



# Type Approval Certificate

[ Temperature Sensors ]

**Initial Approval** 1 July 2015

**Manufacturer** Danfoss (Tianjin) Ltd.

Wuqing Development Area 9 Quanhui Road, 301700 Tianjin China

**Product Description** Type : MBT 5550, MBT 5560

- Sensing element : Pt 100 / Pt 1000
- Temperature range : -50 ~ 200 °C (with extension length)
- Output signal : 4 ~ 20 mA or Ratiometric
- Power supply : 10 to 32 V DC or ratiometric, 4.75 to 8 V DC
- Insertion length : 50 ~ 250 mm
- Data sheet : IC.PD.P30.F8.02
- Test reports : TR084Z0 (-29, -30, -31), 4-969482, TR DIV 084Z-032, 121-29917-1, 121-32519-1
- Approved Drawings : 084R6015 ver. 01, MBT 5550 ver.00, 084M1036

\* Applicant : Danfoss A/S  
Nordborgvej 81, DK-6430 Nordborg, Denmark

- Approval Condition**
1. The product or packing is to be marked with the manufacturer's name and type designation on a suitable position.
  2. 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.

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

This Certificate is valid until 30 June 2025

Issued at Shanghai, China on 31 March 2023



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No(ME23014155461) and certificate No.(DLN34014-AE004).



**KOREAN REGISTER**

*General Manager of  
China Plan Approval Center  
CHINA KR Co., Ltd.*

- Note :**
1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.
  2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.
  3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.
  4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.