



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 1 346 X

Revision 0

(4) Equipment: IS880.2 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 23TH0508.

(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 for safe 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, 2024-10-30

Ulrich Feike



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 1 346 X**

Revision 0

(15) Description of equipment:

The intrinsically safe IS880.2 smartphone for Zone 2/22 is equipped with a 5.5-inch display and supports NFC, Bluetooth and Wi-Fi. The high-quality Qualcomm chipset enables fast data processing for the most demanding industrial applications. Further advantages include the high-resolution camera, the powerful loudspeaker, the fingerprint scanner, the replaceable battery and the programmable buttons (e.g. for quick access or lone worker protection applications (SOS)).

Electrical data:

Power supply: replaceable Li-Ion Polymer Battery: $U_0 = 3.85 \text{ V} / 4500 \text{ mAh}$

Interfaces:

The device has two charging contacts with which it can be charged outside hazardous areas using an approved charging adapter.

The device also has a USB-C interface for charging and data transmission outside hazardous areas.

The 13-pin ISM interface can be used within hazardous areas with i.safe MOBILE approved accessories and add-ons. When the ISM interface is not in use, it must be securely closed with the cover provided for this purpose.

The following accessories may be connected to the 13-pin ISM interface:

- IS-HS1B.2 Headset
- IS-RSMG2.1 Remote Speaker Microphone

A commercially available microSD and nano-SIM card can be used in hazardous areas in the corresponding slot. The internal electrical capacitance and inductance are negligible and correspond to the intrinsically safe connection parameters.

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(16) Reference number: 23TH0508

(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 cover for the ISM interface must be securely closed inside explosion hazardous areas.

The permitted ambient temperature range is -20 °C to +55 °C.

(18) Essential health and safety requirements:

Met by compliance with standards.



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Tuerkheim, 2024-10-30