Certificate No: LR25257543TA
Issue Date: 21/10/2025
Expiry Date: 20/10/2030

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	**Endress+Hauser SE + Co. KG**
Address	Hauptstrasse 1, 79689 Maulburg, Germany
Type	Switches - Level
Description	Level switch for liquids
Trade Name	Liquiphant FTL43
Application	Marine, Offshore and Industrial applications for use in environmental categories ENV1, ENV2, ENV3, ENV4 and ENV5 (except with output: DC PNP, IO-Link), as defined in Lloyd's Register Type Approval System, Test Specification Number 1 – 2024.
Specified Standard	Manufacturer's specification IACS unified requirements E10 (Rev.9 Aug 2023)
Ratings	Output: 2-wire 8/16mA HART DC PNP, IO-Link (not for bridge/deck zone) Display: LED LED with control button (with or without Bluetooth) Electrical connection: Plug M12 Process Connection: Thread (except < 3/4'') Flange

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Thorsten Wolff

Electrical & Control - Senior Specialist to
Lloyd's Register EMEA
A member of the Lloyd's Register group

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Probe:	Compact Short Tube extension Tube extension (max. 1500mm)
Firmware:	01.00.zz, HART 7, DevRev01 01.00.zz IO-Link SSP 4.3

Other Conditions Ratings for application in hazardous areas are to be obtained from the applicable Ex Certificates.

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.

The Design Appraisal Document TSO-24-019924/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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