



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 EXV 22.0024X** Page 1 of 4 [Certificate history:](#)
Status: **Current** Issue No: 1 [Issue 0 \(2022-08-04\)](#)
Date of Issue: 2023-03-23
Applicant: **Xciel Inc.**
19830 FM 1093, Suite 2001
Richmond TX 77407
United States of America
Equipment: **iPhone 12, 13 and 14 Flameproof Enclosure**
Optional accessory:
Type of Protection: **Flameproof 'd'**
Marking: **Ex db IIB T* Gb**
-20°C ≤ Tamb ≤ +50°C
***See description for temperature code**

Approved for issue on behalf of the IECEx
Certification Body:

Sean Clarke CEng MSc FIET

Position:

Certification Manager

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:

ExVeritas Limited
Units 16-18 Abenbury Way
Wrexham Ind. Est.
Wrexham LL 139UZ
United Kingdom





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Manufacturer: **Xciel Inc.**
19830 FM 1093, Suite 2001
Richmond TX 77407
United States of America

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 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

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 Reports:

[GB/EXV/ExTR22.0048/00](#)

[GB/EXV/ExTR23.0017/00](#)

Quality Assessment Report:

[GB/EXV/QAR21.0012/01](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Model number(s): XCZ1-iPhone12 may be followed by Pro or XCZ1-iPhone13 or XCZ1-iPhone14.

Model similarity: The models are identical in construction and only vary between each other based on the iPhone incorporated. However, the iPhone12 and iPhone13 models have a temperature code of T6, the iPhone14 model has a temperature code of T5.

This equipment is a flameproof, Ex db aluminum enclosure housing an iPhone. The enclosure is constructed by a front and back cover assembled by fasteners. Both the front and back covers contain a glass window for screen visibility and wireless charging capabilities (outside hazardous location only). The enclosure includes 4 tool secured rubber bumpers on the corners for drop/impact mitigation.

The general dimensions of the enclosure are 186.9mm x 108.7 mm x 11.8 mm. The enclosure additionally includes tool secured charging port and sim card covers. The power and volume buttons are accessible by operating rods which are in their turn tool secured by covers. The surface finish is anodized orange.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The iPhone shall not be removed from the aluminum case.
2. The iPhone shall not be charged, by cable or wireless, when hazardous atmospheres are present. Equipment is required to be charged with a suitably approved charger.
3. Flameproof joints shall not be modified or repaired. Contact the manufacturer for flameproof joints information.
4. Fasteners in the equipment are thread locked and shall not be removed/replaced without manufacturer's approval. The only fasteners allowed to be removed/replaced by the end user are those of the charging port cover. Refer to manufacturer's safety instructions for information on installation and fastener type.
5. Rubber bumpers must be installed on the equipment at all times to protect corners of the aluminum case, and must be visually inspected for good condition before each use.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1: iPhone 14 was added as an alternate model for the equipment

Annex:

[EXV22.0024_1_Annex.pdf](#)

Annex to: IECEx EXV 22.0024X Issue 1

Technical Documents			
Title:	Drawing No.:	Rev. Level:	Date:
iPHONE 12/12 PRO CASE ASSEMBLY	XCZ1-IP12-3000	00	06/03/22
FRONT GLASS	XCZ1-IP11-1100	00	04/27/22
BACK GLASS	XCZ1-IP11-1101	00	07/07/21
FRONT COVER	XCZ1-IP12-1000	00	06/21/21
iPHONE 12/12 PRO LINER	XCZ1-IP12-1001	00	02/08/21
BACK COVER	XCZ1-IP12-1002	00	06/21/21
BACK GLASS RETAINER	XCZ1-IP12-1003	00	06/21/21
POWER CONTROL PLATE COVER	XCZ1-IP12-1004	00	02/09/21
VOLUME CONTROL PLATE COVER	XCZ1-IP12-1005	00	03/23/21
CONTROL ROD	XCZ1-IP12-1006	00	02/04/21
SPEAKER PLATE	XCZ1-IP12-1007	00	07/14/21
SIM CARD SLOT COVER - 12/12 PRO	XCZ1-IP12-1008	00	07/14/21
CHARGE PORT COVER	XCZ1-IP11-1009	00	03/23/21
FOAM	XCZ1-IP12-1200	00	09/28/21
UV PROTECTION FILM	XCZ1-IP12-1201	00	01/21/22
TOP BUMPER	XCZ1-IP12-1203	00	02/22/21
BOTTOM BUMPER	XCZ1-IP12-1204	00	02/22/21
SOUND PLUG	XCZ1-IP12-1300	00	01/11/21
FASTENERS	XCZ1-IP12-1400	00	06/03/22
LABELS	XCZ1-IP12-1600	00	06/16/22
*ALTERNATE LABEL	XC1183	00	01/31/23
SAFETY INSTRUCTIONS AND REGULATIONS	QSF-73	00	07/22/22
iPHONE 12 INTERNAL COMPONENTS	XCZ1-IP12-1800	00	07/20/22
iPHONE 13 INTERNAL COMPONENTS	XCZ1-IP13-1800	00	07/20/22
*iPHONE 14 INTERNAL COMPONENTS	XCZ1-IP14-1800	00	01/11/23

*Note: An * is included before the title of documents that are new or revised.*