

Translation:

## ATEX – Type Examination Certificate

Directive 2014 / 34 / EU

Equipment or Protective systems intended for use  
in potentially explosive atmosphere

**Number:** TURCK Ex-03020H X **Issue no.:** 1

**Equipment:** Proximity switch types:  
Ni4-DSU..-2.../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 T5 Gc  
II 3 D Ex tc IIIC T100°C Dc

Hans Turck GmbH & Co. KG



Hans Turck GmbH & Co. KG  
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Mülheim an der Ruhr, date 4/20/2016

(i.A. W. Dick)  
Zulassungsbeauftragter

*Translation:*

**Schedule to**

**Type Examination Certificate No. TURCK Ex-03020H 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: -20°C ... +70°C

Electrical data:

Operating voltage / voltage range:	10...65V DC
Output current:	< 200mA

Internal test report no.:

Zone2+22\_3\_D\_NGW\_~\_Turck Ex-03020HX

Special conditions for safe use:

- The device must be supplied from power supply units with secure separation according to IEC 60 364 which ensure that the rated voltage of the equipment is not exceeded by more than 40% by transient disturbances.
- The sensor must be protected against static charge, e.g. by conductive fastening with connection to protective ground potential.
- 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 (e.g. use the protective housing SG-DSU35TC).
- The device shall be protected against ultraviolet radiation.

Essential health and safety requirements:

- no additional ones

Wir/ We **HANS TURCK GMBH & CO KG**  
**WITZLEBENSTR. 7, D – 45472 MÜLHEIM A.D. RUHR**

erklären in alleiniger Verantwortung, dass die Produkte  
declare under our sole responsibility that the products

Sensoren:  
Sensors:

Ni4-DSU..-2.../3GD

auf die sich die Erklärung bezieht, den Anforderungen der folgenden EU-Richtlinien durch Einhaltung der  
folgenden Normen genügen:  
to which this declaration relates are in conformity with the requirements of the following EU-directives by compliance with the following standards:

EMV – Richtlinie / EMC Directive EN 60947-5-2:2007	2014 / 30 / EU	26. Feb. 2014
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Richtlinie / Directive ATEX EN 60079-0:2012/A11:2013	EN 60079-15:2010	2014 / 34 / EU EN 60079-31:2014	26. Feb. 2014
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Weitere Normen, Bemerkungen  
additional standards, remarks

Zusätzliche Informationen:  
Supplementary information:

Angewandtes ATEX-Konformitätsbewertungsverfahren:  
ATEX - conformity assessment procedure applied: Modul A / module A

Baumusterprüfbescheinigung:  
examination certificate: TURCK Ex-03020H X

ausgestellt vom Hersteller:  
issued by manufacturer: Hans Turck GmbH & Co. KG

Mülheim, den 20.04.2016



i.V. Dr. M. Linde, Leiter Zulassungen / Manager Approvals

Ort und Datum der Ausstellung /  
Place and date of issue

Name, Funktion und Unterschrift des Befugten /  
Name, function and signature of authorized person