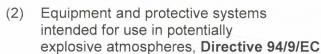
Translation

EC-Type-Examination Certificate







(3) Certificate Number

TÜV 13 ATEX 132121

(4) for the equipment:

Overfill Prevention Controller type EUS-2

(5) of the manufacturer:

H. Timm Elektronik GmbH

(6) Address:

Humboldtstr. 29 21509 Glinde Germany

Order number:

8000427833

Date of issue:

2014-02-26

- (7) The design of this equipment or protective system and any acceptable variation thereto are specified in the schedule to this EC-Type-Examination 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. 13 203 132121.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012 EN 60079-5:2007 EN 60079-7:2007 EN 60079-11:2012

- (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:

(Ex)

II 2 [1] G Ex e ib q [ia Ga] IIB T4 Gb

TÜV NORD CERT GmbH, Langemarckstraße 20, 45141 Essen, notified 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 notified body

Meyer

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



(13) SCHEDULE

(14) EC-Type-Examination Certificate No. TÜV 13 ATEX 132121

(15) Description of equipment

The EUS-2 Controller builds up the loading terminal's part of the overfill prevention system according to EN13922. It's used during filling process of tank trucks with otto engine fuel resp. diesel fuel at fuel depots or refinery. The controller connects using a multi-pole cable with the tank truck and permanently monitors the level sensors of tank compartment as well as the status of simultaneously established grounding connection. The release of filling process will be established if all preconditions have been reached. It will be optically indicated of the device's front panel and by electric outputs signal used for automated control of the filling process.

Specification:

Power supply

Type of protection:

Exe

Supply voltage:

230V±10% 50-60Hz ca. 25VA

Control outputs:

2 potential-free closing contacts and 2 potential-free change over contacts

Type of protection:

Exe

Switching power:

250 VAC, 3A, 100VA

Tank trucks circuits:

Type of protection:

Ex ia

Maximum ratings:

U_o≤12.7V, I_o≤129mA, P_o≤360mW

Characteristic curve: line

C_o negligible small L_o negligible small

Maximum cable length:

50m

Signal outputs:

2 NAMUR-transistor outputs

Type of protection:

Ex ib

Maximum ratings:

U_i≤15V, I_i≤20mA, P_i≤300mW

C_i negligible small L_i negligible small

Data interface:

Type of protection:

Ex ib

Maximum ratings:

U_i≤15V, I_i≤175mA, P_i≤2.4W

Only allowed to connect to TExi-Bus

Size (w x l x h):

215mm x 475mm x 120mm

Weight:

ca. 10kg

Ingress protection:

IP66

Allowed ambient temperature range: -40°C to +60°C



Schedule EC-Type Examination Certificate No. TÜV 13 ATEX 132121

- (16) Test documents are listed in the test report No. 13 203 132121
- (17) Special conditions for safe use none
- (18) Essential Health and Safety Requirements no additional ones