

Translation:

(1) **Type Examination Certificate**

(2) Equipment or Protective systems intended for use in potentially explosive atmosphere **Directive 2014 / 34 / EU and SI 2016/1107**

(3) **Number:** **TURCK Ex-18003HX** **issue No.: 1**

(4) Product: BL ident RFID read-write-head
TN(LR)-Q80-H1147-Ex/(C53)

(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-18003HX.

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

EN IEC 60079-0:2018 EN IEC 60079-7:2015/A1:2018 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 IIC T4 Gc**
II 3 D Ex tc IIIB T135°C Dc

Hans Turck GmbH & Co. KG



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Mülheim an der Ruhr, Date 2022-09-05

(i.A. W. Dick)
Certification Representative

Translation:

(13) **Appendix**

(14) **Statement of Conformity TURCK Ex-18003HX**

(15) Product description

The BL ident RFID read-write-head serves to exchange data contact free with the accordant data carriers (TAGs). Here the data carrier is supplied with energy as well as the data transfer is realized.

Ambient temperature range: -10°C...+50°C

Electrical Data:

Nominal voltage	24V DC
Nominal current	----
Transmit frequency	13,56MHz
Max. radiation power	100mW

(16) Report Number:

Zone2_A0_D_PB_~_Turck Ex-18003HX
Zone2+22_A1_D_NGW_~_Turck Ex-18003HX

(17) Special conditions for safe use:

- The sensor must be protected against static charge, e.g. by conductive fastening with connection to protective ground potential.
- Plug-in devices or connection cables may only be connected or disconnected in a de-energized state.
- 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 device connectors have to be secured against accidentally disconnecting; use the included safety clip SC-M12 / 3GD.
- The device shall be protected against mechanical damage >4J resp. >2J around the lense.
- The device shall be protected against ultraviolet radiation.

(18) Essential health and safety requirements:

- no additional ones