



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 25.0001X**

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Certificate history:

Status: **Current**

Issue No: 0

Date of Issue: **2026-05-07**

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

Equipment: **IS-IM1x.1 Interface Module**

Optional accessory:

Type of Protection: **increased safety "e", intrinsic safety "i", encapsulation "m"**

Marking: **Ex eb mb [ib Gb] IIC T4 Gb**

[Ex ib Db] IIIC

[Ex ia Ma] I

Approved for issue on behalf of the IECEx
Certification Body:

Position:

Signature:
(for printed version)

Date:
(for printed version)



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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locations: **i.safe MOBILE GmbH**
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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 60079-11:2023 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:7.0

IEC 60079-18:2025 Explosive atmospheres - Part 18: Equipment protection by encapsulation "m"
Edition:5.0

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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/ExTR25.0001/00

Quality Assessment Report:

DE/EPS/QAR12.0003/17



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The IS-IM1x.1 is an interface module for charging and data connecting tablets mounted in the IS-DS940.1 / IS-DS940.M1 docking station. It is designed for installation in Zone 1/21 hazardous areas. It acts as an interface between non-intrinsically safe and intrinsically safe circuits and enables the connection of the IS-DS940.1 docking station for use in Zone 1/21, or the IS-DS940.M1 docking station for operation in mines at risk of firedamp.

Variants of the IS-IM1x.1:

Name	Function	Interfaces
IS-IM1A.1	charging and data transfer	X1, X2, X3, X4, X5, X6
IS-IM1B.1	charging only	X1, X3

Electrical data:

X1	Ex i	for connection to the IS-DS940.1 / IS-DS940.M1
X2	Ex i	Ex i USB 1.1 Interface
X3	Ex e	Supply: +24V DC $\pm 10\%$, max. 1.2A
X4	Ex e	Ex e Ethernet 100 Base-T
X5	Ex e	USB 2.0 Interface
X6	Ex e	expansion interface

The entity parameters of the IS-IM1x.1 are defined in document 1077AD05 and correspond to the entity parameters of the IS-DS940.1 and IS-DS940.M1 according to document 1065AD05.

The intrinsic safety verification according to IEC 60079-14 is fulfilled.

The cable HELUKAT® 600IND CAT.7e S/FTP PUR STATIC blue 4 x 2 x AWG 23 /1 with a length of up to 5m $\pm$ 10cm can be used for this purpose. Alternative cables must be below the following connection parameters:

L_c [mH]	0.030	0.020	0.010	0.005	0.002	0.001
C_c [μ F]	2.20	2.90	4.40	5.90	5.90	5.90

The following accessories are permitted to connect to the intrinsically safe interfaces:

- IS-DS940.1 (Docking Station)
- IS-DS940.M1 (Docking Station)
- Approved, intrinsically safe accessories that comply with the connection parameters specified in document 1077AD05

SPECIFIC CONDITIONS OF USE: YES as shown below:

The device must be installed in an enclosure with at least degree of protection IP54. The enclosure must meet the requirements of a recognized type of protection in accordance with IEC 60079-0.

The permissible ambient temperature range is -20 °C to +60 °C.