



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 No.: **IECEX EPS 22.0028X** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2022-09-29
Applicant: **i.safe MOBILE GmbH**
i_Park Tauberfranken 10
97922 Lauda-Koenigshofen
Germany
Equipment: **IS-SW1.1 intrinsically safe Smartwatch**
Optional accessory:
Type of Protection: **Intrinsic safety "i"**
Marking: **Ex ib IIC T4 Gb**
Ex ib IIIC T135°C Db

Approved for issue on behalf of the IECEX
Certification Body:

Position:

Signature:
(for printed version)

Date:
(for printed version)

Ulrich Feike

Head of Certification

2022-09-29



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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Page 2 of 3

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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/ExTR22.0031/00](#)

Quality Assessment Report:

[DE/EPS/QAR12.0003/14](#)



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Page 3 of 3

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The industrial smartwatch IS-SW1.1 for use in zones 1/21 hazardous areas was developed to capture and display messages, hazard alarms and measured values. Paired with i.safe MOBILE devices, it also functions as a supplementary "hands-free" display and can be used in a highly flexible manner.

Electrical data (power supply): permanently installed Li-Ion Polymer Battery

Interfaces:

The device has an USB interface for charging and data transmission outside hazardous areas. The contacts are intrinsically safe for gas and dust.

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

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 $-10 \text{ }^\circ\text{C}$ to $+55 \text{ }^\circ\text{C}$.