



TYPE APPROVAL CERTIFICATE
No. ELE136011XG

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	Temperature sensors
<i>Type</i>	MBT 5250 MBT 5252 MBT 5253 MBT 5260 MBT 5310 MBT 5410 MBT 5722.
<i>Applicant</i>	DANFOSS A/S Nordborgvej 81 DK-6430 Nordborg (office E14-S1) DENMARK
<i>Manufacturer</i>	DANFOSS A/S
<i>Place of manufacture</i>	Nordborgvej 81 DK-6430 Nordborg (office E14-S1) DENMARK
<i>Reference standards</i>	Rules for the Classification of Ships - Part C - Machinery, Systems and fire protection - Ch.3, Sect.6, Tab.1.

Issued in **HAMBURG** on **November 23, 2011**. This Certificate is valid until **November 22, 2016**

RINA
Daniele Chirulli

This certificate consists of this page and 1 enclosure



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MBT 5250

MBT 5252

MBT 5253

MBT 5260

MBT 5310

MBT 5410

MBT 5722.

Description:

- Stern tube sensor type MBT 5722 (up to 200°C media temperature with Pt 100 resistance element)
- Temperature room sensor and temperature transmitter type MBT 5410 (temperature range from -50 to +70°C)
- Bearing temperature sensor type MBT 5310 with bayonet connection.
- Universal temperature sensor with interchangeable insert and bayonet connector, type MBT 5250, 5260 (up to +200°C media temperatures)
- Temperature sensor with interchangeable insert type MBT 5252 (up to +400°C media temperatures)
- Temperature sensor cable mounted type MBT 5253 (temperature range: -50°C to 250°C)

Reference Documents

- Techn. Brochure: Stern tube sensor, type MBT 5722 K.PD.P30.M3.02
- Danfoss Techn. Brochure IC.PD:P30.J3.02 (MBT 5410)
- Danfoss Data Sheet IC.PD.P30.I1.02-52081912 (MBT 5250, MBT 5260, MBT 5252)
- MBT 5250.zip, MBT 5260.zip, MBT 5253.zip, MBT 5310.zip (Engineering sheets und drawings)

Test Reports:

Danfoss Test Report No.:2008-2142, dated of 2008-03-11

Remark:

Following inserts for temperature are to be used:

- MBT 150 for sensors type MBT 5250
- MBT 152 for sensors type MBT 5252
- MBT 153 for sensors type MBT 5253
- Fixed insert for MBT 5260

This certificate replace the previous certificate ELE030010CS/010

HAMBURG November 23, 2011



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