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TYPE CERTIFICATE

(2) Equipment Intended for Use in
Potentially Explosive Atmospheres - **Directive 2014/34/EU (ATEX)**



(3) Certificate Number:

PF20CERT5579X

(4) Equipment: Intrinsically Safe Ear Protection Headset
Models: Ex-TRA 30 LH NH

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

(6) Address: Lilienthalstraße 200
68307 Mannheim
Germany

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

(8) The manufacturer listed under item 5, herewith declares in sole responsibility (as per the requirements of Annex VIII of Directive 2014/34/EU) that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II of Directive 2014/34/EU.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with the following. All other EHSR's that are not listed or covered by the standards below have been checked individually:

IEC EN 60079-0:2018
EN 60079-11:2012

(10) This CERTIFICATE relates only to the design and construction of the specified equipment. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(11) The marking of the equipment shall include the following :

 **II 3G**
Ex ic IIC T4 Gc

Ta = -20 °C ≤ Ta ≤ +60 °C

Assamstadt, 2021-03-25


i.V. Roof Wessels

Executive Vice President Business Unit
MCC+HMI



i.V. Kevin Spence

Head of Approvals / EU-Conformity

(12)

SCHEDULE

(13)

Certificate Number PF20CERT5579X

(14) Description of Equipment

The Ex-TRA 30 LH NH is a lightweight headset that is fitted with a noise cancellation microphone and single headphone that enables a reliable two-way communication in loud environments.

The headset is intended to be used with the Smart-Ex 02 * smartphone via an external wire connection terminated with integrated 3.5 mm male jack plug.

Electrical data

No battery is fitted within this device, the device is passive.

Entity parameters (jack plug): U_i : 4.2 V, I_i : 0.35 A, P_i : 0.5 W, C_i : 1 μ F and L_i : 290 μ H

Operating Temperature Range

$-20\text{ }^{\circ}\text{C} \leq T_a \leq 60\text{ }^{\circ}\text{C}$

Test report

The examination and test results are recorded in the confidential report: 16-1509PF-00

(15) Specific condition of use

- 1) The equipment shall only be used with the ecom Smart-Ex 02* phone
- 2) Do not open the device inside the hazardous area
- 3) The device shall not be repaired or dismantled
- 4) It must be ensured that the device is not taken into zones 0 and 1 or 20, 21 and 22.
- 5) The device shall not be repaired or dismantled

(16) Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.