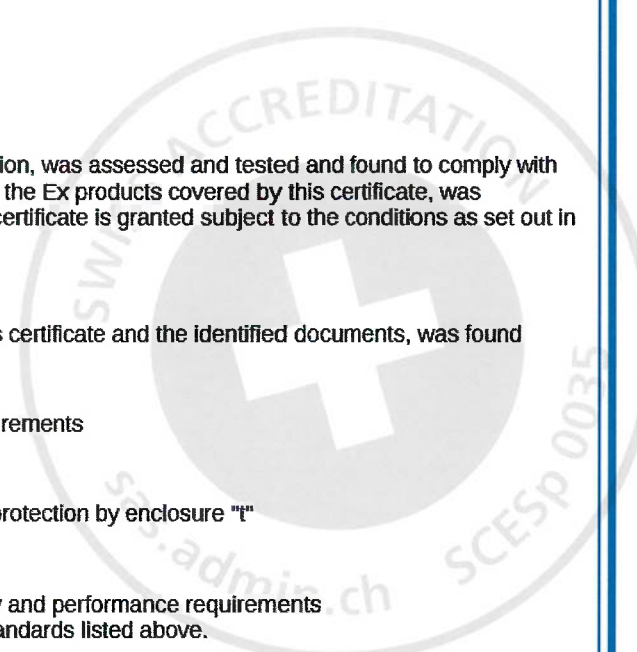
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[CH/SEV/EXTR18.0021/02](#)

Quality Assessment Report:

[DE/TUN/QAR06.0003/08](#)





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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

Capacitive Level Switch for Bulk Solids  
Type FTI26 - xx x x xxx xx

The Nivector FTI26 is a cost-efficient point level switch for solids in the food industry and powder applications in all industries. The capacitance device convinces with the best build-up performance in class and a high sensitivity. All industry compliant certificates are available. In addition, the FTI26 is industry 4.0 ready with IO-Link communication.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

The rated ambient temperature is -25 °C ... + 70 °C

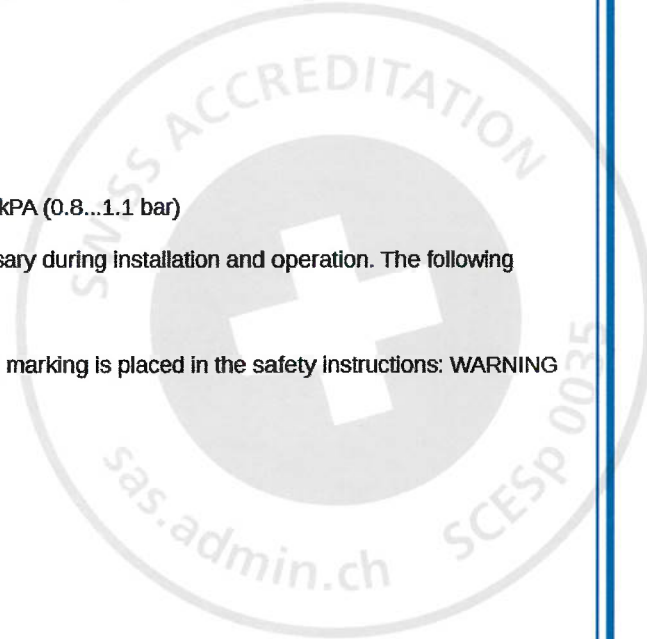
The rated process temperature is -20 °C ... + 75 °C

The FTI26 is for use under atmospheric conditions only. Pressure range: 80...110 kPa (0.8...1.1 bar)

Because the risk of electrostatic discharges, there are additional measures necessary during installation and operation. The following warning marking is placed in the safety instructions:

**WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD**

The M12 connector shall not be separated when energized. The following warning marking is placed in the safety instructions: **WARNING – DO NOT SEPARATE WHEN ENERGIZED**





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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

The drawings No.:

961002884

961002896

XA01734F-B

Have changed and a new date and index. The changes on the drawings are editorial and have no influence on the type of protection.

Update to new standard edition:

The deviations of the standard IEC 60079-0 were checked in accordance with the actual current standard for the mentioned apparatus.

The device complies with the actual current standard generation.

