



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

Certificate No.: **IECEX FMG 12.0030X**

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Certificate history:

Status: **Current**

Issue No: 6

Issue 5 (2024-03-01)

Issue 4 (2021-07-27)

Issue 3 (2021-03-05)

Issue 2 (2019-04-01)

Issue 1 (2015-04-20)

Issue 0 (2014-06-06)

Date of Issue: 2025-04-04

Applicant: **Endress+Hauser Wetzler GmbH+Co. KG**
Obere Wank 1
D-87484
Germany

Equipment: **FTE20/OFTE20 Soliswitch**

Optional accessory:

Type of Protection: **Protection by Enclosure Type 't'**

Marking: IECEx FMG 12.0030X

Ex ta IIIC T110°C Da (Process connection in the vessel)

Ex tb IIIC T110°C Db (Electronics enclosure in Zone 21 & 22)

Approved for issue on behalf of the IECEx
Certification Body:

J.E.Marquedant

Position:

VP, Manager - Electrical Systems

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

FM Approvals LLC
One Technology Way
Norwood MA 02062
United States of America

FM Approvals



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Manufacturer: **Endress+Hauser Wetzler GmbH+Co. KG**
Obere Wank 1
D-87484
Germany

Manufacturing locations: **Endress+Hauser Wetzler (India) Pvt. Ltd.** **Endress+Hauser Wetzler (Suzhou) Co. Ltd.** **Endress+Hauser Wetzler USA INC**
M171/173, MIDC, Waluj **Co. Ltd.** 2413 Endress Place
Aurangabad - 431 136 Su-Hong-Zhong-Lu No. 465 Greenwood, IN 46143
India 215021 Suzhou-SIP (P.R. China) **United States of America**

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 Reports:

[US/FMG/ExTR12.0034/00](#)
[US/FMG/ExTR12.0034/03](#)
[US/FMG/ExTR12.0034/06](#)

[US/FMG/ExTR12.0034/01](#)
[US/FMG/ExTR12.0034/04](#)

[US/FMG/ExTR12.0034/02](#)
[US/FMG/ExTR12.0034/05](#)

Quality Assessment Report:

[DE/TUN/QAR06.0009/12](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

FTE20/OFTE20 Soliswitch

FTE20-Ilbcdefgh. Soliswitch Level Limit Switch.

b = Process connection Material: 11 (Thread NPT 1 ½; PBT), 12 (Thread NPT 1 ¼; PBT), 13 (Thread G1 ½; PBT), 14 (Thread NPT 1 ½; 3034), 15 (Thread NPT 1 ¼; 3034), 16 (Thread G1 ½; PBT)

c = Version, Length: AA (Shaft, 75mm), AB (Shaft, 100mm), AC (Shaft, 120mm), AD (Shaft, 200mm), AE (Shaft, 300mm), AF (Rope, 2000mm, shortable), YY (shaft, up to 600 mm), AG (Shaft, 400mm, vertical), AH (Shaft, 500mm, vertical), AI (Shaft, 600mm, vertical)

d = Power Supply: 1 (20 – 28VDC), 2 (24VAC), 3 (115VAC), 4 (230VAC)

e = Paddle Material: 1 (Standard; 304), 2(Fold-away; 304)

f = Additional Option: CA (Rotation monitoring)

g = Accessory Mounted: Not allowed

h = Accessory Enclosed: PA (weather protection cover)

OFTE20-Ilbcdefghi. Soliswitch Level Limit Switch.

b = Process connection Material: 11 (Thread NPT 1 ½; PBT), 12 (Thread NPT 1 ¼; PBT), 13 (Thread G1 ½; PBT), 14 (Thread NPT 1 ½; 303), 15 (Thread NPT 1 ¼; 303), 16 (Thread G1 ½; PBT)

c = Version, Length: AA (Shaft, 75mm), AB (Shaft, 100mm), AC (Shaft, 120mm), AD (Shaft, 200mm), AE (Shaft, 300mm), AF (Rope, 2000mm, shortable), YY (shaft, up to 600 mm), AG (Shaft, 400mm, vertical), AH (Shaft, 500mm, vertical), AI (Shaft, 600mm, vertical)

d = Power Supply: 1 (20 – 28VDC), 2 (24VAC), 3 (115VAC), 4 (230VAC)

e = Paddle Material: 1 (Standard; 304), 2(Fold-away; 304)

f = Customer: NN (Neutral, light grey (RAL7035))

g = Additional Option: CA (Rotation monitoring)

h = Accessory Mounted: Not allowed

i = Accessory Enclosed: PA (weather protection cover)

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. To prevent the risk of electrostatic sparking, non-metallic surfaces should be cleaned with a damp cloth.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Model Code changes to add New Shaft versions.