



# 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](http://www.iecex.com)

Certificate No.: **IECEX EPS 23.0079X** Page 1 of 3 [Certificate history:](#)  
Status: **Current** Issue No: 0  
Date of Issue: 2024-02-26  
Applicant: **Pepperl+Fuchs SE**  
Lilienthalstrasse 200  
68307 Mannheim  
Germany  
Equipment: **Tablet computer, type Tab-Ex 04 Pro DZ2 (WiFi/WWAN)**  
Optional accessory:  
Type of Protection: **intrinsic safety "ic"**  
Marking: Ex ic IIC T5 Gc  
Ex ic IIIC T135°C Dc

Approved for issue on behalf of the IECEx  
Certification Body:

Position:

Signature:  
(for printed version)

Date:  
(for printed version)



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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](http://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

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 60079-11:2023](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
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/ExTR23.0082/00](#)

Quality Assessment Report:

[DE/PTB/QAR06.0008/19](#)



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Tab-Ex 04 Pro DZ2 is an intrinsically safe tablet computer.

### Intrinsically safe parameters earphone jack:

$U_o = 1.8 \text{ V} / I_o = 210 \text{ mA} / P_o = 70 \text{ mW} / C_o = 18 \text{ }\mu\text{F} / L_o = 2500 \text{ }\mu\text{H}$

$U_i = 0 \text{ V} / I_i = 0 \text{ mA} / P_i = 0 \text{ mW} / C_i = 0.6 \text{ nF} / L_i = 0.65 \text{ }\mu\text{H}$

### Ambient temperature range:

$-20 \text{ }^\circ\text{C} \leq T_a \leq +55 \text{ }^\circ\text{C}$

### Electrical supply:

Powered by battery pack type EB-BT545ABY. (refer to instruction manual)

### Certified accessories:

1. S Pen
2. Ex-protective case
3. Belt Clip BC T01
4. Chest Harness CH TPRO X2
5. Leather Case LC TPRO X2
6. Stylus Tether (for S Pen)
7. Carrying strap
8. Headset type EHS64AVFWE

### SPECIFIC CONDITIONS OF USE: YES as shown below:

The device shall be protected against high energy impacts.

The device shall not be used in close proximity to processes producing high electrostatic charges.

The Ex-protective case must be correctly fitted before entering the hazardous location.

Battery pack and SIM/SD-Card replacement is only allowed in ordinary (non-hazardous) locations.

Wired USB connections via the USB-C port or the Keyboard-Dock-Port (POGO pins) are only allowed in ordinary (non-hazardous) locations.

The device may only be charged in a temperature range of  $-5 \text{ }^\circ\text{C}$  to  $+45 \text{ }^\circ\text{C}$ .

It must be ensured that the power plug or supply used for charging and wired data connections is a non-shock hazard extra low voltage equipment such as SELV, PELV or ES1 as per IEC 62368-1 (former IEC 60950-1) or equivalent.

Charging and wired data-transfer via the USB-C interface is limited to a maximum  $U_m$  of 13.4 V (nominal) and a current of 3.2 A (nominal).

Intrinsically safe equipment for use in the hazardous location connected to the audio jack must fulfill one of the following:

- The combination of the intrinsically safe equipment and the Tab-Ex 04 Pro DZ2 must be assessed and the certificate of the equipment must allow the connection to the Tab-Ex 04 Pro DZ2.
- It is allowed to use the Samsung headset type EHS64AVFWE with the Tab-Ex 04 Pro DZ2 in hazardous locations.
- The equipment entity parameters must match with the Tab-Ex 04 Pro DZ2 entity parameters as indicated above.

Repairs are to be conducted by the manufacturer or an authorized service centre.