



**TYPE APPROVAL CERTIFICATE**  
**No. ELE251717XG**

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

*Issued in* **HAMBURG** on **October 16, 2017**. *This Certificate is valid until* **October 15, 2022**

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

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

### 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)

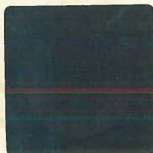
#### **Nemko AS:**

- Environmental report n. E12044.00 dated 29 May 2012; E12211.01 Rev. 01 dated 2012-11-16

### 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.: ELE357912CS.

**HAMBURG October 16, 2017**



A handwritten signature in blue ink, appearing to be 'J. P. ...'.