



# 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)

Certificate No.: **IECEx EPS 20.0027X**

Page 1 of 3

[Certificate history:](#)

Status: **Current**

Issue No: 0

Date of Issue: 2020-03-24

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

Equipment: **Actuator gearbox**

Optional accessory: ExMax, RedMax

Type of Protection: **"h"**

Marking:

ExMax	RedMax
Ex h IIC T6/T5/T4 Gb	Ex h IIC T6/T5/T4 Gc
Ex h IIIC T80°C/T95°C/T130°C Db	Ex h IIIC T80°C/T95°C/T130°C Dc

Approved for issue on behalf of the IECEx  
Certification Body:

**Holger Schaffer**

Position:

**Head of Certification**

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](http://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 20.0027X**

Page 2 of 3

Date of issue: 2020-03-24

Issue No: 0

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/ExTR20.0024/00](#)

Quality Assessment Report:

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



# IECEx Certificate of Conformity

Certificate No.: **IECEx EPS 20.0027X**

Page 3 of 3

Date of issue: 2020-03-24

Issue No: 0

## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The actuator gearboxes ExMax and RedMax are mounted on a separately certified actuator with electrical motor. The assembly group of gearbox and actuator is used for adjustment of air and fire dampers, valves such as ball valves, mixer and throttle valves as well as control valves.

The gearbox comes in different sizes MaxS, MaxS (F1), MaxM, MaxM (F3).

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 metal 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)