

Certificate of Conformity

(1)

(2) Equipment and protective systems intended for use in potentially explosive atmospheres – **Directive 2014/34/EU**

(3) Certificate Number

EPS 23 ATEX 1 013 X

Revision 1

(4) Equipment: IS540.2 intrinsically safe Smartphone

(5) Manufacturer: i.safe MOBILE GmbH

(6) Address: i_Park Tauberfranken 10
97922 Lauda-Koenigshofen
Germany

(7) This equipment and any acceptable variation thereto are specified in the annex to this Certificate of Conformity and the documentation therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH certifies based on a voluntary assessment that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive 2014/34/EU. The examination and test results are recorded in the confidential documentation under the reference number 22TH0544_01.

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN 60079-11:2012

IEC 60079-11:2023

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions of use specified in the annex to this certificate.

(11) This Certificate of Conformity relates only to the design and the construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.

(12) The marking of the equipment shall include the following:



II 3G Ex ic IIC T4 Gc

II 3D Ex ic IIIC T135°C Dc

Certification department of explosion protection

Tuerkheim, 2026-04-21

Dr. Rainer Jany

Certificates without signature and seal are void. This certificate is allowed to be distributed only if not modified. Extracts or modifications must be authorized by Bureau Veritas Consumer Products Services Germany GmbH.

(13)

Annex

(14) **Certificate of Conformity EPS 23 ATEX 1 013 X**

Revision 1

(15) Description of equipment:

The intrinsically safe 5G smartphone IS540.2 for Zone 2/22 is equipped with a 6-inch full HD display, supports multiple frequency bands and also NFC, Bluetooth 5.2 and Wi-Fi 6. The high-end Qualcomm chipset ensures fast data processing for the most demanding industrial applications such as predictive maintenance. The 16-pin ISM interface provides a secure connection for audio accessories, barcode scanner or other add-ons. Other advantages include the 48 MP main camera, an amplified loudspeaker, a replaceable 4400 mAh battery and programmable buttons (for PoC/PTT/lone worker protection/SOS).

Electrical data:

Power supply: changeable Li-Ion Polymer Battery

Interfaces:

The device has two charging contacts that allow the device to be charged outside hazardous areas via an approved charging adapter. The contacts are intrinsically safe for gas and dust.

Furthermore, the device has an USB-C interface for charging and data transmission outside hazardous areas. It is covered by an IP plugger and is not allowed to be opened in hazardous areas.

The ISM interface of the IS540.2 can be used within hazardous areas with approved headsets, Remote Speaker Microphones (RSM) and add-ons, making the smartphone a multifunctional equipment for industrial applications. For ISM interface use, the i.safe MOBILE Headsets IS-HS2A.1, IS-HDHS1x.1 and the PTT Button IS-PTTB1A.1 or approved, intrinsically safe accessories may be used, which comply with the connection parameters of the ISM interface according to document 1058AD04. If the ISM interface is not used, it must be securely closed by the cover provided for this purpose.

Headset variants IS-HDHS1x.1:

Name:	Variant:
IS-HDHS1A.1	Headband
IS-HDHS1B.1	Neckband
IS-HDHS1C.1	Helmet Mounted

For charging and wired data transmission only i.safe MOBILE approved accessories may be used. This ensures $U_m = 5.88 \text{ V}$.

The microSD cards IS-SD164.1 and IS-SD1128.1 may be used in the corresponding slot in the hazardous area. Alternatively, the SD card port has the following intrinsic safety entity parameters:

$U_o = 4.35 \text{ V}$
 $C_o = 80 \text{ }\mu\text{F}$
 $L_o = 1 \text{ }\mu\text{H}$

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A commercially available microSD card may be used in the corresponding slot in potentially explosive atmospheres. The internal electrical capacitance and inductance are negligible, respectively correspond to the intrinsically safe connection parameters.

Nano-SIM cards which comply with the following intrinsic safety entity parameters, may be used in the corresponding slots in the hazardous area:

$U_o = 4.35 \text{ V}$

$C_o = 80 \text{ }\mu\text{F}$

$L_o = 1 \text{ }\mu\text{H}$

A commercially available nano-SIM card may be used in the corresponding slot in potentially explosive atmospheres. The internal electrical capacitance and inductance are negligible, respectively correspond to the intrinsically safe connection parameters.

(16) Reference number: 22TH0544_01

(17) Special conditions for safe use:

The battery may be charged and replaced 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 covers for the USB-C and ISM interface must be securely closed inside explosion hazardous areas.

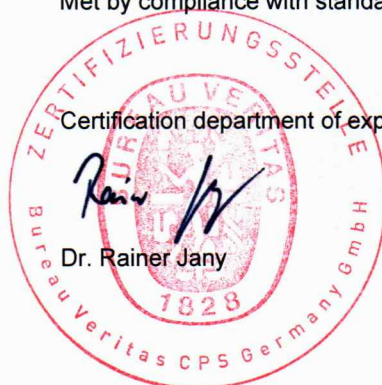
The permitted ambient temperature range is $-20 \text{ }^{\circ}\text{C}$ to $+55 \text{ }^{\circ}\text{C}$.

(18) Essential health and safety requirements:

Met by compliance with standards.

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Tuerkheim, 2026-04-21



Dr. Rainer Jany