



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX EPS 21.0033X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2021-12-16
Applicant: **Pepperl+Fuchs SE**
Lilienthalstrasse 200
68307 Mannheim
Germany
Equipment: **Intrinsically safe Tablet-Computer Tab-Ex 03 DZ2 ******
Optional accessory: S-Pen
Type of Protection: **Intrinsic safety "i"**
Marking: Ex ic IIC T5 Gc IP64
Ex ic IIIC T85°C Dc

Approved for issue on behalf of the IECEx
Certification Body:

Ulrich Feike

Position:

Certification Manager

Signature:
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany





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Manufacturer: **Pepperl+Fuchs SE**
Lilienthalstrasse 200
68307 Mannheim
Germany

Additional manufacturing locations: **ECOM Instruments GmbH**
Industriestrasse 2
97959 Assamstadt
Germany

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[DE/EPS/ExTR21.0032/00](#)

Quality Assessment Report:

[DE/PTB/QAR06.0008/16](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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: $-20\text{ °C} \leq T_a \leq +55\text{ °C}$

SPECIFIC CONDITIONS OF USE: YES as shown below:

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 $+45\text{ °C}$.

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 U_m 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:

$U_o = 3.0\text{ V}$	$I_o = 300\text{ mA}$	$P_o = 40\text{ mW}$	$C_o = 3.9\text{ }\mu\text{F}$	$L_o = 1100\text{ }\mu\text{H}$
$U_i = 0\text{ V}$	$I_i = 0\text{ mA}$	$P_i = 0\text{ mW}$	$C_i = 2.5\text{ }\mu\text{F}$	$L_i = 0\text{ }\mu\text{H}$