



**TYPE APPROVAL CERTIFICATE**  
**No. ELE101119XG**

**This is to certify** that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	<b>Fire detection and fire alarm systems</b>
<i>Type</i>	<b>AUTROSAFE 4 and AUTOPRIME 2</b>
<i>Applicant</i>	<b>AUTRONICA FIRE AND SECURITY AS Trondheim , NORWAY</b>
<i>Manufacturer</i>	<b>AUTRONICA FIRE AND SECURITY AS</b>
<i>Place of manufacture</i>	<b>Trondheim , NORWAY</b>
<i>Reference standards</i>	<b>Rules for the Classification of Ships.- Part C - Machinery, Systems and Fire protection - Ch.3, Sect. 6, Table 1 and EN 54-2, EN 54-4, IEC 60533, IEC 60950-1.</b>

*Issued in* **Genoa** on **May 24, 2019**. *This Certificate is valid until* **May 23, 2024**

  
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**RINA Services S.p.A.**  
**Giuseppe Russo**

This certificate consists of this page and 1 enclosure





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**AUTROSAFE 4 and AUTOPRIME 2**

**AUTROSAFE 4, AUTOPRIME 2 Fire detection and fire alarm system, including:**

Model	Description
BS-200	Main fire alarm panel
BS-200L	Main fire alarm panel
BS-200M	Main fire alarm panel, marine applications
BS-210	Operator panel
BS-211	Repeater panel
BS-420M	Main control panel, network system, marine applications
BS-420G	Main control panel, network system, offshore applications
BS-430	Operator panel with total display/ service, network system
BC-250	Controller unit
BC-420	Controller without display/ buttons, network system
BC-440	Controller rack unit
BU-110	Fire brigade loop panel
BU-210	Fire brigade panel
BU-211	Alarm storage panel
BUR-200	LED mimic driver
BU-BV-420	Repeat/ information panel (service by dip switch setting)
BV-110	Information loop panel
BV-210	Information panel
BP-405	Power cabinet provides space for two 12 V/ 18 Ah batteries
BPS-405	Decentralized power unit, 24 V DC, 5 A
BPS-410	Decentralized power unit, 24 V DC, 10 A

**Software version: 4.x.y, AUTROSAFE 4; 2.x.y, AUTOPRIME 2**  
 where x and y values shall be defined for each delivery.

**Technical description:**

Operator's Handbook: doc. 116-P-ASAFE-OPERATE/FGB Rev. H (2018/02/16)  
 Installation Handbook: doc. 116-P-ASAFE-INSTALL/DGB Rev. K (2018/01/18)  
 Commissioning Handbook: doc. 116-P-ASAFE-COMMISS/EGB Rev. H (2018/02/19)  
 Getting started: doc. 116-P-APRIME2-GETSTAR/EGB, Rev. B (2017/04/19)  
 Installation Handbook: doc. 116-P-APRIME2-INSTAL/DGB, Rev. D (2017/04/19)  
 Operator's Handbook: doc. 116-P-APRIME2-OPERAT/FGB, Rev. A (2018/03/07)  
 System Description: doc. 116-P-APRIME2-SYSTEM/XGB, Rev. B (2018/03/23)

**Data sheets:**

Fire Brigade Loop Panel BU-110: doc. 116-P-BU110/CGB, Rev. E (2019/03/06)  
 Fire Brigade Panel BU-210: doc. 116-P-BU210/CGB, Rev. C (2019/03/06)  
 Information Loop Panel BV-110: doc. 116-P-BV110/CGB, Rev. D (2019/03/06)  
 Information Panel BV-210: doc. 116-P-BV210/CGB, Rev. C (2019/03/06)  
 Controller Unit BC-250: doc. 116-P-BC250/CGB (2014/05/23)  
 Controller Rack Unit BC-440: doc. 116-P-BC440/CGB Rev. C (2016/05/19)  
 Fire Alarm Control Panel BS-200m: doc. 116-P-BS200M/CGB, Rev. I (2018/03/09)  
 Repeater Panel BS-211: doc. 116-P-BS211/CGB, Rev. C (2019/06/06)  
 Fire Alarm Control Panel BS-420: doc. 116-P-BS420/CGB Rev. B (2017/03/09)  
 Operator Panel BS-430: doc. 116-P-BS430 Rev. G (2017/03/09)  
 Controller BC-420: doc. 116-P-BC420 Rev. F (2018/01/18)





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**AUTROSAFE 4 and AUTOPRIM 2**

**Data sheets (continuous):**

Repeater Panel BU-BV-420: doc. 116-P-BU-BV420 Rev. E (2017/03/09)  
Power supply Cabinet BP-405: doc. 116-P-BP405 Rev. B (2010/02/01)  
Power supply Unit BPS-405, 24Vdc, 5A: doc. 116-P-BPS405/CGB, Rev. A (2016/05/19)  
Power supply Unit BPS-410, 24Vdc, 10A: doc. 116-P-BPS410/CGB, Rev. C (2016/05/19)  
Mimic Driver BUR-200: doc. 116-P-BUR200/CGB, Rev. D (2018/03/13)

**Test Reports:**

DNV Report n. 2009-3693 Rev. 01 (2009 / 12 / 15)  
Electrical Safety Testing of Fire Alarm System Autrosafe 4

DNV Report n. 2009-3710 Rev. 01 (2010 / 02 / 19)  
AutroSafe Release 4 EN 54-2 & EN 54-4

DNV Report n. 2009-3691 Rev. 6 (21 / 09 / 2012)  
EMC and Environmental Testing of Autrosafe 4 Components (Maritime Testing)

DNV Report n. 2009-3664 Rev. 01 (11 / 12 / 2009)  
EMC and Environmental Testing of Autrosafe 4 Components (CE Marking)

NEMKO Report n. 238015-2 (EN 54-2 \_ 2014/05/15) \_ Fire brigade panel BU-110  
NEMKO Report n. 238015-3 (EN 54-2 \_ 2014/05/15) \_ Information panel BV-110  
NEMKO Report n. E13284.01 (IACS E10 2006 \_ 2014/04/08) \_ BU-110, BV110  
NEMKO Report n. E18299.00 (IACS E10 \_ 2019/01/31) \_ BS-200M, BS-211, BC-250  
NEMKO Report n. E18106.00 (EN54-2 \_ 2018/12/30) \_ BS-200/L/M, BS-210, BS-211

DNV Report n. 2010-3355 Rev. 02 (IACS E10 2010 \_ 2012/01/30) \_ BPS-405 , BPS-410

Applica Report n. 20887 Rev. 08 (2018/05/04)  
EMC and Environmental Testing of AUTROSAFE 4 Components  
Applica Report n. 21439 Rev. 0 (2018/11/12)  
Type Testing of Control Panels and Power Supplies

**Remark:**

Each particular application and installation is to be specifically approved by the Society.

This certificate supersedes the certificates : ELE193414CS and ELE306414CS

**Genoa May 24, 2019**

