



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 UL 20.0131X**

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Certificate history:

Status: **Current**

Issue No: 3

[Issue 2 \(2024-10-24\)](#)

[Issue 1 \(2022-04-12\)](#)

[Issue 0 \(2021-04-09\)](#)

Date of Issue: 2025-12-16

Applicant: **ExRobotics B.V.**
Delftechpark 26,
Delft 2628 XH,
Netherlands

Equipment: **Communications Module, Communication Module V2, Inspection Module, and Drive Camera Module.**

Optional accessory:

Type of Protection: **Flameproof "db"**

Marking: Ex db IIB T4 Gb or

Ex db IIC T4 Gb

-40°C to +60°C maximum range for Communications Module and Communication Module V2.

-40°C to +65°C maximum range for Inspection Module and Drive Camera Module.

See Equipment section for more information.

Approved for issue on behalf of the IECEx
Certification Body:

Katy A. Holdredge

Position:

Senior Staff Engineer

Signature:
(for printed version)

Date:
(for printed version)

2025-12-16

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:

UL Solutions (US)
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America





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Manufacturer: **ExRobotics B.V.**
Delftechpark 26,
Delft 2628 XH,
Netherlands

Manufacturing locations: **ExRobotics B.V.**
Delftechpark 26,
Delft 2628 XH,
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 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](#) 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:

[US/UL/ExTR20.0148/00](#)

[US/UL/ExTR20.0148/01](#)

[US/UL/ExTR20.0148/02](#)

Quality Assessment Report:

[DK/ULD/QAR18.0002/10](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Communications Module, Communications Module V2, Inspection Module, and Drive Camera Module utilize a flameproof enclosure with different electrical configuration options such as processors, modems, cameras, and lights. Communications Module and Communications Module V2 when fitted with Hawke 653 cable gland(s), maximum ambient is limited to 55°C.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- **WARNING:** To reduce the risk of ignition due to electrostatic discharge, avoid contact with the Analynk antenna (if fitted) while an explosive atmosphere is present.
- Clean only with a damp cloth.
- Do not use chemical cleaners.
- Do not repair the flameproof joints.
- CMP PX2KREX, Hummel HSK-INOX-Ex-d, Hummel HSK-M-Ex-d, the cable shall be effectively clamped to prevent pulling or twisting of the cable.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1: Update of manufacturing location address. No update of ExTR for this issue.

Issue 2: Add 5G modem to construction options; Add alternate type of Analynk antenna; Add minor mechanical changes that do not affect the type of protection: Solar Cap, Panning End Stop, Closed Gland Plate and Flex PCB Support assembly. (including revision to construction, accordingly); Revised label content. New Communications Module V2.

Issue 3: Update certification to include IIC for specific constructions. Alternate construction and update of the associated drawings for IIC construction. Alternate certified equipment cable glands and stopping plugs. Alternate window construction for IIB and IIC. Update Applicant/Manufacturer address. Alternate radio modules with limit of maximum 2W transmission power.

Annex:

[Annex to IECEx UL 20.0131X Issue 3.pdf](#)



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PARAMETERS RELATING TO THE SAFETY

Inspection Module, and Drive Camera Module: 36V DC, 18W Maximum

Communications Module and Communications Module V2: 36V DC, 75W maximum

MARKING

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

Communications Module –

IIB or IIC DEPENDING ON
MANUFACTURER VARIATIONS

HAWKE BARRIER GLAND
MAX. AMBIENT 55°C.

USE FASTENERS WITH
YIELD STRESS $\geq 600\text{N/mm}^2$,
IIC ENCLOSURE FRONT BOLTS



Communications Module V2 –

IIB or IIC DEPENDING ON
MANUFACTURER VARIATIONS

HAWKE BARRIER GLAND
MAX. AMBIENT 55°C.

USE FASTENERS WITH
YIELD STRESS $\geq 600\text{N/mm}^2$,
IIC ENCLOSURE FRONT BOLTS





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Drive Camera Module –

IIB or IIC DEPENDING ON
MANUFACTURER VARIATIONS

USB CABLE IN COMBINATION
WITH HUMMEL GLAND FOR IIC,
MAX. AMBIENT +60°C

USE FASTENERS WITH
YIELD STRESS $\geq 600\text{N/mm}^2$,
IIC ENCLOSURE FRONT BOLTS



Inspection Module –

IIB or IIC DEPENDING ON
MANUFACTURER VARIATIONS

USB CABLE IN COMBINATION
WITH HUMMEL GLAND FOR IIC,
MAX. AMBIENT +60°C

USE FASTENERS WITH
YIELD STRESS $\geq 600\text{N/mm}^2$,
IIC ENCLOSURE FRONT BOLTS



LIST OF CERTIFIED EQUIPMENT AND/OR COMPONENTS

The following additional previous editions of Standards noted under the “Standards” section of this 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.

Product	Certificate Number	Standards
Bartec F.N. S.R.L Threaded Plugs, Model PLG(1 or 2)MX(A or C), or PLG(1 or 2)MON(A or C)	IECEX INE 16.0014X Issue 2	IEC 60079-0, Edition:6.0