



TYPE APPROVAL CERTIFICATE

Certificate No. : DLN34014-AE002

Initial Approval : 1st July, 2015.

Product : Temperature Sensors

Manufacturer : Danfoss(Tianjin) Ltd.

Wqing Development Area 9 Quanghai Road, 301700 Tianjin China

Product Description : Type : MBT 5250/5252/5253/5260/5310/5410

MBT 5310/5253/5250/5260 Customized

" See Appendix 1 "

Approval Condition :

1. This approval is granted on the basis of the test report no. 2006-2299 issued by Danfoss Laboratory.
2. The product or packing is to be marked with the manufacturer's name and type designation on a suitable position.
3. Individual Product Certification is not required.

THIS IS TO CERTIFY that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows and entered in the "List of Approved Manufacturers and Type Approved Equipment".

Pt. 6, Ch. 2, Art. 301 of the Rules for Classification, Sreel Ships.

This Certificate is valid until 30th June, 2020.

Issued at Shanghai, China on 1st July, 2015.



KOREAN REGISTER OF SHIPPING

*General Manager of
Technical Support Team
CHINA KR Co., Ltd.*

Note : 1 : The approval will be automatically suspended and the Certificate become invalid from the expiry date of the Certificate in the event that the extension has not been granted or the renewal of the Certificate is not underway.

2 : The manufacturer should notify this Society of any modification or changes that may affect the validity of this Certificate.

Product Description and/or Approval Condition

Certificate No : DLN34014-AE002

Date of Issue : 1st July, 2015.

Product Description ;

1) General Specification ;

| Type | Sensor Element | Temperature Range (°C) | Insert | Insertion Length (mm) | Extension Length (mm) | Application |
|----------|-------------------|------------------------|---------|-----------------------|-----------------------|------------------------|
| MBT 5250 | Pt 100 Pt 1000 | -50 ~ 200 | MBT 150 | 50 up to 500 | 50 | Universal Temp. Sensor |
| MBT 5252 | Pt 100 | -50 ~ 200 | MBT 152 | 50 up to 500 | 50 | Universal Temp. Sensor |
| MBT 5253 | Pt 100 Pt 1000 | -50 ~ 200 | MBT 153 | 50 up to 500 | | Universal Temp. Sensor |
| MBT 5260 | Pt 100 Pt 1000 | -50 ~ 200 | Fixed | 50 up to 250 | 50 | Universal Temp. Sensor |
| MBT 5310 | Pt 100 | -50 ~ 200 | | 60 up to 300 | | Bearing |
| MBT 5410 | Pt 100 | -50 ~ 100 | | 100 | | Room |

2) MBT 5310/5253/5250/5260 Customized ;

- Data sheet / Engineering sheet No. : 090518-5, 090206-5, 09428-5, 100128-5
- Drawing / Spec. No. : 084Z9115, 084R2037, 084Z3238, 084R2016, 084Z9002, 084R2034
- Vibration & shock test report No. : 2008-2142, T205006(2013.03.15)
- Environmental test report No. : 084Z3025(2012.11.07) for MBT 5310

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