



# 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)

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Issue 0 (2020-08-03)

Status: **Current** Issue No: 1

Date of Issue: 2022-11-08

Applicant: **SUCO Robert Scheuffele GmbH & Co. KG**  
Keplerstraße 12-14  
74321 Bietigheim-Bissingen  
Germany

Equipment: **Pressure switch types 0342-\*/0343-\*; 0344-\*/0345-\* ; 0H44-\*/0H45-\***

Optional accessory:

Type of Protection: **db, tb**

Marking: Ex db IIC T6/T5 Gb  
Ex tb IIIC T80°C/T100°C Db  
Ex db I Mb

Approved for issue on behalf of the IECEx  
Certification Body:

**Ulrich Feike**

Position:

**Head of Certification**

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.
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Certificate issued by:

**Bureau Veritas Consumer Products Services Germany GmbH**  
Businesspark A96  
86842 Türkheim  
Germany





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Manufacturer: **SUCO Robert Scheuffele GmbH & Co. KG**  
Keplerstraße 12-14  
74321 Bietigheim-Bissingen  
**Germany**

Manufacturing  
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 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
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:

[DE/EPS/ExTR19.0036/01](#)

Quality Assessment Report:

[DE/EPS/QAR20.0009/00](#)



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The pressure switch type 0342-\*, 0344-\*, 0H44-\* (diaphragm pressure switch) and 0343-\*, 0345-\*, 0H45-\* (piston pressure switch) opens or closes an electric circuit when reaching an adjustable pressure value. As the pressure increases, a diaphragm or piston is moved. The deflection of the diaphragm or the stroke of the piston depends on the pressure force and the adjustable spring preload. At a defined deflection of the membrane or a defined stroke of the piston a microswitch is actuated, which opens and closes the electrical contacts (changer).

The pressure switches are simple electrical apparatus in accordance with IEC 60079-11:2011 (chapter 5.7) and can thus be operated within intrinsic safe circuits.

Electrical data:

| Rated supply voltage | Rated supply current | category      |
|----------------------|----------------------|---------------|
| 250 V ac 50/60 Hz    | 2 A                  | AC 12         |
| 250 V ac 50/60 Hz    | 1 A                  | AC 14         |
| 24 V dc              | 2/1 A                | DC 12 / DC 13 |
| 50 V dc              | 1/0.5 A              | DC 12 / DC 13 |
| 75 V dc              | 0.5/0.25 A           | DC 12 / DC 13 |
| 125 V dc             | 0.2/0.1 A            | DC 12 / DC 13 |
| 250 V dc             | 0.15/0.1A            | DC 12 / DC 13 |

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

Ambient temperature range: -20°C to +70°C (for temperature class T6/T80°C) or -20°C to +80°C (for temperature class T5/T100°C)

Electrostatic grounding has to be ensured in the final installation of the pressure switches.



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

Add 0344/0345, 0H44/0H45 series with stainless steel enclosure and new potting compound.