

Certificate of Conformity

- (1)
- (2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres –
Directive 2014/34/EU

(3) Certificate Number:

EPS 21 ATEX 1 093 X

Revision 0

(4) Equipment: Intrinsically safe Tablet-Computer Tab-Ex 03 DZ2 ****

(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 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 20TH0490.

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

EN IEC 60079-0:2018

EN 60079-11:2012

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subjected to special conditions for safe use specified in the annex 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.

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



II 3G Ex ic IIC T5 Gc IP64

II 3D Ex ic IIIC T85°C Dc



Certification department of explosion protection

Hamburg, 2021-12-16



(13) **Annex**

(14) **Certificate of Conformity EPS 21 ATEX 1 093 X**

Revision 0

(15) Description of Equipment:

The Tab-Ex 03 DZ2 WiFi and Tab-Ex 03 DZ2 WWAN are tablet computers for industrial applications in hazardous areas of Zone 2/22 with gaseous and dust atmospheres.

Electrical data: 3.85 V; 4900 mAh

Ambient temperature range: -20 °C ≤ Ta ≤ +55 °C

(16) Reference number: 20TH0490

(17) Special conditions for safe use:

The device enclosure is tested against the low impact energy for Group II and III.
The device shall not be used in close proximity to processes producing high electrostatic charges.

Conditions of safe operation:

The SIM/SD-card tray and Ex-protective case must be correctly fitted before entering the hazardous location. Wired USB connections and SIM/SD-Card replacement is only allowed in ordinary (non-hazardous) locations. The device may only be charged in a temperature range of -5 °C to +45 °C. It must be ensured that the power plug used fulfils SELV or PELV requirements. Charging and wired data-transfer via the USB-C interface or USB-POGO port is limited to a maximum Um of 6V. The device shall not be repaired or dismantled.

Intrinsically safe audio accessory certified for use in hazardous locations must match with the entity parameter of the earphone jack.

Entity parameter Earphone jack:

U _o = 3.0 V	I _o = 300 mA	P _o = 40 mW	C _o = 3.9 µF	L _o = 1100 µH
U _i = 0 V	I _i = 0 mA	P _i = 0 mW	C _i = 2.5 µF	L _i = 0 µH

(18) Essential health and safety requirements:

Met by compliance with standards.

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Hamburg, 2021-12-16



U. Feike