



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 DNV 21.0071** Page 1 of 3 [Certificate history:](#)
Status: **Current** Issue No: 0
Date of Issue: 2021-11-02
Applicant: **KONGSBERG MARITIME AS**
Skonnertvegen 1
Ranheim 7053
Norway
Equipment: **Water Ingress Sensor**
Optional accessory:
Type of Protection: **Intrinsic safety (Ex ia)**
Marking: **Ex ia IIC T5 Ga -25°C ≤ Ta ≤ +85°C**

Approved for issue on behalf of the IECEx
Certification Body:

Asle Kaastad

Position:

Certification Manager

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 www.iecex.com or use of this QR Code.



Certificate issued by:

DNV Product Assurance AS
Veritasveien 3
1363 Hovik .
Norway





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Manufacturer: **KONGSBERG MARITIME AS**
Skonnertvegen 1
Ranheim 7053
Norway

Additional
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 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

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:

[NO/DNV/ExTR21.0062/00](#)

Quality Assessment Report:

[NO/PRE/QAR18.0016/02](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The equipment is a water ingress sensor intended for water level detection on cargo holds, ballast tanks and dry spaces of bulk carriers. The sensor is completely encapsulated and installed in a steel tube.

Model: GL-10/....-CL....

Sensor type: GL-10/....

Cable length in decimetres: -CL....

Safety data

Ui: 25,5 V

Ii: 122 mA

Pi: 0,78W

Ci: 73nF

Li: Negligible

Power-supply and signal connection in separate circuits and by separate diode safety barriers with output characteristics corresponding to the above listed parameters.

The stated input values are Ui, Ii, and Pi are to regard as separate maximum values. It is a precondition that the supply barriers have linear resistive output characteristic.

SPECIFIC CONDITIONS OF USE: NO