



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

UNIT VERIFICATION

Certificate No.: **IECEX EPS 20.0038X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-06-22

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

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

Serial number(s) or Unique Identification: **I/A10000, I/A10001, I/A10002, I/A10003, I/A10004, I/A10005, I/A10006, I/A10007, I/A10008, I/A10009, I/A10010, I/A10011, I/A10012, I/A10013, I/A10014, I/A10015, I/A10016, I/A10017, I/A10018, I/A10019, I/A10020, I/A10021, I/A10022, I/A10023, I/A10024, I/A10025, I/A10026, I/A10027, I/A10028, I/A10029, I/A10030, I/A10031, I/A10032, I/A10033, I/A10034, I/A10035, I/A10036, I/A10037, I/A10038, I/A10039, I/A10040, I/A10041, I/A10042, I/A10043, I/A10044, I/A10045, I/A10046, I/A10047, I/A10048, I/A10049, I/A10050, I/A10051, I/A10052, I/A10053, I/A10054, I/A10055, I/A10056, I/A10057**

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

Marking: **Ex sb IIC T4 Gb**

Approved for issue on behalf of the IECEX
Certification Body:

Position:

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:

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
locations:

This Unit verification certificate is issued as verification that the Apparatus identified on page 1, was assessed and tested and found to comply with the IEC Standard list below. 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 60079-33:2012 Explosive atmospheres – Part 33: Equipment protection by special protection “s”
Edition:1.0

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:

DE/EPS/ExTR20.0040/00

Quality Assessment Report:

As this is a Unit Verification Certificate, no QAR is applicable as this certificate is specific to the items listed by serial number or other unique identification.



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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: $-30\text{ °C} \leq T_a \leq +65\text{ °C}$
- 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.