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 24.0090X**

Certificate history:

Status: **Current**

Issue No: 0

Date of Issue: 2025-02-06

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

Equipment: **Intrinsically Safe Tablet Computer, Types: Tab-Ex 05 DZ2 WiFi, Tab-Ex 05 DZ2 WWAN**

Optional accessory: refer to section equipment

Type of Protection: **intrinsic safety "i"**

Marking: Ex ic IIC T5 Gc

Ex ic IIIC T85°C Dc

Ambient temperature range: -20 °C ≤ T_{amb} ≤ +55 °C

Approved for issue on behalf of the IECEx Certification Body: **Ulrich Feike**

Position: **Head of Certification**

Signature:
(for printed version)

Date:
(for printed version)

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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Date of issue: 2025-02-06 Issue No: 0

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

Manufacturing locations: **ECOM Instruments GmbH**
Industriestrasse 2
97959 Assamstadt
Germany

Pepperl+Fuchs Manufacturing, Inc.,
502 Cane Island Parkway
Katy TX 77494
United States of America

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/ExTR24.0093/00

Quality Assessment Reports:

HR/FIDI/QAR24.0001/00 US/UL/QAR07.0005/19

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The Tab-Ex 05 DZ2 *** is an intrinsically safe tablet computer based on the Samsung Galaxy Tab Active5.

Two types are certified:
1. Tab-Ex 05 DZ2 WiFi
2. Tab-Ex 05 DZ2 WWAN

Intrinsically safe parameters Audio Port:
U_o = 3 V / I_o = 250 mA / P_o = 80 mW / C_o = 980 µF* / L_o = 1250 µH*
U_i = 3 V / I_i = 0 mA / P_i = 0 mW / C_i = 2 µF / L_i = 15 µH
*For entity concept conditions (combinations of C_o and L_o) refer to instruction manual.

Ambient temperature range: -20 °C ≤ T_{amb} ≤ +55 °C

Electrical supply:
Powered by battery pack model EB-BX306GBY (refer to instruction manual).

Optional accessories:
S Pen Type ST T05 X2
Leather Case Type LC T05 X2
Chest Harness Type CH T05 X2
Hand Strap Type HA T05 X2R
Belt Clip Type BC T01
Carrying Strap Type CS T05
Tether for Stylus Pen Type ST 01

SPECIFIC CONDITIONS OF USE: YES as shown below:

Use the device in locations where the risk of mechanical hazards is low.

Do not use the device in the vicinity of processes that generate high electrostatic charges.

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

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

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

The device shall only be charged within an ambient temperature range of -5 °C to +55 °C.

The device shall only be connected to power supplies in non-hazardous areas.

The device shall only be connected to power supplies that are non-shock hazard extra low voltage types, such as SELV, PELV, ES1, or equivalent.

The device shall only be connected to supplies providing a maximum voltage U_m = 16 V and a maximum current of I_m = 3.2 A.

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