



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	Apollo Fire Detectors Ltd
Address	36 Brookside Road, Havant, PO9 1JR, United Kingdom
Type	Smoke Detection and Alarm System
Description	55000-640 Intrinsically Safe Photoelectric Smoke Detector
Trade Name	XP95 IS Series Detectors
Application	Marine and Offshore use in environmental categories ENV1, ENV2, ENV3 and ENV4 as defined in LR Type Approval System Test Specification No.1:2021
Specified Standard	EN54-5:2017 + A1:2018 EN54-7:2018 IEC 60079-0:2017 IEC 60079-11:2023
Ratings	• Fixed installation • IP20 • $-20^{\circ}\text{C} < T_a < +60^{\circ}\text{C}$
Additional Tests	Hazardous areas: Ex ia IIC T4 / T5 Ga ($-20^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$) Ex ia IIIC T135°C Da ($-20^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$)

Ashwinikumar Mhamal

Electrical & Control Technical Manager -
Africa, Middle East & India, Lead Specialist to
Lloyd's Register Marine and Offshore India

Units 1702-1704, 17th Floor (Level-13), Building
Q2, Aurum Q Parc; Gen 4/1 TTC, Thane-Belapur
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Other Conditions

1. An LR Type Approved Safety Barrier must be placed between the unit and the control and indicating equipment.
2. An APOLLO single channel protocol translator (55000-855) or dual channel protocol translator (55000-856) must be inserted between the safety barrier and the control and indicating equipment.
3. The enclosure and junction box or connector body may constitute a potential electrostatic ignition risk and must not be rubbed or cleaned with a dry cloth.
4. 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
5. 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: LR21354105TA-03

The Design Appraisal Document TSO-26-056519-E-01 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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DESIGN APPRAISAL DOCUMENT

Page 1 of 2

Certificate No: LR26189446TA

Reference: TSO-26-056519-E-01

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR26189446TA

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions, and this Design Appraisal Document forms part of the Certificate.

This Certificate is a Renewal of Certificate Number LR21354105TA-03

APPROVAL DOCUMENTATION

Unnumbered	Application Checklist	02.03.2026
Unnumbered	Request for Marine Services – Type Approval	06.03.2026
LR21354105TA-03	Previous Type Approval Certificate	16.09.2024
PRJ11100489518	Production Quality Assessment	21.08.2025
Unnumbered	Client confirmation- No Change in Product	27.04.2026

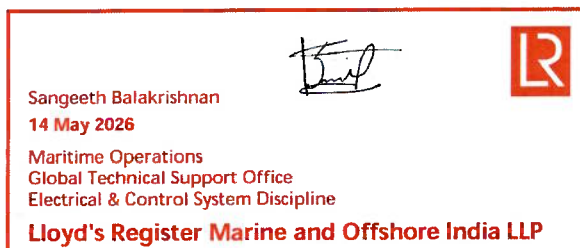
Also, all documentation listed on Design Appraisal Document associated with Type Approval Certificate LR21354105TA-03.

OTHER CONDITIONS

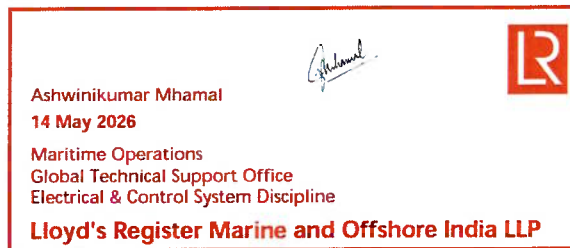
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PLACE OF PRODUCTION

Apollo Fire Detectors Ltd
36 Brookside Road, Havant, PO9 1JR, United Kingdom



LR032.2022
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DESIGN APPRAISAL DOCUMENT

Page 2 of 2

Certificate No: LR26189446TA

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Supplementary Type Approval Terms and Conditions

This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s)

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