Certificate No: LR26327188TA
Issue Date: 03/09/2026
Expiry Date: 02/09/2031

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	**Tyco Fire & Security GmbH**
Address	Victor Von Bruns-Strasse 21, Neuhausen am Rheinfall, 8212, Switzerland
Place of Production	Tyco Fire & Security Czech Republic s.r.o. Osvobození 363, Ráječko, Rájec – Jestřebí, 679 02, Czech Republic
Type	Fire And Gas Detection Alarm And Control Systems
Description	Intrinsically Safe Addressable Optical and Heat Detector: 801PH Ex - Intrinsically safe detector M U BEx - Intrinsically safe base 5BI - 5" Isolator base 5BEx 5" - Universal intrinsically safe base EXI800 - Loop Interface Module
Trade Name	MZX Fire detection System 800 Series: 801PHEx, MUBEx, 5BI, 5BEx 5", EX1800
Application	Marine and offshore applications in environmental categories ENV1, ENV2 and ENV3 as detailed in Lloyd's Register Test Specification No1, 2020 where the test is satisfactory for the intended operation
Specified Standard	EN54-5: 2018 EN54-7: 2018 EN54-17:2005 including AC:2007 EN 60079-0:2012+A11:2013

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Hrishikesh Rajeev

Electrical & Control Engineer to Lloyd's Register Marine and Offshore India LLP
A member of the Lloyd's Register group

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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EN 60079-11:2012
IACS UR E10 Rev.10 2024

Other Conditions

Specific Conditions of Use as stated in applicable Ex-certificates shall be observed when installed in hazardous areas. The Ex-certification does not form part of this certificate.

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 Marine and Offshore India LLP of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: LR21486464TA

The Design Appraisal Document TSO-26-060155-E-03 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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