



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

Certificate No.: IECEx EPS 16.0004U Issue No: 0 Certificate history:  
Issue No. 0 (2016-02-08)

Status: **Current** Page 1 of 3

Date of Issue: **2016-02-08**

Applicant: **BARTEC GmbH**  
Max-Eyth-Str. 16,  
97980 Bad Mergentheim  
**Germany**

Electrical Apparatus: **Potentiometer type 07-661\*-\*\*\*\*/\*\*\*\***  
Optional accessory:

Type of Protection: **"d"**

Marking:  
Ex d IIC Gb / Ex db IIC  
Ex d I Mb / Ex db I

Approved for issue on behalf of the IECEx  
Certification Body:

Dieter Zitzmann

Position:

Certification manager

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 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: **BARTEC GmbH**  
Max-Eyth-Str. 16,  
97980 Bad Mergentheim  
**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** Explosive atmospheres - Part 0: General requirements  
Edition:6.0

**IEC 60079-1 : 2014-06** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

*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/ExTR16.0004/00](#)

Quality Assessment Report:

[DE/TUN/QAR06.0017/07](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The Potentiometer type 07-661\*-\*\*\*\*/\*\*\*\* can be used in hazardous location zone 1 and for group I mining applications.

#### Electric data:

rated Voltage: 250V

max dissipated Power: 4W

rated cross section: 2 (3) x 0,75 mm<sup>2</sup> or 2 (3) x 0,5 mm<sup>2</sup>

#### Schedule of limitations

The potentiometer must be installed inside certified Ex-e enclosure or enclosure complying with type of protection for respective category and group.

The max. service temperature range is from -55°C to +110°C (depending on used cable).

The equipment temperature class rating can be derived from manufacturer documents depending on ambient temperature and power rating.

**CONDITIONS OF CERTIFICATION: NO**