



Marine & Offshore

Certificate number: 04567/H0 BV

File number: AP 896

Product code: 3812H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

*This certificate is issued to***JUMO GmbH & Co. KG**

Fulda - GERMANY

*for the type of product***TEMPERATURE SENSORS / PROBES / TRANSDUCERS**

ATHs - SE - 2 / 20 / 70

ATHf - SE - 2 / 20 / 70

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships

*This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.***This certificate will expire on: 01 Feb 2026****For Bureau Veritas Marine & Offshore,**

At BV HAMBURG, on 01 Feb 2021,

Dirk Hoepfner



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarnb.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=qlwn3kwmui>

BV Mod. Ad.E 530 June 2017

This certificate consists of 2 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

Thermostats for Safety Shut-Off Function or as Normal Alarm Sensor.

Type: **ATHs - SE - 2 ; ATHs - SE - 20 ; ATHs - SE - 70**
ATHf - SE - 2 ; ATHf - SE - 20 ; ATHf - SE - 70

2. DOCUMENTS AND DRAWINGS:

- 68.262-F03.02.00.-3e (25/08/04); 68.261-F03.02.00-3h (31/08/04); 69.000.00.102-3o (21/09/99)
- 68.266-F03.02.00-3g (06/09/04); 69.000.00.106-3s (02/09/04); 68.262-F03.00.00 vers. 10 (26.06.2014)
- 68.262-F04.00.00 vers. 11 (12.06.2014)

For H0 version:

- Operating manual: B 603031.0 (V4.00/EN/00073788/2020-05-01)
- 68.261-F03.00.00 vers. 12 dated 23.05.2019; 68.261-F04.00.00 vers. 13 dated 23.05.2019
- 68.266-F03.00.00 vers. 11 dated 22.05.2019; 68.266-F04.00.00 vers. 12 dated 23.05.2019

3. TEST REPORTS:

Note: Documents filed in AP 896.

4. APPLICATION / LIMITATION:

4.1 - Bureau Veritas Rules and Regulations for the Classification of Steel Ships

4.2 - Approval valid for ships intended to be granted with the following additional class notations: **AUT-UMS, AUT-CCS, AUT-PORT** and **AUT-IMS**.

4.3 - When a thermostat is fitted in a system for safety shut-off, another thermostat is to be provided for alarm purpose.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The above mentioned products are to be supplied by **JUMO GmbH & Co. KG** in compliance with the type described in this certificate.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.

5.3 - **JUMO GmbH & Co. KG** has to make the necessary arrangements to have its works recognized by Bureau Veritas in compliance with the requirements of NR320 for HBV products:

JUMO GmbH & Co. KG
Moritz-Juchheim-Str. 1
36039 Fulda
GERMANY

6. MARKING OF PRODUCT:

- Maker's name or trademark
- Equipment type or model identification
- Date of manufacture and/or serial number

7. OTHERS:

7.1 - It is the responsibility of **JUMO GmbH & Co. KG** to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2 - This certificate supersedes the Type Approval Certificate N° 04567/G0 BV issued on 12 Feb 2016 by the Society.

*** END OF CERTIFICATE ***