



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 10/20026 (E4) issued on 14.10.2015 which is hereby cancelled.

This certificate is issued to:

PRODUCER	Autronica Fire and Security AS Bromstadtveien 59 7047 Trondheim Norway
DESCRIPTION	Fire detection and alarm system
TYPE	AutoSafe 4
	Comprising:
	BS-420 Fire alarm control panel
	BS-420M Fire alarm control panel
	BS-420G 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 AutoFieldBus
	BU-110 Fire brigade loop panel
	BV-110 Information loop panel

Certificate No.	10/20026 (E5)
Issue Date	13 June 2017
Expiry Date	30 June 2020
Sheet	1 of 2


 Thorsten Wolff
 Hamburg Technical Support Office
 Lloyd's Register EMEA
LR031.1.2013.12


 Thorsten Wolff
 Hamburg Technical Support Office
 Lloyd's Register EMEA

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

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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 – 2013
ADDITIONAL TESTS	Low temperature test: (-15°C/16hrs) except BU-110, BV-110 Enclosure rating: IP32
STANDARD	EN 54-2:1997+A1:2006 EN 54-4:1997+A1:2002+A2:2006
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.

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 35383-17 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No.	10/20026 (E5)
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Sheet	2 of 2



Thorsten Wolff
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Design Appraisal Document

Lloyd's Register EMEA
Hamburg Technical Support Office
Am Sandtorkai 41
20457 Hamburg
Telephone +49 (0)40 328107-0 Fax +49 (0)40 328107-480
E-mail: hamburg-technical-support@lr.org

Date
13 June 2017

Please quote this reference number on all future communications
HPC1462055/35383-17/AHB/TW/KW

THE LLOYD'S REGISTER'S TYPE APPROVAL SYSTEM, 2015
ISSUED TO: AUTRONICA FIRE AND SECURITY AS
FOR: FIRE DETECTION AND ALARM SYSTEM AUTOPRIME 2
TYPE APPROVAL CERTIFICATE NO. 10/20026 (E5)

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register's Type Approval System Procedure TA14 and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Unnumbered	Application Checklist-Appendix to Form 2502TA/2502TA MR	06.12.2016
Form 2502 (2016.05)	Request for Marine Services	29.03.2017
900776	ISO 9001:2008 Certificate, Autronica Fire and Security AS	27.05.2014
OSLI1700003	Production Quality Assessment, Autronica	06.01.2017
1462055/48683	Mail Confirmation BP-410 Phased Out, 1 page	24.05.2017
HTS/ETS 32284-15	LR Marine Design Appraisal Document, 2 pages	14.10.2015



Antje Herms-Bondzio
Hamburg Technical Support Office
Lloyd's Register EMEA
LR031.1.2016.06

Antje Herms-Bondzio
Senior Specialist
Hamburg Technical Support Office
Lloyd's Register EMEA
T +49 (0)40 328107-316
E antje.herms-bondzio@lr.org



Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA
LR031.1.2013.12

Thorsten Wolff
Senior Specialist
Hamburg Technical Support Office
Lloyd's Register EMEA
T +49 (0)40 328107-445
E thorsten.wolff@lr.org

FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

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Lloyd's Register EMEA
Hamburg Technical Support Office
Am Sandtorkai 41
20457 Hamburg
Telephone +49 (0)40 328107-0 Fax +49 (0)40 328107-480
E-mail: hamburg-technical-support@lr.org

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Date
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HPC1462055/35383-17/AHB/TW/KW

Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample 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 product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the LR Type Approval System Procedure.

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