



TYPE APPROVAL CERTIFICATE
No. ELE129822XP

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>	Fire detectors
<i>Type</i>	IR Flame Detector BG-201; IR Flame Detector BG-21
<i>Applicant</i>	AUTRONICA FIRE AND SECURITY AS BROMSTADVEIEN 59 NO-7047 Trondheim NORWAY
<i>Manufacturer</i>	AUTRONICA FIRE AND SECURITY AS
<i>Place of manufacture</i>	BROMSTADVEIEN 59 NO-7047 Trondheim NORWAY
<i>Reference standards</i>	RINA Rules for the Classification of Ships - Part C - Machinery, Systems and Fire Protection - Ch.3 Sect. 6 , Table 1; IACS E10:2014

Issued in Gdańsk on January 17, 2023. This Certificate is valid until January 16, 2028

Beverista

RINA Services S.p.A.
Anna Maria Baranska



This certificate consists of this page and 1 enclosure



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IR Flame Detector BG-201

IR Flame Detector BG-21

Product description:

Infrared Flame Detector type BG-201;

- used with interactive analogue addressable fire detection system
- performance Class: 1, 2, 3
- angle of reception $\pm 30^\circ$
- includes short circuit isolator
- Degree of Protection : IP66 / IP 67

Infrared Flame Detector type BG-21:

- used with conventional fire detection system
- performance Class: 1, 3
- angle of reception $\pm 30^\circ$
- includes short circuit isolator
- Degree of Protection : IP66 / IP 67

Documents:

- Instruction: 116-P-BG201-BG21/DGB dated 2012/10/10;
- Mounting instruction: 116-P-BG201/WGB dated 10/10/2012; 116-P-BG21/WGB dated 10/10/2012;
- Product data sheet: 116-BG201/CGB Rev. A dated 2017-01-18; 116-P-BG21/CGB dated 10/10/2012
- RINA Production Control Audit Report: 2022/X4/01/266 dates 14/11/2022

Test Reports:

BRE Global:

- Software evaluation report n. TE276617-SW-A1 (11 October 2012) (acc.to EN 54-10 Clause 4.9, and EN 54-17 Clause 4.9)
- Functional evaluation report n. TE276617 (05 November 2012) (according to EN 54-10, 2002 and EN 54-17, 2005)

Nemko AS:

- Environmental report n. E12044.00 dated 29 May 2012; E12211.01 Rev. 01 dated 2012-11-16
- Environmental and EMC Test Report n. 18217.00, dated 2018-11-15

Remarks:

- The products fulfill **EC-Code: 31/41**.
- The EMC requirements for installation on the Bridge and Deck Zones will be fulfilled by the equipment.
- This certificate replace the certificate no.: ELE251717XG.

Gdańsk January 17, 2023