



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 22.0006X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 1	Issue 0 (2022-12-22)
Date of Issue:	2023-07-25		
Applicant:	Consilium Marine & Safety AB Salsmästaregatan 21 P.O. Box 8763 SE-402 76 Gothenburg Sweden		
Equipment:	Smoke and heat detector, model CD-PH Ex ic		
Optional accessory:			
Type of Protection:	Intrinsically safe Ex i		
Marking:	Ex ic IIB T5 Gc		

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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Date of issue: 2023-07-25

Issue No: 1

Manufacturer: **Consilium Marine & Safety AB**
Salsmästaregatan 21
P.O. Box 8763
SE-402 76 Gothenburg
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/ExTR22.0006/01

Quality Assessment Report:

IT/IMQ/QAR16.0001/07



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

CD-PH Ex ic is an intrinsically safe addressable combined optical smoke and heat detector. The detector is equipped with two LED indicators giving clear visibility of the red local alarm indication.

Safety parameters

Ui = 28 VDC; Ii = 62 mA; Pi = 1,74 W; Ci = 178 pF; Li = negligible

Protection degree: IP44

Rated ambient temperature range: from -40°C to +70°C

SPECIFIC CONDITIONS OF USE: YES as shown below:

WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1:

- update of PCBA introducing new PCB (AUSTIN) with entire circuitry changed from Level of Protection Ex ia to Level of Protection Ex ic, safety related components removed when not required and few components changed;
- introduction of minor firmware and hardware changes not affecting intrinsic safety.