

Translation:

(1) **Type Examination Certificate**

(2) Equipment or Protective systems intended for use in potentially explosive atmosphere **Directive 2014 / 34 / EU**

(3) **Number:** **TURCK Ex-18004H X** **issue No.: 0**

(4) Product: Contactless encoder
RI360P0-QR24M0-****-****/3GD

(5) Manufacturer: Hans Turck GmbH & Co KG

(6) Address: Witzlebenstr. 7
45472 Mülheim an der Ruhr, Germany

(7) The design of this product and any acceptable variation thereto is specified in the appendix to this Type Examination Certificate.

(8) The Hans Turck GmbH & Co. KG certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive. The examination and test are recorded in the confidential Assessment Report TURCK Ex-18004H X.

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

EN 60079-0:2012/A11:2013 EN 60079-7:2015 EN 60079-31:2014

(10) If the sign "X" is placed after the certificate number, it indicates that the product or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This Type Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to the Directive 2014 / 34 / EU. 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 equipment protective system must include the following:



II 3 G Ex ec IIA T4 Gc
II 3 D Ex tc IIIC T100°C Dc

Hans Turck GmbH & Co. KG



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Mülheim an der Ruhr, Date 30.11.2018

(i.A. W. Dick)
Certification Representative

Translation:

(13) **Appendix**

(14) **Statement of Conformity TURCK Ex-18004H X**

(15) Product description

The inductive rotary encoders function contactless and are maintenance and wear-free with optimum reproducibility, resolution and linearity over a wide temperature range. They are insensitive to magnetic direct and alternating fields.

Ambient temperature range: -25°C...+85°C

Electrical Data:

Nominal voltage 15...30V DC

Nominal current ----

(16) Report Number:

Zone2+22_A0_D_PB_~_Turck Ex-18004HX

(17) Special conditions for safe use:

- Fix a warning in the near of connector permanently in suitable form with following text: NICHT UNTER SPANNUNG TRENNEN / DO NOT SEPARATE WHEN ENERGIZED.
- The connection of the sensor with integrated M12 flange socket must be equipped with an M12 connector seperately certified for this purpose. The connector has to comply with the requirements according EN/IEC 61076-2-101.
- The device connectors have to be secured against accidentally disconnecting; use the included safety clip SC-M12 / 3GD.
- The device shall be protected against ultraviolet radiation.

(18) Essential health and safety requirements:

- no additional ones