



**TYPE APPROVAL CERTIFICATE**  
No. ELE071320XP/002

**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>	<b>Temperature transmitters</b>
<i>Type</i>	<b>Series MBT 5560</b>
<i>Applicant</i>	<b>DANFOSS A/S Nordborgvej 81 DK-6430 Nordborg (office E14-S1) DENMARK</b>
<i>Manufacturer</i>	<b>DANFOSS A/S - DANFOSS (TIANJIN) LTD.</b>
<i>Place of manufacture</i>	<b>WUQUING DEVELOPMENT AREA, 9 QUANHUI ROAD 31700 Tianjin (Tianjin) CHINA</b>
<i>Reference standards</i>	<b>Rules for the Classification of Ships - Part C - Machinery, Systems and fire protection - Ch.3, Sect.6, Tab.1.</b>

Issued in **Gdańsk** on **October 9, 2020**. This Certificate is valid until **October 8, 2025**



  
RINA Services S.p.A.  
**Jaroslaw Kondracki**

This certificate consists of this page and 1 enclosure





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Series MBT 5560

MBT 5560 temperature sensor with integrated transmitter, designed for use in harsh maritime environments

*Description:*

Measuring range	-50 to 200°C
Power supply voltage	10 to 32Vcc (4-20mA) and 4.75 to 8Vdc (Ratiometric)
Output signal	4-20 mA or Ratiometric
Accuracy	±0.5% F.S. (typ.)
Protection tube	AISI 316 TI
Extension length	0 or 33 mm
Insertion length	50 to 250 mm
Transmitter setting	- 50°C to 200°C, min. Span 25°C
Process connection	G 1/4 A or larger , M14 or larger, NPT 1/4 - 18 or larger
Electrical connection	plug EN 175301/803, PG9 plug AMP Econoseal, J series, male plug IEC 947-5-2, M12x1, male screened cable 2m

*Reference document:*

Danfoss data sheet: doc. n° IC.PD.P30.F8.02 dated 2019-04.

*Test Reports:*

Mechanical , Climatic, EMC according to IACS UR E10 in force.

This certificate annuls and replaces the previous one n° ELE006715XG/002

Gdańsk October 9, 2020



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