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 FIDI 24.0017X**	Page 1 of 4	Certificate history:
Status:	**Current**	Issue No: 1	Issue 0 (2025-02-20)
Date of Issue:	2025-05-14		
Applicant:	**Xshielder AS** Badehusgata 37 Stavanger 4014 **Norway**		
Equipment:	**Smartphone type XS1-SP-G01-C01-S02 / ***-*****-*-*-***		
Optional accessory:			
Type of Protection:	**Flameproof enclosure 'db'; Protection by enclosure 'tb'**		
Marking:	Ex db IIC T6 Gb Ex tb IIIC T80°C Db		

Approved for issue on behalf of the IECEx Certification Body: **Marino Kelava**

Position: **Certification Signatory**

Signature: (for printed version)

Date: (for printed version) 2025-05-14

Fiditas d.o.o. ZAGREB

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:

Fiditas Ltd
Slavka Tomerlina 44
Zagreb-Sesvete HR-10361
Croatia

Fiditas explosion safety solutions

207

IECEx Certificate of Conformity

Certificate No.: **IECEx FIDI 24.0017X**

Issue No: 1

Date of issue: 2025-05-14

Manufacturer: **Xshielder AS**
Badehusgata 37
Stavanger 4014
Norway

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 Edition:7.0 — Explosive atmospheres - Part 0: Equipment - General requirements

IEC 60079-1:2014 Edition:7.0 — Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"

IEC 60079-31:2013 Edition:2 — Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

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 Reports:

HR/FIDI/ExTR24.0022/00 HR/FIDI/ExTR24.0022/01

Quality Assessment Report:

NO/DNV/QAR24.0016/01

IECEx Certificate of Conformity

EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The device consists of flameproof enclosure containing an iPhone 15 Pro Max or iPhone 16 Pro Max smartphone. The enclosure is constructed from aluminium. On front and back side, the enclosure has glass windows for touch display, wireless charging and camera function. Buttons are made of aluminium and are kept in place by a flange on the inside. The device is protected by rubber bumpers on all four corners. The lid and glass parts are cemented to the enclosure.

Electrical data:

Battery supply 3.9 V DC

Ambient temperature range: -20°C to +50 °C

Model identification:

Type: XS1-SP-G01-C01-S02/***-*****-*-*-*

- /***-*****-*-*-* mark for internal use (not relevant for Ex protection)

SPECIFIC CONDITIONS OF USE: YES as shown below:
- A repair of flameproof joints is not allowed according to IEC 60079-1 values.

- Fasteners shall only be replaced with identical ones. The minimum tensile strength must be 500 MPa.

- Smartphone is tested for low impact energy and shall not be exposed to high impact risk.

- Opening is not allowed by the user.

- Battery charging is only allowed outside hazardous area.

IECEx Certificate of Conformity

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

The gap of joint between the button and the chassis is increased from 0.056 mm to 0.1 mm in accordance with drawing DWG-000004, revision 6.