



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 EPS 19.0038X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-08-03

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

Equipment: **Pressure switch types 0342-* and 0343-***

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:

Position:

Signature:
(for printed version)

Date:

Heiger Schaffer

Head of Certification

03.08.2020



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:

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





IECEX Certificate of Conformity

Certificate No.: **IECEX EPS 19.0038X**

Page 2 of 3

Date of issue: 2020-08-03

Issue No: 0

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

Additional
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 60079-1:2014-06 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/ExTR19.0036/00](#)

Quality Assessment Report:

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



IECEX Certificate of Conformity

Certificate No.: **IECEX EPS 19.0038X**

Page 3 of 3

Date of issue: 2020-08-03

Issue No: 0

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The pressure switch type 0342-* (diaphragm pressure switch) and 0343-* (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.