

# KSC POLAND Sp. z o.o.

## (1) TYPE EXAMINATION CERTIFICATE

- (2) **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 2014/34/EU**
- (3) Type Examination  
Certificate No.: **KSCP 24ATEX0009 X**, Issue: 0
- (4) Product: **Bluetooth Keyboard Armadex Ex BT-Key-02**
- (5) Manufacturer: **Armadex Explosion Protection B.V.**
- (6) Address: **Tinstraat 33, Ridderkerk, 2984 AN, Netherlands**
- (7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) KSC POLAND Sp. z o.o., 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 to Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.  
The examination and test results are recorded in confidential Report No. **KSCP/AR/24/Q00356**
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN IEC 60079-0:2018** **EN 60079-11:2012**
- (10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
- (11) This Type Examination Certificate relates only to the design and construction of the specified equipment and not to specific items of equipment subsequently manufactured.
- (12) The marking of the product shall include the following:



**II 3 G Ex ic IIC T6 Gc**  
**II 3 D Ex ic IIIB T85°C Dc**

Signature  
President of the Board



Katowice, 8<sup>th</sup> May, 2024

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## SCHEDULE

(13)

(14)

**CERTIFICATE No.: KSCP 24ATEX0009 X, Issue:0**

(15) Description of Product:

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

### Rating:

Rechargeable Lithium Ion Battery:	3000 mAh, 3.7 VDC, 30 mA
Ambient temperature:	0 °C to +60 °C

(16) Report Number:

– **KSCP/AR/24/Q00356**

(17) Specific Conditions of Use:

- i. The product shall only be charged using a charger specifically supplied for use with the unit, approved as SELV or Class 2 equipment against EN IEC 62368-1 or an equivalent standard
- ii. Battery shall be charged in a non-hazardous location only
- iii. 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

(18) Essential Health and Safety Requirements:

Essential Health and Safety Requirements are ensured by conformity with standards listed at item 9 of this certificate.





# KSC POLAND Sp. z o.o.

(13)

## SCHEDULE

(14)

**CERTIFICATE No.: KSCP 24ATEX0009 X**, Issue:0

(19) Drawings and Documents:

– Documentation agreed, provided by manufacturer:

Title:	Drawing No.:	Rev. Level:	Date:
Technical description	70024-2	09	2024-03-25
Bill of Materials Keyboard	15-1397	1.5	2024-02-11
Schematic BT-870-MSP430-TP	SCH-1397-R1.3.3	1.3.2	2024-02-11
Layout Keyboard	PCB-1397-R1.3 PCB-1397-R1.3- Gerbers	1.3	2020-01-07
BT-870-TP-MKT	MKT0396	1.0	2017-05-01
BT-87-MSP430-TP-MECH	MEC0208	1.1	2016-03-23
Schematic (Current Limiter)	SCH-CL-R1.5	1.4	2023-11-21
Bill of Materials (Current Limiter)	BOM-CL-R1.5	1.4	2023-11-22
Layout (Current Limiter)	PCB-CL-R1.5 PCB-CL-R1.5-Gerbers	1.4	2023-11-21
Label Keyboard	label Keyboard	1.3	2024-03-25
Encapsulation Drawing	FAB_1397_1.0	1.0	2024-02-12

– Product instruction:

Title:	Document No.:	Rev. Level:	Date:
Operation Manual	IOM Rev. 1.2.4 Armadex Ex BT-Key-02	1.2.4	2024-03-25

A detailed list of documents necessary to identify the approved type is included in the Report referred to in point 16 of this certificate.

This certificate is issued for the product type, the characteristics of which are detailed in the this certificate. Subsequent production items are not covered by the certification body's conformity assessment. The manufacturer is solely and fully responsible for conformity of all products to all applicable Standards, specifications, requirements or Directives.

(20) Certificate history:

Issue	Issue date	Notes
0	8 <sup>th</sup> May, 2024	Initial certification

