



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.

This certificate supersedes certificate number 15/20109 issued on 07.10.2015 which is hereby cancelled.

This certificate is issued to:

PRODUCER Autronica Fire and Security AS
Bromstadtveien 59
7047 Trondheim
Norway

DESCRIPTION Input / Output units with SelfVerify

TYPE
BN-300 Input unit
BN-310 Single relay output unit
BN-320 2 inputs / 1 output unit
BN-500/Ex Input unit

APPLICATION Marine, offshore and industrial applications suitable for use in environmental categories ENV1, and ENV2 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 - 1996

STANDARD Manufacturer's specification

OTHER CONDITIONS Ratings for application in hazardous areas are to be obtained from applicable Ex Certificates. 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.

Certificate No. 15/20109 (E1)

Issue Date 24 May 2017

Expiry Date 14 September 2020

Sheet 1 of 2

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS



for Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

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The 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.

The Design Appraisal Document No. HTS/ETS 35310-17 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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