



**TYPE APPROVAL CERTIFICATE**

No.  
**ELE086320XG/004**

**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 switches</b>
<i>Type</i>	<b>Series RT</b>
<i>Applicant</i>	<b>DANFOSS A/S Nordborgvej 81 DK-6430 Nordborg (office E14-S1) DENMARK</b>
<i>Manufacturer</i>	<b>DANFOSS POLAND SP. Z.O.O.</b>
<i>Place of manufacture</i>	<b>UL. CHRZANOWSKA 5 PL-05-825 GRODZISK MAZOWIECKI POLAND</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 **HAMBURG** on **July 15, 2020**. This Certificate is valid until **July 14, 2025**

  
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**RINA Services S.p.A.**  
**Giuseppe Russo**

This certificate consists of this page and 1 enclosure

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Series RT

The temperature controls incorporate a temperature controlled, single-pole changeover switch where the contact position depends on the temperature of the sensor and the set scale value.

The RT series consists of temperature controls with room sensors, duct sensors and capillary tube sensors for general industrial and marine applications.

### Temperature switches with cylindrical remote sensors Series RT

Type	Setting range (°C)	Adjustable differential range °C		Max temp. °C
		at lowest range set. (°C)	at highest range set. (°C)	
RT 10	-60 → -25	1.7 → 7	1 → 3	150
RT 9	-45 → -15	2.2 → 10	1 → 4.5	150
RT 13	-30 → 0	1.5 → 6	1 → 4	150
RT 3	-25 → 15	2.8 → 10	2.5 → 9	150
RT 2	-25 → 15	5 → 18	6 → 20	150
RT 7	-25 → 15	2 → 10	2.5 → 14	150
RT 8	-20 → 12	1.5 → 7	1.5 → 7	145
RT 12	-5 → 10	1 → 3.5	1 → 3	65
RT 14	-5 → 30	2 → 8	2 → 10	150
RT 23	5 → 22	1.1 → 3	1 → 3	85
RT 15	8 → 32	1.6 → 8	1.6 → 8	150
RT 101	25 → 90	2.4 → 10	3.5 → 20	300
RT 106	20 → 90	4 → 20	2 → 7	120
RT 107	70 → 150	6 → 25	1.8 → 8	215
RT 120	120 → 215	7 → 30	1.8 → 9	260
RT 123	150 → 250	6.5 → 30	1.8 → 9	300
RT 124	200 → 300	5 → 25	2.5 → 10	350

### Temperature switches with duct or capillary tube sensor Series RT

Type	Setting range (°C)	Adjustable differential range		Max temp. (°C)
		at lowest range set. (°C)	at highest range set. (°C)	
RT 17	-50 → -15	2.2 → 7	1.5 → 5	100
RT 11	-30 → 0	1.5 → 6	1 → 3	66
RT 34	-25 → 15	2 → 10	2 → 12	100
RT 4	-5 → 30	1.5 → 7	1.2 → 4	75
RT 115	10 → 35	see spec.	see spec.	92
RT 103	10 → 45	1.3 → 7	1 → 5	100
RT 140	15 → 45	1.8 → 8	2.5 → 11	240
RT 102	25 → 90	2.4 → 10	3.5 → 20	300

#### Differential temperature switch type RT 270

Setting: 0 → 15 °C ; mechanical diff. 2°C ; operating range -30 → 140 °C ; Max temp 65°C

#### Reference Documents:

Technical brochure: IC.PD.P10.E3..02 / 520B4871; Danfoss temperature controls Type RT;

#### Test Report:

Test report no. 307.02/NZL/NBW/2014/0 for flammability test

*This certificate replace the previous certificate ELE013915XG/001.*



**HAMBURG July 15, 2020**

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