



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 IMQ 23.0001** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2023-06-19

Applicant: **Consilium Marine & Safety AB**
Salmästaregatan 21
P.O. Box 8763
SE-402 76 Gothenburg
Sweden

Equipment: **Ex Safety Barrier / Isolator, model CD-GI Ex ic**

Optional accessory:

Type of Protection: **Intrinsic Safety**

Marking: **[Ex ic Gc] IIB**
[Ex ic Gc] IIA

Approved for issue on behalf of the IECEx
Certification Body:

Mr. Mauro CASARI

Position:

IMQ ExCB Manager

Signature:
(for printed version)

Date:
(for printed version)

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:

Istituto Italiano del Marchio di Qualità S.p.A
Via Quintiliano 43
20138 Milano
Italy





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Page 2 of 3

Date of issue: 2023-06-19

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Manufacturer: **Consilium Marine & Safety AB**
Salsmästaregatan 21
P.O. Box 8763
SE-402 76 Göteborg
Sweden

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:

[IT/IMQ/ExTR23.0001/00](#)

Quality Assessment Report:

[IT/IMQ/QAR16.0001/07](#)



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Page 3 of 3

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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

CD-GI Ex ic isolator is an associated apparatus containing both intrinsically safe and non-intrinsically safe circuits. The product is loop powered and transformer isolated. It provides interfacing between a standard fire detection loop and an intrinsically safe section of the loop. Mounting on standard DIN-Rail in Safe Area.

Intrinsic Safety parameters:

Input voltage range: 27 - 38 Vdc (Non-intrinsically safe side)

Um = 250 Vac

Uo = 28 V; Io = 62 mA; Po = 1,74 W; Ci = 5,14 nF; Li = negligible

Output parameters for Group IIB:

Co ≤ 590 nF; Lo ≤ 3 mH

Output parameters for Group IIA:

Co ≤ 2,1 μF; Lo ≤ 20 mH

Protection degree: IP20

Rated ambient temperature range: from -40°C to +60°C

SPECIFIC CONDITIONS OF USE: NO