

Translation

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

TÜV NORD

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



(3) **Certificate Number** TÜV 10 ATEX 555760
(4) for the component: Transmitter XR-___/___
(5) of the manufacturer: E.L.B.-Füllstandsgeräte Bundschuh GmbH + Co.
(6) Address: An der Hartbrücke 6
64625 Bensheim
Germany

Order number: 8000555760

Date of issue: 2010-10-15

- (7) This component of an 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. 10 203 555760.
(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

60079-0:2006

60079-11:2007

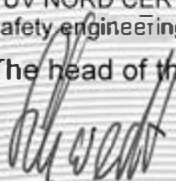
60079-26:2007

- (10) If the sign "U" is placed after the certificate number, it indicates that this certificate must not be confounded with an EC-Type Examination Certificate which is destined for an equipment or protective system. This partial certificate must only be used as a basis for an EC-Type Examination 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 component must include the following:

(Ex) II (1) G [Ex ia] IIC

TÜV NORD CERT GmbH, Langemarckstraße 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

Hanover office, Am TÜV 1, 30519 Hanover, Fon +49 (0)511 986 1455, Fax +49 (0)511 986 1590

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

(13) **SCHEDULE**

(14) **EC-Type Examination Certificate No. TÜV 10 ATEX 555760**

(15) **Description of component**

The device is a transmitter with different types of power supply. The transmitter is an associated apparatus.

Technical data

Maximum permissible range of ambient temperature: - 20 °C to +60 °C

For devices with d.c. power supply (Typ XR-__/_/___0_ with a nominal voltage of 24 V d.c.)

Supply.....U_m = 26.4 V d.c.
(Contacts A1, A2 resp. B1, B2)

Accumulative fault signalU_m = 26.4 V d.c.
(Contacts B4, B5)

For devices connected to mains supply (Typ XR-__/_/___6_ with a nominal voltage of 230 V a.c.)

Supply.....U_m = 253 V a.c.
(Contacts A1, A2)

For devices with universal power supply (Typ XR-__/_/___ with a nominal voltage of 24 to 230 V a.c. or d.c.)

Supply.....U_m = 253 V a.c. or d.c.
(Contacts A1, A2)

For all devices

Sensor connection.....In type of protection Ex ia IIC, only to be connected to
(Contacts E0, E1, E2 resp. E3, E4, E5) certified intrinsically safe circuits.

Maximum values:

U_o = 14.8 V
I_o = 5.6 mA
P_o = 82 mW

Schedule EC-Type Examination Certificate No. TÜV 10 ATEX 555760

Maximum permissible values for external inductance (L_o) and capacitance (C_o). The values for the external reactance are only valid if the simultaneous appearance of inductance and capacitance must not be considered:

$$L_o = 100 \text{ mH}$$
$$C_o = 0.61 \text{ } \mu\text{F}$$

Switching output (Relay).....Maximum values:
(Contacts 11, 12, 14 resp. 21, 22, 24)

Alternating voltage		Direct voltage	
U	= 250 V	U	= 150 V
I	= 5 A	I	= 8 A
P	= 100 VA	P	= 50 W

(16) Test documents are listed in the test report No. 10 203 555760.

(17) Special conditions for safe use

none

(18) Essential Health and Safety Requirements

no additional ones

Translation

1. SUPPLEMENT

to Certificate No. TÜV 10 ATEX 555760

Equipment: Transmitter XR-___/___

Manufacturer: E.L.B.-Füllstandsgeräte Bundschuh GmbH + Co.

Address: An der Hartbrücke 6
64625 Bensheim
Germany

Order number: 8000393903

Date of issue: 2011-03-29

Amendments:

The standards used for assessment had been updated and the marking had been adjusted accordingly.

In the future the marking is as follows:

(Ex) II (1) G [Ex ia Ga] IIC

The technical data and all other details apply unchanged for this 1st supplement.

The equipment incl. of this supplement meets the requirements of these standards:

EN 60079-0:2009

EN 60079-11:2007

EN 60079-26:2007

(16) The test documents are listed in the test report No. 11 203 080354.

(17) Special conditions for safe use

none

1. Supplement to Certificate No. TÜV 10 ATEX 555760

(18) Essential Health and Safety Requirements

no additional ones

TÜV NORD CERT GmbH, Langemarckstraße 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

A handwritten signature in black ink, appearing to read "Schwedt".

Schwedt

Hanover office, Am TÜV 1, 30519 Hanover, Tel.: +49 (0) 511 986-1455, Fax: +49 (0) 511 986-1590

Translation

2. SUPPLEMENT

to Certificate No. TÜV 10 ATEX 555760

Equipment: Transmitter XR-_____

Manufacturer: E.L.B. Füllstandsgeräte Bundschuh GmbH & Co. KG

Address: An der Hartbrücke 6
64625 Bensheim
Germany

Order number: 8000408085

Date of issue: 2012-08-31

Amendments:

In the future the Transmitter XR-_____ may also be manufactured and operated according to the test documents listed in the test report.

The equipment was evaluated according to the newest standards.

All other data apply unchanged for this supplement.

The device will then be labeled as follows:

 II (1) G [Ex ia Ga] IIC

The equipment incl. of this supplement meets the requirements of these standards:

EN 60079-0:2009 **EN 60079-11:2012** **EN 60079-26:2007**

(16) Test documents are listed in the test report No. 12 203 101883.

(17) Special conditions for safe use

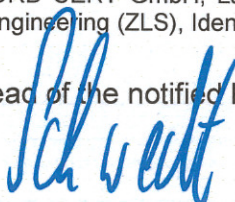
none

(18) Essential Health and Safety Requirements

no additional ones

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The head of the notified body



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