



EU - Type Examination Certificate

(1)

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

(3) EU - Type Examination Certificate Number

EPS 25 ATEX 1 269 X

Revision 0

(4) Equipment: IS380.1 intrinsically safe 4G Radio

(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 and the documentation therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH, notified body No. 2004 in accordance with Article 21 given in the Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, certifies 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. The examination and test results are recorded in the confidential documentation under the reference number 25TH0478_00.

(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 EU - Type Examination Certificate relates only to the design and 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 2G Ex ia IIC T4 Gb

II 2D Ex ia IIIC T135°C Db



Certification department of explosion protection

Tuerkheim, 2026-05-20



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) **EU - Type Examination Certificate EPS 25 ATEX 1 269 X**

Revision 0

(15) Description of equipment:

The intrinsically safe 4G Radio IS380.1 for Zone 1/21 is equipped with a 2.4-inch display, supports multiple frequency bands and also NFC, Bluetooth® and Wi-Fi®.

The 13-pin ISM interface provides a secure connection for audio accessories or other add-ons.

Other advantages include the 13 MP main camera, an amplified loudspeaker, a replaceable 3600 mAh battery and programmable buttons (for PoC/PTT/lone worker protection/SOS).

Electrical data:

Power supply: 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 a 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 IS380.1 has a removable antenna.

The ISM interface of the IS380.1 can be used within hazardous areas with approved headsets, Remote Speaker Microphones (RSM) and add-ons, making the radio a multifunctional equipment for industrial applications. For ISM interface use, the i.safe MOBILE Headsets IS-HS1.1, IS-HDHS1x.1, the PTT Button IS-PTTB3A.1, the Remote Speaker Microphones IS-RSMG2.1 and IS-RSM3C.1 or approved, intrinsically safe accessories may be used, which comply with the connection parameters of the ISM interface according to document 1091AD04. 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	Helm Mounted

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.

EU – Baumusterprüfbescheinigung EPS 25 ATEX 1 269 X

Revision 0

(16) Reference number: 25TH0478_00

(17) Special conditions of use:

The battery may be charged and replaced outside explosion hazardous areas only.

The device may be connected outside potentially explosive areas for charging or data exchange to commercially available USB interfaces, which comply with SELV, PELV, ES1 or a comparable standard. This ensures $U_m \leq 11.5 \text{ V}$.

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: $-20 \text{ °C} \leq T_a \leq +55 \text{ °C}$

(18) Essential health and safety requirements:

Met by compliance with standards.



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Tuerkheim, 2026-05-20