Certificate No: LR2004416TA
Issue Date: 02/01/2020
Expiry Date: 01/01/2025

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	**Shanghai DONJUN Automation Equipment Co., Ltd.**
Address	No. 1578 Zhaogao Road, Pudong, Shanghai, China
Place of Production	Shanghai DONJUN Automation Equipment Co., Ltd. No. 1578 Zhaogao Road, Pudong, Shanghai, China
Type	Water Level Indication System
Description	Water Level Detectors on Bulk Carriers DJC-HJ-I, comprising: Alarm Panel Safety Barrier: Type LF701 Ex(ia) IIC Pressure Type Level Sensor: Type STK333 Ex ia IIC T6, IP68
Trade Name	DJC-HJ-I
Application	Marine applications for use in environmental categories ENV5 for level sensor, ENV3 for alarm panel and safety barrier as defined in LR Type Approval Test Specification No.1 2013, where the test specification is satisfactory for the intended operation.
Specified Standard	SOLAS Chapter II-1/25 and Chapter XII/12, Resolution MSC 188.(79)

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Ning Guan

Specialist to Lloyd's Register Classification Society (China) Co Ltd
A member of the Lloyd's Register Group

19th Floor, 550 Yan An dong Road, Shanghai,
Huangpu District, China

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IACS UI SC180(Rev.3 Mar 2012)

Ratings	Power Supply: Main source: AC 220/110V, 50/60Hz Emergency Source: DC 24V
Additional Tests	Level Switch is tested to Enclosure protection in sea water mixture with iron ore, coal, sand and grain particles

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 Classification Society (China) Co Ltd of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document No. LR2004416TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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