

Translation

(1) **EC-Type Examination Certificate**



(2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 94/9/EC**

(3) **Certificate Number** TÜV 07 ATEX 553588

(4) for the equipment: Digital Indicator Type FD-4-.../Ex

(5) of the manufacturer: Hans Turck GmbH & Co KG

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

Order number: 8000553588

Date of issue: 2007-04-11

(7) This equipment or protective system and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The TÜV NORD CERT GmbH, notified body No. 0044 in accordance with Article 9 of the Council Directive of the EC of March 23, 1994 (94/9/EC), certifies that this equipment or protective system 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 results are recorded in the confidential report No. 07203553588.

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

EN 50 014:1997 +A1+A2 EN 50 020:2002 EN 50 281-1-1:1998+A1

DIN EN 60 079-27:2006

(10) 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.

(11) This EC-type examination certificate relates only to the design, examination and tests of the specified equipment in accordance to the Directive 94/9/EC. 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 or protective system must include the following:

II 2(1) G EEx ia IIC T6 bzw. T5 bzw. II 2 D IP 65 T70°C

TÜV NORD CERT GmbH, Langemarkstraße 20, 45141 Essen, accredited by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

The head of the certification body

Schwedt

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This certificate may only be reproduced without any change, schedule included.
Excerpts or changes shall be allowed by the TÜV NORD CERT GmbH

(13) **SCHEDULE**

(14) **EC-Type Examination Certificate No. TÜV 07 ATEX 553588**

(15) Description of equipment

The digital indicator type FD-4-.../Ex is used as an indicator for process data of intrinsically fieldbus networks Profibus PA resp. FF.H1.

For use in hazardous areas, which require apparatus of category 2. For use in areas with dust explosion hazard the permissible ambient temperature is max. 65 °C.

For use in areas with gas explosion hazard the permissible ambient temperature against of the temperature class have to be taken form the following tables:

Temperature class	T _a
T6	up to 45°C
T5	up to 60°C

Electrical Data

Signal- and supply circuit (terminal 1,3 and 2,4)	For use in areas with gas explosion hazard in type of protection „Intrinsic Safety“ EEx ia IIC. FISCO-Field device for connection to a device in accordance of the FISCO-Model or For connection to a certified intrinsically safe circuit. Maximum values: U _i = 30V I _i = 660mA effective internal inductances L _i = 0 µH effective internal capacitances C _i = 0 nF For use in areas with dust explosion hazard the max. input power must be limited. P _i = 1,6W
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(16) Test documents are listed in the test report No. 07203553588.

Schedule EC-Type Examination Certificate No. TÜV 07 ATEX 553588

(17) Special conditions for safe use

none

(18) Essential Health and Safety Requirements

no additional ones

Konformitätserklärung Nr. 3225 M Declaration of Conformity



Diese Konformitätserklärung entspricht der Europäischen Norm EN 45014 "Allgemeine Kriterien für Konformitätserklärungen von Anbietern". Die Grundlage der Kriterien sind internationale Dokumente, insbesondere ISO/IEC Leitfaden 22, 1982: "Information on manufacturer's declaration of conformity with standards or other technical specifications".

This "Declaration of Conformity" complies with the European Standard EN 45014 "General criteria for a supplier's declaration of conformity". These criteria are based on the relevant international documentation, particularly the ISO/IEC Guide 22, 1982: "Information on the manufacturer's declaration of conformity with standards or other technical specifications".

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

Digitales Anzeigegerät Typ FD-4-.../Ex

auf die sich die Erklärung bezieht, mit den folgenden Normen übereinstimmen
to which this declaration relates are in conformity with the following standards

EN 61000-6-3
EN 61000-6-2

und wo anwendbar
and where applicable

DIN VDE 0106-100 / 1983
EN 50014:1997 +A1+A2 EN 50020:2002 EN 50281-1-1:1998 +A1
DIN EN 60079-27:2006

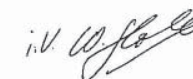
Gemäß den Bestimmungen der Richtlinie (falls zutreffend)
Following the provisions of Directive (if applicable)

EMV - Richtlinie	/ EMC Directive	89 / 336 / EWG	3. Mai 1989
Richtlinie ATEX 100a	/ Directive ATEX 100a	94 / 9 / EG	23. März 1994

Weitere Normen
additional standards

Aussteller der EG-Baumusterbescheinigung:
TÜV Nord Cert GmbH
Am TÜV 1, 30519 Hannover
Kenn-Nr. 0044, Registriernummer: TÜV 07 ATEX 553588

Mülheim, den 25.04.07



(i.V. W. Stoll)

Ort und Datum der Ausstellung /
Place and date of issue

Name und Unterschrift des Befugten /
Name and signature of authorized person