



[1] **EU-TYPE EXAMINATION CERTIFICATE - Translation**

[2] Equipment or protective systems
intended for use in potentially explosive atmospheres, Directive 2014/34/EU

[3] EU-type examination certificate number **IBExU16ATEX1159 X** | Issue 1

[4] Product: **Encoder**
Type: Ex FG 40

[5] Manufacturer: JOHANNES HÜBNER Fabrik elektrischer Maschinen GmbH

[6] Address: Siemensstraße 7
35394 Gießen
GERMANY

[7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] IBExU Institut für Sicherheitstechnik GmbH, notified body number 0637 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 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 test report IB-20-3-0134.

[9] Compliance with the essential health and safety requirements has been assured by compliance with: EN IEC 60079-0:2018, EN 60079-1:2014 and EN 60079-31:2014 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 of 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 product. These are not covered by this certificate.

[12] The marking of the product shall include the following:

II 2G Ex db IIC T6 or T5 Gb
 II 2D Ex tb IIIC T85 °C Db

IBExU Institut für Sicherheitstechnik GmbH
Fuchsmühlenweg 7
09599 Freiberg, GERMANY

Tel: + 49 (0) 37 31 / 38 05 0
Fax: + 49 (0) 37 31 / 38 05 10

By order

Dipl.-Ing. [FH] Henker



(notified body number 0637)

Certificates without signature and seal are not valid. Certificates may only be duplicated completely and unchanged. In case of dispute, the German text shall prevail.

Freiberg, 2020-10-12

2. The shaft and shaft sealing ring were not tested for resistance against environmental influences (UV radiation, mechanical influences) because, at a proper installation of the equipment for the intended use, no environmental influences are expected. If the equipment occasionally should not be installed as required, then the shaft and shaft sealing ring have to be protected against environmental influences (light sources, mechanical influences).
3. The type of protection depends on a proper selection and installation of the cable glands. All openings have to be provided with suitable cable glands. These cable glands must have been certified and passed the conformity assessment or EU-type examination certificates in accordance with the standards EN 60079-0 and EN 60079-1 (explosive gas atmospheres) and, if required, EN 60079-31 (explosive dust atmospheres). In addition, they have to be selected in accordance with EN 60079-14.
4. The product contains gaps which deviate from the minimum requirements of EN 60079-1. Therefore, repair work is not allowed.

[18] **Essential health and safety requirements**

In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item [9], the following are considered relevant to this product, and conformity is demonstrated in the test report:

None

[19] **Drawings and Documents**

The documents are listed in the test report.

IBExU Institut für Sicherheitstechnik GmbH
Fuchsmühlenweg 7
09599 Freiberg, GERMANY

By order



Dipl.-Ing. [FH] Henker

Freiberg, 2020-10-12