



# 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)

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Issue 0 (2025-07-08)

Status: **Current** Issue No: 1

Date of Issue: 2025-11-24

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

Equipment: **Intrinsically Safe Smartphone, Type: Smart-Ex 203 DZ2**

Optional accessory:

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

Marking: Ex ic IIC T4 Gc  
Ex ic IIIC T135°C Dc

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.
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Certificate issued by:

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





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Lilienthalstrasse 200  
68307 Mannheim  
Germany

Manufacturing  
locations: **Pepperl+Fuchs SE**  
Lilienthalstrasse 200  
68307 Mannheim  
Germany

**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/ExTR25.0032/01](#)

Quality Assessment Report:

[HR/FIDI/QAR24.0001/01](#)



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The intrinsically safe smartphone of type Smart-Ex 203 DZ2 is a communication device intended for use in explosive hazardous areas.

### Electrical supply:

Powered by a replaceable battery pack unit type Ex-BP S203.

See also section "Specific Conditions of Use" and the instruction manual.

### Optional electrical accessory:

SM-Ex S203 SR: Scanner Module

### Optional non-electrical accessories:

LH-Ex S203: leather holster

LC-Ex S203: leather case with spring clip or with belt clip

CR-Ex S203: cradle with spring clip or with belt clip

RL ID01: retractable lanyard

EXT-C2LCOIL: coil teather

Mini QD Loop: mini disconnect clip with loop

ST 02: stylus pen with tether

Panzerglass Smart-Ex 203 AR

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

Ambient temperature range without scanner module:  $-20\text{ °C} \leq T_{\text{amb}} \leq +60\text{ °C}$

Ambient temperature range with scanner module attached:  $-20\text{ °C} \leq T_{\text{amb}} \leq +50\text{ °C}$

Ambient temperature range for charging:  $+5\text{ °C} \leq T_{\text{amb}} \leq +45\text{ °C}$  (charging is only permitted outside hazardous areas)

Use the device only in locations where the risk of mechanical hazards is low in accordance with IEC 60079-0.

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

No electrical connections allowed to the following interfaces, plugs, or sockets in hazardous areas: USB-C port, charging pads.

Only connect the device to power supplies in non-hazardous areas.

Only connect the device to power supplies that are non-shock hazard extra low voltage types, such as SELV, PELV, ES1, or equivalent.

Only connect to supply units that supply a maximum  $U_m$  of 12.6 V.

Only connect to supply units that supply a maximum current ( $I_m$ ) of 4 A.

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

Replace spare parts only in non-hazardous areas.

Replace only the following spare parts supplied by the manufacturer:

USB-C Cover, Battery Cover, Battery Pack.

The relevant spare part replacement instructions are provided on the manufacturer's homepage.



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

minor changes on the electrical and mechanical design  
editorial changes