



[1] **EU – TYPE EXAMINATION CERTIFICATE**

[2] Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU.

[3] EU-Type Examination Certificate Number: **FIDI 24 ATEX 0075X** Issue: **0**

[4] Product: **Smartphone**
Type: **XS1-SP-G01-C01-S0* / ***_*****_*.****

[5] Manufacturer: **Xshielder AS**

[6] Address: **Badehusgata 37, 4014 Stavanger, Norway**

[7] This product and any acceptable variation thereto is specified in the schedule to this certificate and documents therein referred to.

[8] FIDITAS Ltd., Notified Body number 2829 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II of the Directive.

The examination and test results are recorded in confidential Report No: **FIDI 24 CR 092**

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:


EN IEC 60079-0:2018 EN 60079-1:2014 EN 60079-31:2014

except in respect of those requirements listed at item 18 of the Schedule.

[10] If the sign 'X' is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.

[11] This EU-Type Examination Certificate relates only to the design, examination and test of the specified product in accordance with Annex III. Further requirements of the Directive apply to the manufacturing process and supply of this products. These are not covered by this certificate.

[12] The marking of the product shall include the following:

 **II 2G Ex db IIC T6 Gb**
II 2D Ex tb IIIC T80°C Db

Our ref.: 24.CRT.041

Date: 04.12.2024.



FIDITAS Ltd.
Certification department

Approved: 

Marino Kelava, M.E.Eng.

SK



[13] **SCHEDULE**

[14] **EU - TYPE EXAMINATION CERTIFICATE No.:** **FIDI 24 ATEX 0075X**

[15] **Description of product**

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.

Electrical data:

Battery supply 3.9 V DC

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

Model identification:

XS1-SP-G01-C01-S0* / ***_*****_*_**

- S01 is version without cemented lid and

- S02 is version with cemented lid.

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

Warning marking:

“DO NOT OPEN IN HAZARDOUS AREA” (only for XS1-SP-G01-C01-S01 / ***_*****_*_** version)

XS1-SP-G01-C01-S02 / ***_*****_*_** version is designed with cemented joints.

[16] **Confidential Report No.** FIDI 24 CR 092

[16.1] **Routine testing**

None

[17] **Specific Conditions of Use**

- A repair of flameproof joints is not allowed according to EN 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.
- The enclosure of Smartphone shall not be opened in hazardous area.
- Opening of version XS1-SP-G01-C01-S02 / ***_*****_*_** is not allowed by the user.
- Battery charging is only allowed outside hazardous area.

[18] **Essential Health and Safety Requirements**

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report: FIDI 24 CR 092.

BA



[19] Drawings and Documents

Title:	Drawing No.:	Rev. level:	Date:
Product Description	DOC-000001	04	02.12.2024
General Assembly	DWG-000004	5	27.11.2024
Device Marking	DWG-000005	03	18.11.2024
Quick Start Guide	DOC-000003	04	02.12.2024.
Appendix 1	DOC-000020	01	22.10.2024
Appendix 2	DOC-000021	01	22.10.2024
Appendix 3	DOC-000022	01	22.10.2024
Appendix 4	DOC-000023	01	22.10.2024
Appendix 5	DOC-000024	01	22.10.2024
Appendix 6	DOC-000032	01	11.11.2024

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