

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-10005M X** **issue No.: 3**

(4) **Product:** **RFID read/write head**
TB-EM18WD-H1147-Ex(/C53), TB-EM18WD-H1147/S**-Ex
TN-EM18WD-H1147-Ex(/C53), TN-EM18WD-H1147/S**-Ex
TB-EM30WD-H1147-Ex(/C53), TB-EM30WD-H1147/S**-Ex
TN-EM30WD-H1147-Ex(/C53), TN-EM30WD-H1147/S**-Ex

(5) **Manufacturer:** Hans Turck GmbH & Co KG

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

(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-10005M X.


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

EN 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 and to UK SI 2016/1107. 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

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Mülheim an der Ruhr, Date 2022-24-10

(i.A. W. Dick)
Certification Representative

Translation:

(13) **Appendix**

(14) **Statement of Conformity TURCK Ex-10005M X**

(15) Product description

The above named RFID Read-write heads are allowed to be used in zone 2 resp. zone 22 depending on the marking. These minds are able to read and write the data. Connectors are used for connection.

Ambient temperature range: -25°C ... + 70°C

Electrical Data

Nominal voltage: 10...30V d.c.

Nominal current: ≤ 80 mA

Transmit frequency 13,56 MHz

Max. radiation power 25 mW

(16) Report Number:

10005M

Zone2+22_1_D_NGW_Turck Ex-10005MX

Zone2+22_A1_D_NGW_~_Turck Ex-10005MX

PB10005M

(17) Special conditions for safe use:

- The device must be supplied from power supply units with secure separation according to IEC 60364 which ensure that the rated voltage of the equipment is not exceeded by more than 40% by transient disturbances.
- 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: DO NOT SEPARATE WHEN ENERGIZED.
- Secure the connectors against accidental disconnection, using the SC-M12 / 3GD safety clip.
- Protect the device against any mechanical damage.
- The device shall be protected against ultraviolet radiation.

(18) Essential health and safety requirements:

- no additional ones