Certificate No: LR2465467TA
Issue Date: 05/06/2024
Expiry Date: 31/05/2029

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
Place of Production	Autronica Fire & Security AS Bromstadvegen 59, Trondheim, 7047, Norway
Type	Fire Detection Alarm Systems
Description	Manual call points with SelfVerify for fire detection systems
Trade Name	BF-300V2, BF-500V2/EX, BF-501, BF-501/Ex, BF-502, BF-502/N, BF-502/Ex, BF-510WP-H
Application	Marine, offshore and industrial applications suitable for use in environmental categories ENV1, ENV2, ENV3 and ENV 5 (1) as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – July 2021. (1) ENV 5 only for BF-501, BF-501/Ex,BF-502, BF-502/N and BF-502/Ex
Specified Standard	IEC 60092-504: 2016 EN 54-11: 2001 / A1: 2005 IACS UR E10 Rev 8: 2021
Additional Tests	Type BF-300V2, BF-502/Ex and BF-510WP-H: Salt mist test Compass safe distance

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Matthias Karg

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

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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Type Approval Certificate

Low temperature test -40°C

Degree of protection:
IP44: BF-300V2
IP55: BF-510WP-H
IP65: BF500V2/EX
IP66: BF-501, BF-501/Ex, BF-502, BF502/N and BF-502/Ex

Other Conditions

For systems consisting of the listed components the final functional arrangement and application software are to comply with appropriate Lloyd's Register Rules and Regulations and shall be subject to project related Plan Approval Process, when installed on LR classed vessels. Documents and drawings for the actual application are to be provided according relevant LR Rules and Regulations.

Specific Conditions of Use as stated in applicable Ex-certificates and the conditions of the LR Ship Rules & Regulations of Classification of Ships Part 6, Chapter 2 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 for normal inspection and survey procedures required by the Rules and Regulations.

If the specified standards are amended during the validity of this certificate, the product is to be re-approved 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 EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: This certificate supersedes certificate number LR2004286TA issued on

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Type Approval Certificate

18 June 2020 which is hereby cancelled.

The Design Appraisal Document TSO/24-013805 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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