Certificate No: LR26425497TA
Issue Date: 03/09/2026
Expiry Date: 28/04/2031

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**Danfoss A/S**
Address	Nordborgvej 81, Nordborg, 6430, Denmark
Place of Production	Danfoss Poland Sp. z o.o. ul. Chrzanowska 5, Grodzisk Mazowiecki, 05-825, Poland
Type	Switches - Pressure
Description	The RT pressure switches are single-pole double-throw (SPDT) switches
Trade Name	RT 5, RT 110, RT 112, RT 116, RT 117, RT 200
Application	Marine, Offshore and Industrial applications for use in environmental categories ENV1, ENV2 and ENV3, as defined in Lloyd's Register Type Approval System, Test Specification Number 1 – July 2024.
Specified Standard	EN 60947-1: 2024 EN 60947-4-1: 2023 EN 60947-5-1: 2024 IACS E10 Rev. 10 / 2024
Ratings	Operating pressure range: RT 5: 4 to 17 bar RT 110: 0.2 to 3 bar

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CHETAN WAGH

Senior Specialist Electrical & Control to Lloyd's Register Marine and Offshore India LLP

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Type Approval Certificate

RT 112: 0.1 to 1.1 bar
RT 116: 1 to 10 bar
RT 117: 10 to 30 bar
RT 200: 0.2 to 6 bar

Contact load at 400 VAC:
AC-1: 10 A
AC-3: 4 A
AC-15: 3 A

Contact load at 220 VDC:
DC-13: 12 W

Additional Tests

Low temperature -25 °C / 16 h
Enclosure test IP 66

Other Conditions

Type Approval does not eliminate the need (as required by LR Rules) the requirements for further review or for the product to be further inspected and/or surveyed to be installed in ships classed or intended to be classed with LR.

If the specified standards are amended during the validity of this certificate, the product is to be reapproved prior to it being supplied to vessels to which the amended standards apply.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register Marine and Offshore India LLP of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: LR21397405TA

The Design Appraisal Document TSO/26-055919-E-01 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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