



NIPPON KAIJI KYOKAI

TYPE APPROVAL CERTIFICATE FOR AUTOMATIC DEVICES AND EQUIPMENT

Certificate No. TA14268M

This is to certify that the undernoted product(s) has/have been approved in accordance with the requirements specified in Chapter 1, Part 7 of "Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use" and the relevant Society's Rules.


This certificate is issued to

Applicant: **Danfoss A/S**
Place of Applicant: **DK-6430, Nordborg, Denmark**
Manufacturer: **Danfoss Sp. z o.o**
Place of Manufacturing: **U1. Chrzanowska 5 05-825 Grodzisk, Poland**
Product description: **Thermostats**
Model: **RT2, RT3, RT7, RT10, RT12, RT13, RT14, RT15, RT23, RT26,
RT101, RT106, RT107, RT108, RT120, RT123, RT124**
Approval No.: **84A104**
Valid until: **15 February 2019**

This certificate is subject to the conditions specified in the attached sheet(s).

Issued at Tokyo on 16 February 2014.




Y. Shibata
General Manager
Machinery Department

Note: The manufacturer, if desired, is requested to apply to the Society for renewal prior to the expiration date.

Test items & approval conditions:

1. Test items:

(Applied testing items are marked with X.)

ENVIRONMENTAL TESTS		Mark
External examination		X
Operation test and performance test		X
Electric power supply failure test		--
Power supply fluctuation test	Electric	--
	Pneumatic and Hydraulic	--
Insulation resistance test		X
High voltage test		X
Pressure test (Pneumatic and Hydraulic)		--
Dry heat test (Temperature 55°C × 16 hours + 70°C × 2 hours)		X
Damp heat test		X
Vibration test (Acceleration $\pm 4.0g \times 1.5$ hours) for RT106, RT107, RT120, RT123		X
Inclination test		X
Cold test (Temperature -25°C × 2 hours)		X
Salt mist test		--
Electrostatic discharge immunity test		--
Radiated radio frequency immunity test		--
Conducted low frequency immunity test		--
Conducted high frequency immunity test		--
Burst / Fast transient immunity test		--
Surge immunity test		--
Radiated emission test		--
Conducted emission test		--
Flame retardant test		X

2. Approval condition:

The product is not allowed to be installed on open decks.