

EU-TYPE EXAMINATION CERTIFICATE



Equipment or Protective System intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

EU-Type Examination Certificate Number: **DEMKO 18 ATEX 1929X Rev. 4**

Product: **Drive Module DRV-SW-001925**

Manufacturer: **ExRobotics B.V.**

Address: : **Delftechpark 26, Delft 2628 XH, Netherlands**

This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

UL International Demko A/S, notified body number 0539 in accordance with Article 17 of the 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 to the Directive.

The examination and test results are recorded in the confidential report no. **US/UL/ExTR18.0044/04.**

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

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

**EN IEC 60079-0:2018/A11:2024
EN 60079-1:2014/A11:2024**

Where additional criteria beyond those given here have been used, they are listed at item 18 in the Schedule.

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed under item 17 of this certificate.

This EU-Type Examination Certificate relates only to the technical design of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by the certificate.

The marking of the product shall include the following (marking is provided in the Schedule as a part of item 15, if applicable):

 **II 2 G Ex db IIB T4 Gb**
or

 **II 2 G Ex db IIC T4 Gb**

Certification Manager
Thomas Wilson

This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2018-09-14

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Notified Body

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
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Accredited by DANAK under registration number 7011 to certification of products.

Form-ULID-000217 – Issue 31.0

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Schedule
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[15]

Description of Product

The Drive Module, DRV-SW-001925, is a flameproof enclosure with two motors located completely within the enclosure. The Drive Module contains two separate drive connections through the wall of the flameproof housing for mechanical connections to the internal motors. The Drive Module is rated for continuous duty for up to a 5 A total load (2.5 A for each end). The Drive Module is rated for a duty cycle of up to 10 A total (5 A each end) for 90 minutes with power on and at least 3 hours with power off.

Temperature range

The ambient temperature range is $-40\text{ °C} \leq T_a \leq +55\text{ °C}$ or $-40\text{ °C} \leq T_a \leq +60\text{ °C}$ depending on the cable that is installed.

Electrical data

36V DC, 5 A Continuous or 10 A Duty

Routine tests

Routine tests according to EN 60079-1 cl. 16 are not required, as the enclosures have been successfully tested at four times the reference pressure.

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Descriptive Documents

The scheduled drawings are listed in the report no. provided under item no. [8] on page 1 of this EU-Type Examination Certificate.

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Specific conditions of use:

- Do not repair the flameproof joints

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Essential Health and Safety Requirements

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information



The trademark will be used as the company identifier on the marking label.

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in Annex III to Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014.