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 history:
Issue 0 (2021-10-12)

Certificate No.: **IECEx EPS 21.0040X**

Status: **Current**

Issue No: 1

Date of Issue: 2024-12-15

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

Equipment: **IS120.1 intrinsically safe Mobile Phone**

Optional accessory:

Type of Protection: **Intrinsic safety "ib"**

Marking: Ex ib IIC T4 Gb

Ex ib IIIC T135°C Db

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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Certificate No.: **IECEx EPS 21.0040X**

Date of issue: 2024-12-15 Issue No: 1

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

Manufacturing locations:

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 60079-11:2011 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/ExTR21.0041/01

Quality Assessment Report:

DE/EPS/QAR12.0003/16

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

The intrinsically safe and rugged key operated 4G (LTE) mobile phone IS120.1 has been designed for use in the explosion hazardous areas of zone 1 and 21. The mobile phone is simple to use and provides beneath other features a long-lasting battery and a powerful loudspeaker.

Power supply: Replaceable Li-Ion Polymer Battery

Interfaces:

The device has two charging contacts for charging outside hazardous areas with an approved charging adapter. The contacts are intrinsically safe for gas and dust.
The device supports an USB-C interface for charging and data transmission. It is covered by an IP plugger and is not allowed to be opened in hazardous areas.
For charging and wired data transmission only i.safe MOBILE approved accessories may be used. This ensures U_m = 5.88 V.

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 -20 °C to +60 °C.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Change of USB interface (Micro-USB to USB-C).