



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 BVS 15.0009** Page 1 of 5 [Certificate history:](#)
Issue 0 (2015-02-17)

Status: **Current** Issue No: 1

Date of Issue: 2021-02-02

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

Equipment: **Level limit switch Solicap S type FTI77-***

Optional accessory:

Type of Protection: **Intrinsic Safety "i", Protection by Enclosure "t"**

Marking: Level limit switch Solicap S series FTI77- 6*****H/5/7/8**** with intrinsic safe supply "ia"
Ex ia IIIC T80°C T200/130°C Da
IP6X

Level limit switch Solicap S series FTI77- 4*****H/1/2/4/5****
Ex ia/tb IIIC T90°C Da/Db

Level limit switch Solicap S series FTI77- 5***** H/1/2/4/5****
Ex ia/tc IIIC T see manual Da/Dc

Approved for issue on behalf of the IECEx
Certification Body:

Jörg Koch

Position:

Head of Certification Body

Signature:
(for printed version)

Date:

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:

DEKRA Testing and Certification GmbH
Certification Body
Dinnendahlstrasse 9
44809 Bochum
Germany

 **DEKRA**
On the safe side.



IECEx Certificate of Conformity

Certificate No.: **IECEx BVS 15.0009**

Page 2 of 5

Date of issue: 2021-02-02

Issue No: 1

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

Additional
manufacturing
locations:

See following pages for more locations

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 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
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 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/ExTR15.0009/01](#)

Quality Assessment Report:

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



IECEx Certificate of Conformity

Certificate No.: **IECEx BVS 15.0009**

Page 3 of 5

Date of issue: 2021-02-02

Issue No: 1

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Description:

The Level limit switch Solicap S series FTI77* consists of a sensor working on a capacitive basis (rope- or sword) and an electronics enclosure.

The sensor circuit is intrinsically safe.

The sensor corresponds EPL Da, the electronics enclosure EPL Da, Db or Dc.

The Level limit switch can either be carried out in a compact version or in a version with separate housing.

Subject and Type

See Annex

Parameters

See Annex

SPECIFIC CONDITIONS OF USE: NO



IECEx Certificate of Conformity

Certificate No.: **IECEx BVS 15.0009**

Page 4 of 5

Date of issue: 2021-02-02

Issue No: 1

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- Updating to the current standards



IECEx Certificate of Conformity

Certificate No.: **IECEx BVS 15.0009**

Page 5 of 5

Date of issue: 2021-02-02

Issue No: 1

Additional manufacturing locations:

**Endress+Hauser (India) Automation
Instrumentation Pvt. Ltd.**
M-192, Waluj MIDC
Maharashtra State
Aurangabad 431136
India

Endress+Hauser (USA)
Automation Instrumentation Inc.
2340 Endress Place
Greenwood, Indiana 46143
United States of America

Endress+Hauser Yamanashi Co. Ltd.
862-1 Mitsukunugi
Sakaigawa-cho
Fuefuki-shi
Yamanashi 406-0846
Japan

Endress+Hauser (Brasil) Fluxômetros Ltda.
Estrada Municipal Antonio Sesti, 600-A -
Recreio Costa Verde
Itatiba, SP – 13254-085
Brazil

**Endress+Hauser (Suzhou) Automation
Instrumentation Co. Ltd.**
China – Singapore Industrial Park (SIP)
Su-Hong-Zhong-Lu, No. 491
Jiangsu Province, 215021 Suzhou
China

Annex:

[BVS_15_0009_Endress+Hauser_Annex_issue1.pdf](#)