



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 20.0029X**

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[Certificate history:](#)

Status: **Current**

Issue No: 0

Date of Issue: **2020-06-29**

Applicant: **Schischek GmbH**
Mühlsteig 45
90579 Langenzenn
Germany

Equipment: **Linear actuator gearbox**

Optional accessory: **Lin**

Type of Protection: **"h"**

Marking: **Ex h IIC T6/T5/T4 Gb**
Ex h IIIC T80°C/T95°C/T130°C Db

Approved for issue on behalf of the IECEx
Certification Body:

Position:

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:

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





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Manufacturer: **Schischek GmbH**
Mühlsteig 45
90579 Langenzenn
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

ISO 80079-36:2016 Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic methods and requirements
Edition:1.0

ISO 80079-37:2016 Explosive atmospheres - Part 37: Non-electrical equipment for explosive atmospheres - Non electrical type of protection constructional safety "c", control of ignition source "b", liquid immersion "k"
Edition:1.0

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/ExTR20.0026/00](#)

Quality Assessment Report:

[DE/BVS/QAR07.0009/12](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The linear actuator gearbox Lin is mounted on a 90° actuator to convert the rotary motion into a linear motion. The assembly group of gearbox and actuator is mounted on valves in order to control, adjust or open/close the valves.

The gearbox shall only be assembled together with either of the two already certified actuators ExMax-*** (IECEx EPS 17.0065X) and RedMax-*** (IECEx EPS 18.0107X).

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The gearbox shall only be used together with an already certified actuator and enclosure provided by Schischek, ensuring a proper earth connection of all metallic parts.
- Only lubricants with an ignition temperature (see IEC 60079-20-1) at least 50 K above the maximum surface temperature shall be used.
- Ambient temperature range: $-40^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}/+50^{\circ}\text{C}/+60^{\circ}\text{C}$ (results in different temperature classes)