Certificate No: LR25148288TA
Issue Date: 29/04/2025
Expiry Date: 28/04/2030

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	**Daehwa Engineering Sensor Co., Ltd.**
Address	71-10, Gomo-ro 526beon-gil, Jillye-myeon, Gimhae-si, Gyeongnam, 50875, South Korea
Type	Switches - Level
Description	Top Mounting Level Switch Side Mounting Level Switch LS-SM-D1 LS-SM-D3 LS-TM LS-TM-C
Trade Name	Level Switches (float type)
Application	Marine applications for use in environmental categories ENV1, ENV2 and ENV3 as defined in LR Type Approval System Test Specification No.1 - 2024
Additional Tests	Low temperature test at -25°C for 16 hours Degrees of protection IP56 Dry heat test at 100°C for 16 hours
Other Conditions	1. Type approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

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A member of the Lloyd's Register group

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2. If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.
3. (In case of applications other than marine) The application of the type approval certificate will be limited to the relevant scope of the specified standard and acceptance thereof by the local authorities.

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 Asia of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: LR2080258TA

The Design Appraisal Document LR25148288TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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