Certificate No: LR21242977TA
Issue Date: 28/06/2021
Expiry Date: 13/09/2025

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	Input / Output units BN-300 Input unit with SelfVerify BN-310 Single relay output unit without SelfVerify BN-320 Interface unit with SelfVerify BN-500/Ex Input unit with SelfVerify (Exia-version
Trade Name	BN-300, BN-310, BN-320, BN-500/Ex
Application	Marine, offshore and industrial applications suitable for use in environmental categories ENV1, ENV2 and ENV 3 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – 2020
Specified Standard	IACS E10 Rev. 8:2021 IEC 60092-504:2016 IEC 60533:2015

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Thorsten Wolff

Senior 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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Ratings

BN-300: HW ver. 6, SW ver. 1.00
BN-310: HW ver. 4, SW ver. 1.01
BN-320: HW ver. 3, SW ver. 1.00
BN-500/EX: HW ver. 8, SW ver. 1.00

Other Conditions

Systems comprising the components described above are subject to a separate plan appraisal according to applicable Rules and Regulations when installed on LR classed vessels.

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 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.

The Design Appraisal Document HTS/ETS 41387-21/MK/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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