

Certificate of Conformity

(1)

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – Directive 2014/34/EU

(3) Certificate Number:

EPS 19 ATEX 1 016 X

Revision 0

(4) Equipment: Intrinsically safe Feature Phone type Ex-Handy 10 *** DZ2

(5) Manufacturer: Pepperl+Fuchs GmbH

(6) Address: Lilienthalstrasse 200
68307 Mannheim
Germany

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

(8) Bureau Veritas Consumer Products Services Germany GmbH certifies based on a voluntary assessment 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 of the Directive 2014/34/EU. The examination and test results are recorded in the confidential documentation under the reference number 18TH0341.

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


EN 60079-0:2012+A11:2013

EN 60079-11:2012

(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 Certificate of Conformity relates only to the design and the construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture and supply of this equipment. Those requirements are not covered by this certificate.

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

 II 3G Ex ic IIC T4 Gc IP64

 II 3D Ex ic IIIC T120°C Dc



Certification department of explosion protection

Nuremberg, 2019-03-22

H. Schaffer



(13)

Annexe

(14) **Certificate of Conformity EPS 19 ATEX 1 016 X**

Revision 0

(15) Description of equipment:

The intrinsically safe Feature Phone of type Ex-Handy 10 *** DZ2 is communication device intended for use in hazardous areas of zones 2 and 22. The device provide additional features such as camera, GPS, NFC, acceleration sensor, WiFi, Bluetooth, vibration motor, headphone connector, magnetic sensor and flash-light. Different integrated antennas can be used for the usual cellular systems. The device is equipped with a non-exchangeable integrated Li-Ion battery unit. Charging and wired data transfer is done via the magnetic USB-connector in ordinary locations only.

Electrical data:

Supply: Two rechargeable built-in Li-Ion cells in parallel
Battery pack Ex-BP H10 nominal data: 3.7 V, 4400 mAh, 16.28 Wh, or
Battery pack Ex-BP H10C nominal data: 3.7 V, 3920 mAh, 14.5 Wh

Charging and
Wired data transfer:

Um = 6 V, outside of classified hazardous locations only

(16) Reference number: 18TH0341

(17) Schedule of Limitations:

Ambient temperature range: $-20\text{ °C} \leq T_a \leq +60\text{ °C}$

The battery pack is only allowed to be charged outside of the classified hazardous location.

The device has to be protected against strong impacts.

The SIM-Card-Cover for card access must be screwed tight before entering the hazardous location.

The device shall not repaired or dismantled (except the SIM-Card-Cover in ordinary locations).

It is allowed to use the 3.5 mm Audio Plug in the hazardous locations for connections to certified accessory meeting the following entity parameters:

U_i = 4.2 V
I_i = 50 mA
P_i = 100 mW
C_o = 5.6 μF
L_o = 680 μH

(18) Essential health and safety requirements:

Met by standards.

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Nuremberg, 2019-03-22

