



NIPPON KAIJI KYOKAI

Certificate

Certificate No.
TA241480E(AL)

OF

TYPE APPROVAL

Name of Product	: Flame Detector
Type	: BG-201, BG-21, BG-301, BG-301-EXIA, BG-301-EXIC
Descriptions	: See Annex.
Testing standard	: EN 54-10:2002+A1:2005 IEC 60092-504:2001 IEC 60092-504:2016
Manufacturer	: Autronica Fire and Security AS Bromstadvegen 59, N-7047, Trondheim, Norway
Documentation	: See Annex.
Limitation	: See Annex.

THIS IS TO CERTIFY that the above type has been approved by Nippon Kaiji Kyokai with approval No. N-1280 and that products of the type will be accepted for use on ships classed with the Society as complying with the relevant requirements of the Society's *Rules for the Survey and Construction of Steel Ship* and with the *International Convention for the Safety of Life at Sea 1974* as amended subject to conditional upon product verification being carried out in the presence of the surveyor of the Society.

This certificate is valid until 17 December 2027.

Issued at Tokyo on 24 December 2024.

NIPPON KAIJI KYOKAI

M. Irisawa
General Manager

Material and Equipment Department



NOTE: The design, construction and way of installation subject to attachments. Any significant changes to the product without our approval will result in this certificate becoming null and void.



1. Descriptions & Documentation

Type	Description	Documentation (Incl. Test report)
BG-201	Interactive IR flame detector with isolator	Product Datasheet Doc-1000332-3, 2021-01-13 BRE Global Ltd. TE 276617 BRE Global Ltd. TE 276617-SW-A1 Nemko Report No. E12044.00 Nemko Report No. E18217.00
BG-21	Conventional IR flame detector	Product Datasheet Doc-1000335-1, 2021-05-19 BRE Global Ltd. TE 276617 Nemko Report No. E12044.00 Nemko Report No. E18217.00
BG-301	Interactive IR3 flame detector with short circuit isolator	Product Datasheet Doc-1005449-5, 2024-11-07 DPL OBR CTM S.A. Report No. DPL/003/039/24 CNBOP-PIB Report No. 1381/BA/23
BG-301-EXIA	Interactive IR3 flame detector Ex ia version with short circuit isolator	Product Datasheet Doc-1005449-5, 2024-11-07 CNBOP-PIB Report No. 1381/BA/23
BG-301-EXIC	Interactive IR3 flame detector Ex ic version with short circuit isolator	Product Datasheet Doc-1005449-5, 2024-11-07 CNBOP-PIB Report No. 1381/BA/23

2. Limitation

This certificate does not cover the use of the product within gas dangerous zone.