

Translation:

## ATEX – Type Examination Certificate

Directive 2014 / 34 / EU

Equipment or Protective systems intended for use  
in potentially explosive atmosphere

**Number:** TURCK Ex-10002M X **Issue no.:** 1

**Equipment:** Sensoren Typenreihe uprox® und uprox®+:  
DBi/Bi..U-...../3D, Ni..U-...../3D  
DBi/Bi..U-...../3GD, Ni..U-...../3GD

**Manufacturer:** Hans Turck GmbH & Co KG  
**Address:** Witzlebenstr. 7 45472 Mülheim an der Ruhr

This equipment and any acceptable variation thereto is specified in the schedule to this certificate.

Hans Turck GmbH & Co. KG certifies that this product has been found to comply with the Essential Health and Safety Requirements of the Directive 2014 / 34 / EU by compliance with:

EN 60079-0:2012/A11:2013 EN 60079-15:2010 EN 60079-31:2014

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

Marking:



II 3 G Ex nA IIC T4 Gc  
II 3 D Ex tc IIIC T110°C Dc

Hans Turck GmbH & Co. KG



Hans Turck GmbH & Co. KG  
Witzlebenstr. 7 | 45472 Mülheim an der Ruhr  
T +49 208 4952-0 | more@turck.com

Mülheim an der Ruhr, date 4/20/2016

(i.A. W. Dick)  
Representative

Translation:

**Schedule to****Type Examination Certificate No. TURCK Ex-10002M X****Issue no.: 1**Description of device:

The use of inductive sensors is allowed in zone 2 resp. zone 22 depending on the marking. The sensors are suitable for contactless and wear-free detection of metallic objects and conversion into a digital output signal.

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

## Electrical data:

Operating voltage / voltage range: 10...30V DC  
10...55V DC  
10...65V DC

Output current: ≤ 150 mA or ≤ 200 mA

Internal test report no.:

Zone2+22\_1\_D\_PB\_~\_Turck Ex-10002M X  
Normengenerationswechsel\_Turck Ex-10002M X  
Zone2+22\_A1\_D\_NGW\_~\_Turck Ex-10002MX

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.
- The sensor with Q80 or CP40 housing 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: DO NOT SEPARATE WHEN ENERGIZED.
- The device connectors have to be secured against accidentally disconnecting; use the included safety clip SC-M12 / 3GD.
- The IP protection degree of the connectors is given only in conjunction with matching O-rings.
- Do not open the terminal compartment of the sensor under voltage or make sure that no explosive atmosphere is present.
- Use only EX-approved cable gland (II 3 G; II 3 D).
- Protect the device against any mechanical damage.
- The device shall be protected against ultraviolet radiation.

Essential health and safety requirements:

- no additional ones