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 EPS 19.0039

Issue No: 0

Certificate history:
Issue No. 0 (2019-06-06)

Status: **Current**

Date of Issue: **2019-06-06**

Applicant: **Schischek GmbH**
Mühlsteig 45, Gewerbegebiet Süd 5
90579 Langenzenn
Germany

Equipment: **Actuator Type ExRun**

Optional accessory:

Type of Protection: **db eb ib tb**

Marking:

Ex db eb [ib Gb] IIC T6, T5, T4 Gb

Ex tb [ib Db] IIIC T80°C, T95°C, T130°C Db

Approved for issue on behalf of the IECEx Certification Body: Holger Schaffer

Position: Head of Certification

Signature:
(for printed version)

Date: 2019-06-06

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.

Certificate issued by:

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

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Manufacturer:	**Schischek GmbH** Mühlsteig 45, Gewerbegebiet Süd 5 90579 Langenzenn **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 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 : 2017 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2017 Edition:5.1	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*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/EPS/ExTR19.0038/00

Quality Assessment Report:

DE/BVS/QAR07.0009/11

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The actuator, type ExRun-*** consists of a flameproof enclosure with actuator shafts that accommodate electromechanical components. The internal portion is temperature controlled. The flameproof enclosure is mounted in a protective housing together with additional mechanical components. The gears and mechanical actuators mounted in the protective housing do not form part of this type approval.

Connection is by means of a increased safety junction box

Electrical data:

Power supply: terminals 1-5 (X1, XA)

Nominal voltage U_o/U_____up to 24 – 240 V

Rated voltage _____ max. 240 V

Rated current _____ max. 2,5 A

Option –S terminals 1-6 (XB)

Nominal voltage U_o/U_____up to 24- 230 V

Rated voltage _____ max. 240 V

Rated current _____ max. 5,0 A

Option –Y terminals 1-6 (X2, XB)

Nominal voltage U_o/U_____up to 24 V

Rated voltage _____ max. 24 V

Rated current_____max. 30 mA

Rated values are maximum values, the actual electrical values are determined by mounted electrical apparatus. Within these limiting values complying with the appropriate standards, the manufacturer specifies the final limiting values dependent on power supply specifications, operating mode, utilization category, etc. Any additional technical features are specified in the test documents and the operating manual.

Ambient temperature	T6	-40 °C up to +40 °C
	T5	-40 °C up to +50 °C
	T4	-40 °C up to +60 °C

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SPECIFIC CONDITIONS OF USE: NO

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EQUIPMENT (continued):

Intrinsic safe circuits

RS232, terminals 1-6 (EEXi output, SV101)

U_o	5,88 V
Io	119 mA
Po	0,7 W

Linear circuit

Li negligible

Ci negligible

Maximum of external lumped capacitance and inductance: