



## Translation

### (1) **EU-Type Examination Certificate**

(2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 2014/34/EU**

(3) **Certificate Number** TÜV 02 ATEX 1921 X **Issue:** 02

(4) for the product: Incremental encoder type EExHOG 161...

(5) of the manufacturer: Baumer Germany GmbH & Co. KG

(6) Address: Bodenseeallee 7  
78333 Stockach  
Germany

Order number: 8003051492

Date of issue: See date of signature

(7) The design of this product and any acceptable variation thereto are specified in the schedule to this EU-Type Examination Certificate and the documents therein referred to.

(8) The TÜV NORD CERT GmbH, Notified Body No. 0044, in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential ATEX Assessment Report No. 22 203 334685.

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

**EN IEC 60079-0:2018/AC:2020-02      EN 60079-1:2014      EN IEC 60079-7:2015/A1:2018**

except in respect of those requirements listed at item 18 of the schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions for Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design, and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

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

 **II 2 G Ex db eb IIC T6 Gb**

TÜV NORD CERT GmbH, Am TÜV 1, 45307 Essen, notified by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

The deputy head of the notified body

(13) **SCHEDULE**

(14) **EU-Type Examination Certificate TÜV 02 ATEX 1921 X Issue 02**

(15) Description of product

The incremental encoder type EExHOG161... is used for measuring speeds 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

Permitted range of ambient temperature with shaft sealing (drawing no. 74140C)	-20 °C to +58 °C
Permitted range of ambient temperature without shaft sealing (drawing no. 74141C)	-20 °C to +66 °C
Maximum speed	5600 1/min
Rated voltage	to 30 V
Rated current without ballast	to 100 mA

Table of certified components:

Subject	Type	Marking	Certification number	Standard with date
Leitungsdurchführung Line bushing	07-91**_****/****, 57-91**_****r***	Ex db IIC Gb Ex db I Mb	EPS 13 ATEX 1 619 U	EN IEC 60079-0:2018 EN 60079-1:2014
			IECEx EPS 13.0045U	IEC 60079-0:2017 IEC 60079-1:2014
PCB Single Terminal Blocks	FRONT 2,5-H/...- EX, FRONT 2,5- V/...-EX	Ex eb IIC Gb	IECEx KEM 07.0023U	IEC 60079-0:2017 IEC 60079-7:2017
PCB Terminal	Blocks Types SPT 2,5/...-H-5,0- EX..., SPT 2,5/...-H-EX PROFINET..., SPT 2,5/... V 5,0 EX..., SPT 2,5/...-V-EX PROFINET...	Ex eb IIC Gb	IECEx KEM 07.0057U	IEC 60079-0:2017 IEC 60079-7:2017

**Schedule to EU-Type Examination Certificate TÜV 02 ATEX 1921 X Issue 02**

(16) Drawings and documents are listed in the ATEX Assessment Report No. 22 203 334685.

(17) Specific Conditions for Use

1. Repairs may only be carried out by the manufacturer.
2. The permitted range of ambient temperature is -20 °C to +58 °C and -20 °C to +66 °C.  
The valid ambient temperature is stated in the operating instructions.
3. The hexagon socket screws M5 x 16 and M5 x 20 have the property class 8.8.

(18) Essential Health and Safety Requirements

no additional ones

- End of EU-Type Examination Certificate -