



**BUREAU
VERITAS**



(1) **Certificate of Conformity**

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

(3) **Certificate Number:**

EPS 18 ATEX 1 055 X

Revision 1

(4) **Equipment:** Tablet-Computer Tab-Ex 02 Z2 WiFi and Tab-Ex 02 Z2 WWAN
Tablet-Computer Tab-Ex 02 DZ2 WiFi and Tab-Ex 02 DZ2 WWAN

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

(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 18TH0173.

(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 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 T5 Gc

II 3D Ex ic IIIB T100°C Dc



Certification department of explosion protection

Hamburg, 2019-12-13

H. Schaffer



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Certificates without signature and seal are void. This certificate is allowed to be distributed only if not modified. Extracts or modifications must be authorized by Bureau Veritas Consumer Products Services Germany GmbH. EPS 18 ATEX 1 055 X, Revision 1.



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(13)

Annexe

(14) **Certificate of Conformity EPS 18 ATEX 1 055 X**

Revision 1

(15) Description of equipment:

The Tab-Ex 02 Z2 * and Tab-Ex 02 DZ2 * are tablet computers for industrial applications in hazardous areas of Zone 2/22 with gaseous and dust atmospheres.

Electrical data: 3.8 V / 4450 mAh

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

(16) Reference number: 18TH0173

(17) Schedule of Limitations:

Before entering the hazardous location the device shall be inspected for signs of damage on the enclosure. If damages are visible do not use the device in hazardous locations until it is repaired by an authorized service center.

Before entering the hazardous location the conductive coating on the „Ex-protective cover“ shall be inspected. If the conductive coating is removed or damaged for more than 2000 mm² (~50 mm diameter) the „Ex-protective cover“ must be replaced with a new „Ex-protective cover“.

Charging and wired data connection (USB; POGO Pins) is only allowed in safe (non-hazardous) locations. The power supply unit and USB connected device used must match with the Tab-Ex 02* U_m of 6V.

It is only allowed to exchange the battery and SIM/SD-card in safe (non-hazardous) locations. The device may only be used with Samsung battery EB-BT365BB*.

The device shall be protected against strong impacts, against permanent UV light and high electrostatic charge generating processes.

The In-ear-headset of type Samsung EHS64AVFWE can be used with the Tab-Ex 02* in the hazardous location.

Other intrinsically safe wired audio accessory must match with the entity parameter of the Tab-Ex 02* audio jack:

Audio Jack output parameter		Audio Jack input parameter	
U _o	3.2 V	U _i	0 V
I _o	150 mA	I _i	0 mA
P _o	100 mW	P _i	0 mW
C _i	1.4 µF	C _o	5 µF
L _i	100 µH	L _o	3.9 mH



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(18) Essential health and safety requirements:

Met by standards.

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