



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 13.0017X Issue No: 2 **Certificate history:**
Issue No. 3* (2015-07-10)
Status: Current Page 1 of 4 Issue No. 2 (2015-07-13)
Issue No. 1 (2015-02-13)
Date of Issue: 2015-07-13 Issue No. 0 (2013-07-02)

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

Electrical Apparatus: ExPolar
Optional accessory:

Type of Protection: eb mb tb

Marking:
Ex eb mb IIC T6
Ex tb mb IIIC T80°C

Approved for issue on behalf of the IECEx
Certification Body:

D. Zitzmann

Position:

Manager Certification

Signature:
(for printed version)

Date:

2015-07-13



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](http://www.iecex.com).

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 electrical 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 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-18 : 2009 Edition:3	Explosive atmospheres Part 18: Equipment protection by encapsulation "m"
IEC 60079-31 : 2008 Edition:1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
IEC 60079-7 : 2006-07 Edition:4	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/ExTR13.0017/02](#)

Quality Assessment Report:

[DE/BVS/QAR07.0009/06](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The heating device ExPolar is used in hazardous locations of zone 1/21 in an ambient temperature range of $-50^{\circ}\text{C} < T_{\text{amb}} < +60^{\circ}\text{C}$.

The system consists of heating pad, different encapsulated thermostats and an already certified connection box. The entire device is protected by an enclosure to achieve IP66.

CONDITIONS OF CERTIFICATION: YES as shown below:

Ambient temperature range: $-50^{\circ}\text{C} < T_{\text{amb}} < +60^{\circ}\text{C}$

The status of the safety devices (thermostats) has to be checked regularly. For details see safety instructions in the user manual.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Implemetation of additional components.