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IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

Download : [Certificate](#) 

Certificate No.:

IECEX EPS 16.0026X

issue No.: 0

Status:

Current

Date of Issue:

2016-04-21

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Applicant:

i.safe MOBILE GmbH
i_Park Tauberfranken 10
97922 Lauda-Koenigshofen
Germany

Equipment:

RFID and NFC mobile reader: IS-MP.2

Optional accessory:

Type of Protection:

ic

Marking:

Ex ic IIC T4 Gc IP54
Ex ic IIIB T135°C Dc IP54
-20°C to 60°C

*Approved for issue on behalf of the IECEX
Certification Body:*

Dieter Zitzmann

Position:

Certification Manager

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 the Official IECEX Website.

Certificate issued by:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany



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Manufacturer: **i.safe MOBILE GmbH**
 i_Park Tauberfranken 10
 97922 Lauda-Koenigshofen
Germany

Additional Manufacturing location(s):

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 product 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 electrical apparatus 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 : 2011 Explosive atmospheres - Part 0: General requirements

Edition: 6.0

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

Edition: 6.0

*This Certificate **does not** indicate compliance with electrical 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/ExTR16.0026/00](#)

Quality Assessment Report:

[DE/EPS/QAR12.0003/03](#)



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Schedule**EQUIPMENT:**

Equipment and systems covered by this certificate are as follows:

The IS-MP.2 is an intrinsically safe and rugged RFID + NFC mobile reader for the use in hazardous areas of zone 2 and 22. If RFID/NFC TAGs are mounted very close to each other or placed in the corner the small reading tip makes it possible to read the tags, so every equipment can be easily identified. Inside hazardous areas the information can be read directly at the 4 row OLED-display and transferred by Bluetooth. Outside hazardous areas the storage can be read by USB.

The IS-MP.2 is reading from passive TAGs with different frequency combinations.

- LF 125kHz
- LF 134,2 kHz FDX-B + HDX
- HF und NFC 13,56 MHz
- UHF 868 MHz

Different frequency combinations are possible.

SPECIFIC CONDITIONS OF USE: YES as shown below:

The device shall be charged only outside ex-hazardous areas. 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°C to +60°C.