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 19.0064X

Issue No: 0

Certificate history:
Issue No. 0 (2019-09-26)

Status: **Current**

Date of Issue: **2019-09-26**

Applicant: **i.safe MOBILE GmbH**
i_Park Tauberfranken 10
97922 Lauda-Koenigshofen
Germany

Equipment: **IS655.2 Intrinsically safe smartphone**
Optional accessory:

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

Marking:
Ex ic IIC T4 Gc IP54

Ex ic IIIB T135°C Dc IP54

Approved for issue on behalf of the IECEx Certification Body: Holger Schaffer

Position: Manager certification

Signature:
(for printed version)

Date: 2019-09-26

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.

Certificate issued by:

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

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Manufacturer:	**i.safe 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 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 : 2017 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

*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/ExTR19.0061/00

Quality Assessment Report:

DE/EPS/QAR12.0003/05

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The intrinsically safe and rugged smartphone IS655.2 has been designed for tough use in explosion hazardous areas of zone 2 and 22. The Android-smartphone provides numerous technologies like 4G (LTE), Wi-Fi, Bluetooth, NFC and GPS. Equipped with an external memory micro SD card, dual nano SIM, amplified loudspeaker and two cameras.

Electrical data:

The IS655.2 smartphone has a built-in rechargeable battery. Li-polymer battery Uo = 3.8V (Uo_max =4.35V)

A commercially available SD card may be used in the corresponding slot in the hazardous area. The internal electrical capacity of the SD card is negligible.

Charging and wired data transmission via the Micro-USB socket: Um = 5.88 V, only outside hazardous areas

SPECIFIC CONDITIONS OF USE: YES as shown below:

The battery may be charged outside explosion hazardous areas only.
The device must be protected from impacts with high impact energy, against excessive UV light emission and high electrostatic charge processes.
The permitted ambient temperature range is -10°C to +60°C.