Certificate No: LR25176451TA
Issue Date: 30/06/2025
Expiry Date: 29/06/2030

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	**Autronica Fire & Security AS**
Address	Bromstadvegen 59, Trondheim, 7047, Norway
Type	Fire And Gas Detection Alarm And Control Systems
Description	Fire detection and alarm system AutroSafe 4 comprising following components: BS-420 Fire alarm control panel BS-420M Fire alarm control panel BS-420G Fire alarm control panel BS-420G2 Fire alarm control panel BC-420 Controller BC-440 Controller BS-430 Operator panel BU-420 Repeater panel BV-420 Repeater panel BP-405 Power Cabinet BPS-405 Power supply unit BPS-410 Power supply unit BSD-321 AutroFieldBus BU-110 Fire brigade loop panel BV-110 Information loop panel
Trade Name	AutroSafe 4
Application	Marine, offshore and industrial applications suitable for use in environmental

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Ashwinikumar Mhamal

Electrical & Control Technical Manager - Africa, Middle East & India 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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categories ENV1, ENV2 and ENV3 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – 2013.

Specified Standard

EN 54-2:1997+A1:200
EN54-4:1997+A1:2002+A2:2006
IACS unified requirements E10 (Rev.7 Oct 2018)

Additional Tests

Low temperature test:(-15°C/16h) except BU-110, BV-110
Enclosurerating: IP32

Other Conditions

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: LR2025079TA

The Design Appraisal Document TSO-25-038722-E-01 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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