(1) # Certificate of Conformity

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – **Directive 2014/34/EU**

(3) Certificate Number:

EPS 19 ATEX 1 078 **Revision 0**

(4) Equipment: Actuator, Type RedRun

(5) Manufacturer: Schischek GmbH

(6) Address: Mühlsteig 45, Gewerbegebiet Süd 5
90579 Langenzenn
Germany

(7) This equipment and any acceptable variation thereto are specified in the schedule to this Certificate of Conformity and the documents therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH certifies based on a voluntary assessment that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive 2014/34/EU. The examination and test results are recorded in the confidential documentation under the reference number 19TH0210.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2018	**EN 60079-1:2014**	**EN 60079-7:2015+A1:2018**
EN 60079-0:2012.A11:2013	**EN 60079-31:2014**	**EN 60079-11:2012**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This Certificate of Conformity relates only to the design and the construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture and supply of this equipment. Those requirements are not covered by this certificate.

(12) The marking of the equipment shall include the following:

II 3(3)G Ex db ec [ic Gc] IIC T6, T5,T4 Gc

II 3(3)D Ex tc [ic Dc] IIIC T80°C, T95°C, T130°C Dc

Certification department of explosion protection

H. Schaffer

Hamburg, 2019-06-06

Certificates without signature and seal are void. This certificate is allowed to be distributed only if not modified. Extracts or modifications must be authorized by Bureau Veritas Consumer Products Services Germany GmbH. EPS 19 ATEX 1 078, Revision 0

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(13) # Annexe

(14) **Certificate of Conformity EPS 19 ATEX 1 078** **Revision x**

(15) Description of equipment:

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 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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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:

	Ex ic		
	IIC	IIB	IIA
Lo	2 mH	2 mH	2 mH
Co	43 µF	1000 µF	1000 µF

(16) Reference number: 19TH0210

(17) Schedule of Limitations:

None

(18) Essential health and safety requirements:

Met by standards.

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