Certificate No: LR26314597TA
Issue Date: 02/08/2026
Expiry Date: 01/08/2031

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	**LIAOYANG SHUANGHUA INSTRUMENT Co.,Ltd.**
Address	No.122 Middle Rongxing Road, Taizi River District, Liaoyang, 111000, China
Place of Production	LIAOYANG SHUANGHUA INSTRUMENT Co.,Ltd. No.122 Middle Rongxing Road, Taizi River District, Liaoyang, 111000, China
Type	Switches - Level
Description	Liquid Level Controller UQK-01-C, Side mounted; UQK-02-C, Side mounted; UQK-03-C, Top mounted; UQK-651-C, Side mounted; UQK-652-C, Top mounted;
Trade Name	UQK series
Application	Marine applications for use in environmental categories ENV3 in the “General Power Distribution Zones” as defined in LR Type Approval System Test Specification No. 1 July 2024 where the Test Specification is satisfactory for the intended operation.
Specified Standard	Manufacture’s specification:Q/LSH03-2013

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CHETAN WAGH

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

Units 1702-1704, 17th Floor (Level-13), Building Q2, Aurum Q Parc; Gen 4/1 TTC, Thane-Belapur Road, Ghansoli, Navi Mumbai, 400710, India

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Ratings

Type	Switch difference
UQK-01-C	0-8mm
UQK-02-C	25-550mm
UQK-03-C	8-1000mm
UQK-651-C	20-70mm
UQK-652-C	10-40mm

Working pressure ≤ 1.0 MPa
Working temperature ≤ 150°C
Rated Voltage: AC 220V, 50/60Hz; DC24V;
Contact Capacity: 1A (resistive); 0.5A (inductive)
Ingress Protection: IP 68
Material of Float-ball: SUS304

Additional Tests

Low Temperature Test: -25°C ±2 °C for 16 hours;
Enclosure Protection Test (IEC 60529-2001): IP68;

Other Conditions

1. 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.

2. 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: LR21327909TA

The Design Appraisal Document TSO-25-031593-E-01 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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