



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx EPS 18.0031X

Issue No: 0

Certificate history:

Issue No. 0 (2018-08-03)

Status: **Current**

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Date of Issue: **2018-08-03**

Applicant: **CM Hammar**
August Barks gata 15
421 32 Västra Frödlunda
Sweden

Equipment: **electronic remote release unit, Hammar H20 ERU**

Optional accessory:

Type of Protection: **special protection "s"**

Marking:
Ex sb IIC T4 Gb

Approved for issue on behalf of the IECEx
Certification Body:

Holger Schaffer

Position:

Certification Manager

Signature:
(for printed version)

Date:

2018-08-03



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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Bureau Veritas Consumer Products Services Germany GmbH
Businesspark A96
86842 Türkheim
Germany





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Manufacturer: **CM Hammar**
August Barks gata 15
421 32 Västra Frödlunda
Sweden

Additional Manufacturing location(s):

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 apparatus 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 60079-33 : 2012 Explosive atmospheres – Part 33: Equipment protection by special protection "s"
Edition:1.0

*This Certificate **does not** indicate compliance with electrical 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:

[DE/EPS/ExTR18.0027/00](#)

Quality Assessment Report:

[DE/EPS/QAR18.0003/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The electronic remote release system (ERRS) from company Hammar is meant to release life saving equipment (e.g. life rafts) on board of ships. It is operated via a control system (e.g. push button) that activates one or more electric remote release units Hammar H20 ERU. When a remote unit is activated, a sharp knife blade (powered by a pyrotechnical actuator) cuts the rope sling holding the life raft to be released.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- Ambient temperature: $-30\text{ }^{\circ}\text{C} < T_a < +65\text{ }^{\circ}\text{C}$
- WARNING - Potential electrostatic charging hazard: Highly charge generating processes have to be avoided.

Essential health and safety requirements:

The corresponding IEC standard was applied to the Hammar H20 ERU as far as applicable. The units contain pyrotechnical actuators on which the standard is not in detail applicable.

The H20 ERU must be operated with the ERRS (connection box, protection circuit, control unit and push-button) remote release system.

The system must be situated outside hazardous locations or must be designed explosion protected accordingly. The explosion protection of the system (connection box, protection circuit, control unit and push-button) was not matter of present certification.