CERTIFICATE

EC-Type Examination

(1)

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

(3) EC-Type Examination Certificate Number: **KEMA 04ATEX1317 X** Issue Number: **3**

(4) Equipment: **Fieldbus Surge Protector Type F.-LBF-I1.32**

(5) Manufacturer: **Pepperl+Fuchs GmbH**

(6) Address: **Lilienthalstrasse 200, 68307 Mannheim, Germany.**

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

(8) DEKRA Certification B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment 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 confidential test report number 207572500.

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

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

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment 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 according 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 shall include the following:

II 2(1)G Ex ia [ia Ga] IIC T4,T5,T6 Gb or
II 2(1)G Ex ia IIC T4,T5,T6

This certificate is issued on 10 May 2013 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

DEKRA Certification B.V.

C.G. van Es
Certification Manager

PRODUCTS
RvA C 001

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(13) # SCHEDULE

(14) **to EC-Type Examination Certificate KEMA 04ATEX1317 X** Issue No. **3**

(15) **Description**

The Fieldbus Surge Protector Type F.-LBF-I1.32 serves to limit occasional surge voltages in intrinsically safe circuits.

Ambient temperature range: -50 °C to +80 °C for temperature class T5,
-50 °C to +70 °C for temperature class T6.

Electrical data

Input circuit (Red + and Black -):
in type of protection intrinsic safety Ex ia IIC, for connection to a certified intrinsically safe circuit, with the following maximum values:
U_i = 30 V; I_i = 550 mA; P_i = 3 W; C_i = 0 nF; L_i = 0 µH;

or in type of protection intrinsic safety Ex ia IIC, for connection to a certified intrinsically safe circuit or a circuit in accordance with FISCO, with the following maximum values:
U_i = 17,5 V; I_i = 380 mA; P_i = 5,32 W; C_i = 0 nF; L_i = 0 µH.

Installation instructions

The instructions provided with the equipment shall be followed in detail to assure safe operation.

(16) **Test Report**

No. 207572500.

(17) **Special conditions for safe use**

The dielectric strength of at least 500 V of the intrinsically safe circuits of the Fieldbus Surge Protector Type F.-LBF-I1.32 is limited only by the overvoltage protection.

For ambient temperature range, see (15).

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 207572500.