



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX BVS 17.0089** issue No.: **0** Certificate history: [.....](#)

Status: **Current**

Date of Issue: **2017-11-21** Page 1 of 3

Applicant: **Endress+Hauser GmbH + Co. KG**
Hauptstr. 1
79689 Maulburg
Germany

Equipment: **Minicap type FTC260, OTC260**
Optional accessory:

Type of Protection: **Equipment dust ignition protection by enclosure "t"**


Marking: **Ex ta/tc IIIC T105°C Da/Dc**

Approved for issue on behalf of the IECEx Certification Body: **Jörg Koch**

Position: **Head of Certification Body**

Signature:
(for printed version)

Date:



21.11.17

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

DEKRA EXAM GmbH
Dinnendahlstrasse 9
44809 Bochum
Germany





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Manufacturer: **Endress+Hauser GmbH + Co. KG**
Hauptstr. 1
79689 Maulburg
Germany

Additional Manufacturing location(s):

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 electrical apparatus 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition: 6.0

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

*This Certificate **does not** indicate compliance with electrical 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:

DE/BVS/ExTR17.0085/00

Quality Assessment Report:

DE/TUN/QAR06.0003/06



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

General product information:

Capacitive Point Level Switch MINICAP Type FTC260-*****

The Capacitive Point Level Switch MINICAP Type FTC260-***** has two electrodes forming a special kind of capacitor with a defined low capacitance when the probe is uncovered.

As soon as some material (e.g. bulk, solid) covers the probe a parallel circuit consisting of a larger capacitance and the resistance of the material (impedance) a signal is activated.

The Capacitive Point Level Switch consists of an aluminium electronics enclosure (F34) situated in zone 22 and a plastic sensor located in zone 20.

Parameter

See Annex

SPECIFIC CONDITIONS OF USE: NO