



# 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 TUN 11.0021X** issue No.:2

Status: **Current**

Certificate history:  
~~Issue No. 2 (2017-6-8)~~  
~~Issue No. 1 (2015-5-18)~~  
~~Issue No. 0 (2012-2-2)~~

Date of Issue: **2017-06-08** Page 1 of 4

Applicant: **Baumer Hübner GmbH**  
Max-Dohrn-Str. 2+4  
10589 Berlin  
Germany

Equipment: **Incremental encoder type EExOG 9...**  
*Optional accessory:*

Type of Protection: **Flameproof enclosures "d", increased safety "e"**

Marking: **Ex db eb IIC T5/T6 Gb**


*Approved for issue on behalf of the IECEx  
Certification Body:*

Christian Roder

*Position:*

Deputy Head of IECEx Certification Body

*Signature:  
(for printed version)*

  
2017-06-08

*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:





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Manufacturer: **Baumer Hübner GmbH**  
Max-Dohrn-Str. 2+4  
10589 Berlin  
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:

- |  |   |
|--|---|
| <b>IEC 60079-0 : 2011</b><br>Edition: 6.0    | Explosive atmospheres - Part 0: General requirements                              |
| <b>IEC 60079-1 : 2014-06</b><br>Edition: 7.0 | Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d" |
| <b>IEC 60079-7 : 2015</b><br>Edition: 5.0    | 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/TUN/ExTR11.0023/01

DE/TUN/ExTR11.0023/02

Quality Assessment Report:

DE/TUN/QAR11.0011/03



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## Schedule

### EQUIPMENT:

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

The incremental encoder type EExOG 9... is used for measuring the rotating speed of rotating electrical machines. It consists of a housing in the type of protection flameproof enclosures "d" with a terminal box in the type of protection increased safety "e".

#### Technical Data:

Maximum speed	4500 1/min for temperature class T6 6000 1/min for temperature class T5
Permitted range of ambient temperature	-20 °C to +55 °C resp. -50 °C to +55 °C
Rated voltage	to 30 V
Rated current without ballast	to 100 mA

### SPECIFIC CONDITIONS OF USE: YES as shown below:

Repairs may only be carried out by the manufacturer.

The permitted range of ambient temperature is -20 °C to +55 °C and -50 °C to +55 °C. The valid ambient temperature is stated in the operating instructions.

The hexagon socket screws M4 x 12 have the property class 8.8.



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

The marking changes as follows: Ex db eb IIC T5/T6 Gb.

The specific conditions of use have changed.