



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx UL 18.0028X

Issue No: 0

Certificate history:

Issue No. 0 (2018-09-17)

Status: **Current**

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Date of Issue: **2018-09-17**

Applicant: **ExRobotics B.V.**
Effenseweg 1
Breda, 4838 BA
The Netherlands

Equipment: **Battery Pack, BAT-SW-001806**

Optional accessory:

Type of Protection: **Increased Safety "eb"**

Marking:

Ex eb IIB T4 Gb

-20°C ≤ Ta ≤ +50°C

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

Lucy Frieders

Position:

Staff Engineer

*Signature:
(for printed version)*

Date:

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

UL LLC
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America





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Manufacturer: **ExRobotics B.V.**
Effenseweg 1
Breda, 4838 BA
The Netherlands

Additional Manufacturing location(s):

ExRobotics B.V.
Delftechpark 26
Delft 2628XH
The Netherlands

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 apparatus 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-7 : 2015 Explosive atmospheres – Part 7: Equipment protection by increased safety "e"
Edition:5.0

*This Certificate **does not** indicate compliance with electrical 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:

[US/UL/ExTR18.0034/00](#)

Quality Assessment Report:

[DK/ULD/QAR18.0002/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Battery Pack, BAT-SW-001806, is an increased safety enclosure that houses three batteries. Each of the three batteries are rated 12 VDC and 9Ah. The Battery Enclosure is provided with a cable leaving the enclosure for connections to external circuits.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The pack will be located within an enclosure that protects it against impact

The following additional previous editions of Standards noted under the "Standards" section of the Certificate were applied to integral Components as itemized below. There are no significant safety related changes between these previous editions and the editions noted under the "Standards" section.

Multibox Terminal Box MBA 202311

IEC 60079-7 Edition 4



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Additional information:

Annex:

[Annex to IECEX UL 18.0028X Issue 0.pdf](#)



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PARAMETERS RELATING TO THE SAFETY

Maximum Voltage = 36 V DC

Maximum Current = 9 A

MARKING

Marking has to be readable and indelible; it has to include the following indications:



ExRobotics B.V.
Effenseweg 1
4838 BA Breda
The Netherlands

CE 0539	Year of manufacture	2018	
Battery Pack			
BAT-SW-001806	01		
IECEX UL 18.0028X	DEMKO 18 ATEX 1930X		
Ex II 2G Ex eb IIB T4 Gb			
-20°C ≤ T _r ≤ 150°C		See Instructions	
⚡ Highest voltage 36 VDC; Voltage per battery 12 VDC			
⚡ Total power housed < 1300 W; Current rating 9 Ah			
WARNING BATTERIES ARE ONLY TO BE REPLACED BY EXROBOTICS	WARNING DO NOT OPEN	WARNING ONLY USE 3X BETTA 6-HCNFJ-7.2 BATTERIES	WARNING DO NOT CHARGE IN A HAZARDOUS AREA