

Certificate of Conformity

(1)

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres – **Directive 2014/34/EU**

(3) Certificate Number:

EPS 21 ATEX 1 108 X

Revision 0

(4) Equipment: IS120.2 intrinsically safe Mobile Phone

(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 schedule to this Certificate of Conformity and the documents 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 21TH0376.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN 60079-11:2012

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subjected 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 and supply of this equipment.

(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

Hamburg, 2021-10-29

(13) **Annex**

(14) **Certificate of Conformity EPS 21 ATEX 1 108 X**

Revision 0

(15) Description of Equipment:

The intrinsically safe and rugged key operated 4G (LTE) mobile phone IS120.2 has been designed for use in the explosion hazardous areas of zone 2 and 22. The mobile phone is simple to use and provides beneath other features a long-lasting battery and a powerful loudspeaker.

Power supply: Replaceable LiPo battery $U_0 = 3.7 \text{ V}$ ($U_{0_max} = 4.2 \text{ V}$) / 2200 mAh / 8.14 Wh

Interfaces:

The device has two charging contacts for charging outside hazardous areas with an approved charging adapter ($U_m = 5.88 \text{ V}$). The contacts are intrinsically safe for gas and dust.

The device supports an USB interface (micro USB; $U_m = 5.88 \text{ V}$) for charging and data transmission. It is covered by an IP plugger and is not allowed to be opened in hazardous areas.

Furthermore, a SIM card may be used in the corresponding slot in potentially explosive atmospheres. The internal electrical capacity of the SIM card is negligible.

(16) Reference number: 21TH0376

(17) Special conditions for safe use:

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 $-20 \text{ }^{\circ}\text{C}$ to $+60 \text{ }^{\circ}\text{C}$.

(18) Essential health and safety requirements:

Met by compliance with standards.



Certification department of explosion protection

Hamburg, 2021-10-29