



NIPPON KAIJI KYOKAI

COPY

TYPE APPROVAL CERTIFICATE FOR AUTOMATIC DEVICES AND EQUIPMENT

Certificate No. TA25601M

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 Nordborgvej 81, DK-6430 Nordborg, Denmark
Manufacturer:	Danfoss Poland Sp. z o.o U1. Chrzanowska 5, 05-825 Grodzisk Mazowiecki, Poland
Product description:	Block Thermostat
Model:	MBC 8100
Approval No.:	04A025
Valid until:	26 May 2030

The details are described in the attached sheet(s).

Issued at Tokyo on 11 September 2025.

S. Oishi
General Manager
Machinery Department

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

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Attached sheet -1/2 to the Certificate No. TA25601M

Specification & documents:

1. Ratings:

Temperature setting range: -10 ~ 150 °C

2. Components and reference drawings:

Data Sheet: AI224986437571en-001001

Ass'y drawing: 061R9014 Rev.03

061B9014 Rev.07

3. Documentation and Test Reports:

Danfoss Test Report (Doc No. MBC 3-921622, 2006-04-21)

SGS Test Report (Doc No. 274463-1, 2014-06-10)

IEL Test Report (Flame Test) (Doc No. 196/NZL/NBW/2010/O, 2010-10-08)

ITE Test Report (Flame Test) (Doc No. BS-3/084/B/19, 2019-07-15)

- To be continued -

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Attached sheet -2/2 to the Certificate No. TA25601M

Test items & approval conditions:

1. Test items:

(Applied testing items are marked with X.)

ENVIRONMENTAL TESTS (IACS UR E10 Rev.9 basis)		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 (Temperature 70°C × 16 hours)		X
Damp heat test		X
Vibration test (5 - 200Hz, Acceleration ±4.0g × 2 hours)		X
Inclination test		--
Cold test (-25°C × 16 hours)		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 (Ta = 30sec)		X

2. Approval condition:

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

- The End -