



Marine & Offshore

Certificate number: 07682/F0 BV

File number: AP 3071

Product code: 3812H

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

www.veristar.com

TYPE APPROVAL CERTIFICATE

This certificate is issued to

DANFOSS A/S

NORDBORG - DENMARK

for the type of product

TEMPERATURE SENSORS / PROBES / TRANSDUCERS

Type: RT 101.

Requirements:

BV Rules for the Classification of Steel Ships.

EC Code: 31/41

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 May 2028

For Bureau Veritas Marine & Offshore,

At BV FREDERICIA, on 01 May 2023,

Jesper JENSEN

This certificate was created electronically and is valid without signature



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.veristarm.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=bgahseq3lo>

BV Mod. Ad.E 530 June 2017

This certificate consists of 2 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

Temperature Switch

Type: **RT 101.**

2. DOCUMENTS AND DRAWINGS:

Data sheet IK.20.D8.02 Danfoss 5/95.

Drawings Nos 017R0450, 017R0452, 017R0459, 017R0759, 027M0024.

Data sheet N° IC.PD.P10.1E.02_520B8147, dated Oct 2017.

Document N° AI245286497322en-000301, dated Mar 2021.

3. TEST REPORTS:

DANFOSS A/S:

Test report N° 980137, dated 07 Apr 1998.

BOSMAL Automotive Research and Development Institute Ltd:

Test report N° BOS/1598/BE/17, dated 21 Apr 2017.

4. APPLICATION / LIMITATION:

4.1 - BV Rules for the Classification of Steel Ships.

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

4.3 - The fitting aboard to be the same as used for the test.

4.4 - BUREAU VERITAS Environmental Category, EC Code: 31/41

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The above products are to be supplied by **DANFOSS A/S** 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 - **DANFOSS A/S** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.

5.4 - For information, **DANFOSS A/S** has declared to Bureau Veritas the following production site:

Danfoss Poland Sp. z o.o.
ul. Chrzanowska 5
05-825 GRODZISK MAZOWIECKI
POLAND

6. MARKING OF PRODUCT:

- Maker's name or trademark.

- Serial number of the units.

- Equipment type number or model identification under which it was type-tested.

7. OTHERS:

7.1 - It is **DANFOSS A/S**'s responsibility 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° 07682/E0 BV issued on 25 Jun 2018 by the Society.

*** END OF CERTIFICATE ***