



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx EPS 16.0060X Issue No: 0 Certificate history:
Issue No. 0 (2017-01-02)

Status: Current Page 1 of 3

Date of Issue: 2017-01-02

Applicant: isafe Mobile GmbH
i_Park Tauberfranken 10
97922 Lauda-Koenigshofen
Germany

Equipment: IS320.1 Intrinsically Safe Smartphone
Optional accessory:

Type of Protection: intrinsic safety "i"

Marking: Ex ib IIC T4 Gb
Ex ib IIIC T135°C Db IP6X

Approved for issue on behalf of the IECEx
Certification Body:

Dieter Zitzmann

Position:

Manager Certification

Signature:
(for printed version)



Date:

2017-01-02

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

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





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Manufacturer: isafe Mobile GmbH
i_Park Tauberfranken 10
97922 Lauda-Koenigshofen
Germany

Additional Manufacturing location(s):

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 electrical apparatus 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0
IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"
Edition:6.0

This Certificate does not indicate compliance with electrical 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/ExTR16.0060/00](#)

Quality Assessment Report:

[DE/EPS/QAR12.0003/03](#)



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Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The intrinsically safe, rugged smartphone type IS320.1 is designed for voice and data communications in explosion hazardous areas of zone 1 and 21. It is equipped with a camera (also no camera version is available), torch, GPS, acceleration sensor, vibration motor, 3G, Bluetooth, WLAN and NFC technology. The software is based on the ANDROID operating system.

Power supply The smartphone may only be used with the intrinsically safe battery pack BPIS320.1 made by i.safe MOBILE GmbH.

Li-Ion battery $U_0 = 3.8 \text{ V}$ ($U_{0_max} = 4.2 \text{ V}$) / 1900 mAh / 7.03 Wh

Interface USB interface for charging and data transfer and additional charging contacts on the side for charging.

Data connection and charging is only allowed outside ex-hazardous areas and only with the i.safe MOBILE i.safe PROTECTOR USB cable

CONDITIONS OF CERTIFICATION: YES as shown below:

The battery pack may be changed or charged outside ex-hazardous areas only. the device shall be protected from impacts with high impact energy, against excessive UV light emission and high electrostatic charge processes.

The permitted ambient temperature range is -20 °C to +60 °C.