



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 KSCP 24.0011X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2024-05-08

Applicant: **Armadex Explosion Protection B.V.**
Tinstraat 33,
Ridderkerk, 2984 AN,
Netherlands

Equipment: **Bluetooth Keyboard Armadex Ex BT-Key-02**

Optional accessory:

Type of Protection: **intrinsic safety "i"**

Marking: Ex ic IIC T6 Gc
Ex ic IIIB T85°C Dc
Ta: 0 °C to +60 °C

Approved for issue on behalf of the IECEx
Certification Body:

Sang He Kim

Position:

President of the Board

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:

KSC POLAND Sp. z o.o.
Chorzowska 150 Street
Katowice 40-101
Poland





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Certificate No.: **IECEX KSCP 24.0011X**

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Date of issue: 2024-05-08

Issue No: 0

Manufacturer: **Armadex Explosion Protection B.V.**
Tinstraat 33,
Ridderkerk, 2984 AN,
Netherlands

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 60079-11:2023](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
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 Report:

[PL/KSCP/ExTR24.0011/00](#)

Quality Assessment Report:

[PL/KSCP/QAR24.0003/00](#)



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Date of issue: 2024-05-08

Issue No: 0

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The equipment is a Bluetooth® keyboard compatible with Windows, Android and iOS, suitable for use in zones 2 and 22 hazardous areas. It uses a rechargeable battery (Lithium Ion Battery, 3000 mAh, 3.7 VDC, 30 mA) that must be charged only in a non-hazardous area.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The product shall only be charged using a charger specifically supplied for use with the unit, approved as SELV or Class 2 equipment against IEC 62368-1 or an equivalent standard.
- Battery shall be charged in a non-hazardous location only.
- Under certain extreme circumstances, the non-metallic parts incorporated in the enclosure of this equipment may generate an ignition-capable level of electrostatic charge. Therefore, the equipment shall not be installed in a location where the external conditions are conducive to the build-up of electrostatic charge on such surfaces. In addition, the equipment shall only be cleaned with a damp cloth.

Annex:

[IECEX_KSCP_24.00011X_Addendum.pdf](#)



Addendum to IECEx Certificate

Reference Number.....:	IECEX KSCP 24.0011X
Issue.....:	Issue 0

Description

The equipment is a Bluetooth® keyboard compatible with Windows Android and iOS, suitable for use in zones 2 and 22 hazardous areas. It uses a rechargeable battery (Lithium Ion Battery, 3000 mAh, 3.7 VDC, 30 mA) that must be charged only in a non-hazardous area.

Keyboard consists of a bottom case made of plastics and a top cover made of rubber that contains the keys. The touchpad is placed inside of an opening on the top cover. The battery is located in the bottom case directly under the PCB.

The Keyboard model Ex BT-Key-02 consists of the following parts:

- Three PCBs
- Rechargeable Lithium-Ion battery
- ABS Polycarbonate casing
- Industrial Silicone Keypad
- Touchpad
- Micro USB Port and cable

Marking

The IECEx characteristics of the product are as follows:

Item	Detail
Name of Manufacturer	Armadex Explosion Protection B.V.
Address of manufacturer	Tinstraat 33, 2984 AN, Ridderkerk, The Netherlands
Equipment name	Bluetooth Keyboard
Type identification	Armadex Ex BT-Key-02
Certificate number:	IECEX KSCP 24.0011X
Hazardous Location Markings:	Ex ic IIC T6 Gc Ex ic IIIB T85°C Dc
Ambient range:	0 °C ≤ Ta ≤ +60 °C
Electrical Rating:	3.7VDC, capacity 3,000 mAh, Rated discharge current 30 mA
Serial number:	AM-X.....
Year of manufacture:	YYYY
Warnings	WARNING- POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS. WARNING - DO NOT CHARGE THE BATTERY IN THE HAZARDOUS AREA

Conditions of manufacture:

As per clause 10.4 of IEC 60079-11:2023, each encapsulated manufactured sample shall be subjected to a routine verification. No damage shall be evident to the encapsulation.

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