Certificate No: LR2648311TA
Issue Date: 15/06/2026
Expiry Date: 12/11/2030

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	**MOELLER ELECTRIC (JIANGYIN) CO.,LTD**
Address	No.10 Xiqiao Road, Chengjiang street, Jiangyin, 214405, China
Place of Production	MOELLER ELECTRIC (JIANGYIN) CO.,LTD No.10 Xiqiao Road, Chengjiang street, Jiangyin, 214405, China
Type	Alarm And Monitoring Systems
Description	Engine room alarm light column system
Trade Name	E/R Group Alarm Light Column System
Application	Marine application for use in environmental category ENV1, ENV2 as defined in LR Type Approval Test Specification No. 1 July 2024
Specified Standard	Manufacturer's product specification Code on Alerts and Indicators 2025
Ratings	Power Supply: AC 220 V, 50 /60 HZ System Composition:

Component	Type	IP code
Alarm Relay Box	ALC-220/R	IP 44
Alarm Light Column	ALC-220/C	IP 44

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Andrei Petrov

Electrical & Control - Lead Specialist to
Lloyd's Register EMEA
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	ECC Repeater	ALC-24/E	IP 22

Additional Tests Enclosure tests (IEC60529) for components of ER alarm light column system

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

Previous Version: LR2046750TA

The Design Appraisal Document TSO/25-050951-E-01 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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