NIPPON KAIJI KYOKAI

TYPE APPROVAL CERTIFICATE
FOR AUTOMATIC DEVICES AND EQUIPMENT

Certificate No. TA15275M

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**
Manufacturer:	**Danfoss Poland Sp. z o.o**
Place of Manufacturing:	**U1. Chrzanowska 5 05-825 Grodzisk Mazowiecki Poland**
Product description:	**Block Thermostat**
Model:	**MBC 8100**

Approval No.:	**04A025**
Valid until:	**26 May 2020**

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

Issued at Tokyo on   27 May 2015.

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.

Specification & documents:

1. Ratings:

    Temperature setting range   -10~200℃

2. Documentation:

    061R9014, 061B9014

    Test Report No. 196/NZL/NBW/2010/O

    Data sheet: IC.PD.P10.D6.02 / 520B5807

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		X
Dry heat test		X
Damp heat test		X
Vibration test		X
Inclination test		X
Cold test		X
Salt mist test		X
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.

- The End -