

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 19.0040

Issue No: 0

Page 1 of 5

Certificate history:

Status:

Current

Issue No. 0 (2019-06-06)

Date of Issue:

2019-06-06

Applicant:

Schischek GmbH

Mühlsteig 45, Gewerbegebiet Süd 5

90579 Langenzenn

Germany

Equipment:

Actuator Type RedRun

Optional accessory:

Type of Protection:

db ec ic tc

Marking:

Ex db ec [ic Gc] IIC T6, T5,T4 Gc

Ex tc [ic Dc] IIIC T80°C, T95°C, T130°C Dc

Approved for issue on behalf of the IECEx

Certification Body:

Position:

Signature:

(for printed version)

Date:

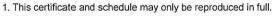
Holger Schaffer

Head of Certification

2019-06-06

Veritas CPS





- 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





Certificate No: IECEx EPS 19.0040 Issue No: 0

Date of Issue: 2019-06-06 Page 2 of 5

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 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 60079-11: 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

IEC 60079-7: 2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

Edition:5.1

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/ExTR19.0039/00

Quality Assessment Report:

DE/BVS/QAR07.0009/11



Certificate No:

IECEx EPS 19.0040

Issue No: 0

Date of Issue:

2019-06-06

Page 3 of 5

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The actuator, type RedRun-*** 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 Klemmen 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



Certificate No:

IECEx EPS 19.0040

Issue No: 0

Date of Issue:

2019-06-06

Page 4 of 5

SPECIFIC CONDITIONS OF USE: NO



Certificate No:	IECEx EPS 19.0040	Issue No: 0		
Date of Issue:	2019-06-06	Page 5 of 5		
EQUIPMENT (continued):				
Intrinsic safe circuits				
RS232, terminals 1-6	(EEXi output, SV101)			
U _o		5,88 V		
lo		119 mA		
Po		0,7 W		
Linear circuit				

Li negligible

Ci negligible

Maximum of external lumped capacitance and inductance: