



NIPPON KAIJI KYOKAI

Certificate

Certificate No.
TA191499E(R)

OF

TYPE APPROVAL

Item & Type	: Fire alarm panel	BS-200M, BS-211, BV-210, BU-210, BC-250
	Heat detector	BD-200, BD-300, BD-500, BD-500/Ex, BD-500/N, BD-501, BD-501/Ex, BD-501/N
	Smoke detector	BH-200, BH-300, BH-500, BH-500/Ex, BH-500/N
	Multi sensor	BH-220, BH-320, BH-520, BH-520/Ex, BH-520/N
	I/O unit	BN-300, BN-310, BN-320, BN-320/2, BN-320/4, BN-320/5, BN-500/Ex, BUR-200
	Manual call point	BF-300V2, BF-501, BF-501/Ex, BF-510WP-H, BF-500V2/EX,
	Barrier unit	BZ-500
Descriptions	: See Annex.	
Testing standard	: EN 54-2:1997, EN 54-4:1997, EN 54:2001, & IEC 60092-504:2016	
Manufacturer	: Autronica Fire and Security AS Bromstadveien 59, N-7047 Trondheim, Norway	

THIS IS TO CERTIFY that the above type has been approved by Nippon Kaiji Kyokai with approval No.N-813 as shown in the Annex 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 from 16 June 2019 until 15 June 2024.
Issued at Tokyo on 11 December 2019.

NIPPON KAIJI KYOKAI


H. Kobayashi
General Manager
Material and Equipment Department



Initial approval date : 16 June 2004

System Descriptions



Type	Component	Documentation(Incl. Test report)
BS-200M BC-250	Fire alarm control panel Controller unit	Nemko Report No. E07357.03, No.86445_4 Data sheet: 116-P-BS200M/CGB, Rev.I, 2018-03-09 DNV Report No.99-1405 DNV Report No.99-1491 Rev.02 Data sheet: 116-P-BC250/CGB, 2014-05-23 Nemko Report No. E07357.05, No.86445_3 Nemko Report No. E18106.00 Nemko Report No. E18299.00
BV-210 BS-211 BU-210	Information panel Repeater Panel Fire Brigade Panel	DNV Report No.99-1498 DNV Report No.99-1491 Rev.02 DNV Report No.2005-3330 Rev.01 Nemko Report No. E07357.03, No.86445_04 Data sheet: 116-P-BV210/CGB, Rev.C, 2019-03-06 Data sheet: 116-P-BS211/CGB, Rev.C, 2019-03-06 Data sheet: 116-P-BU210/CGB, Rev.C, 2019-03-06 Nemko Report No. E18106.00 Nemko Report No. E18299.00
BD-200 BD-300 BD-500 BD-501	Heat detector Heat detector with self verify Heat detector with self verify Heat detector with self verify	LPC Report No. TE 89798 LPC Report No. TE 89797 LPC Report No. TE 89799 LPC Report No. TE 200205 LPCB Report No.208038/B DNV Report No.99-1491 Rev.02 Data sheet: 116-P-BD200/CGB, Rev.D, 2009-06-23 Data sheet: 116-P-BD300/CGB, Rev.E, 2009-06-23 Data sheet: 116-P-BD500/CGB, Rev.I, 2009-06-23 Data sheet: 116-P-BD501/CGB, Rev.F, 2018-10-08 Nemko Report No. E18217.00
BD-500/Ex BD-501/Ex	Heat detector EExia Heat detector EExia	Nemko 03ATEX218X DNV Report No.2000-1178 Rev.02 Data sheet: 116-P-BD500EX/CGB, Rev.I, 2016-04-28 Data sheet: 116-P-BD501EX/CGB, Rev.H,2016-11-10 Nemko Report No. E18217.00
BD-500/N BD-501/N	Heat detector Exn Heat detector Exn	Nemko 03ATEX217X LPC Report No. TE 200205 Data sheet: 116-P-BD500N/CGB, Rev.C, 2016-04-28 Data sheet:116-P-BD501N/CGB, Rev.D, 2016-11-10 NYK Trade. Dwg. No.NTC-00711-04 Nemko Report No. E18217.00
BH-200 BH-300 BH-500	Optical smoke detector Optical smoke detector with self verify Optical smoke detector with self verify	LPC Report No. TE 89702 LPC Report No. TE 89704 LPC Report No. TE 89703 LPCB Report No.208038/A DNV Report No.99-1491 Rev.02 Data sheet: 116-P-BH200/CGB, Rev.C, 2009-06-24 Data sheet: 116-P-BH300/CGB, Rev.C, 2009-06-25 Data sheet: 116-P-BH500/CGB, Rev.G, 2009-06-25 Nemko Report No. E18217.00
BH-500/Ex	Optical smoke detector EExia	Nemko 03ATEX218X DNV Report No.2000-1178 Rev.02 Data sheet: 116-P-BH500EX/CGB, Rev.G, 2016-04-29 Nemko Report No. E18217.00
BH-500/N	Optical smoke detector Exn	Nemko 03ATEX217X Data sheet: 116-P-BH500N/CGB, Rev.C, 2016-04-29 NYK Trade. Dwg. No.NTC-00711-05 Nemko Report No. E18217.00

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BH-220 BH-320 BH-520	Multi sensor Multi sensor with self verify Multi sensor with self verify	LPC Report No. TE 89809 LPC Report No. TE 89810 LPC Report No. TE 89808 LPCB Report No.208038/C DNV Report No.99-1491 Rev.02 Data sheet: 116-P-BH220/CGB, Rev.D, 2010-02-24 Data sheet: 116-P-BH320/CGB, Rev.D, 2009-06-24 Data sheet: 116-P-BH520/CGB, Rev.F, 2009-06-24 Nemko Report No. E18217.00
BH-520Ex	Multi sensor EExia	DNV Report No.2000-1178 Rev.02 Nemko 03ATEX218X Data sheet: 116-P-BH520EX/CGB, Rev.J, 2016-04-29 Nemko Report No. E18217.00
BH-520/N	Multi sensor Exn	Nemko 03ATEX217X Data sheet: 116-P-BH520N/CGB, Rev.C, 2016-04-29 NYK Trade. Dwg. No.NTC-00711-06 Nemko Report No. E18217.00
BN-300 BN-310	I/O unit Single relay output unit	DNV Report No.99-1491 Rev.02 Data sheet: 116-P-BN300/CGB, Rev.K, 2017-02-10 Data sheet: 116-P-BN310/CGB, Rev.C, 2016-10-24 Nemko Report No. E18217.00
BN-320 BN-320/2 BN-320/4 BN-320/5 BUR-200	2 input / 1 output Door control unit Standard control unit Sprinkler control unit Mimic driver	DNV Report No.98-1390 Rev.01 DNV Report No.99-1491 Rev.02 Nemko Report No. E0757.02, No.86445_04 Data sheet: 116-P-BN320/CGB, Rev.C, 2016-10-24 Data sheet: 116-P-BN320/2/CGB, Rev.D, 2009-11-09 Data sheet: 116-P-BN320-4/CGB, Rev.C, 2009-07-21 Data sheet: 116-P-BN320-5/CGB, Rev.F, 2009-12-07 Data sheet: 116-P-BUR200/CGB, Rev.D, 2018-03-13 Nemko Report No. E18106.00 Nemko Report No. E18217.00 Nemko Report No. E18299.00
BN-500/Ex	Input unit	DNV Report No.99-1467 Rev.01 DNV Report No.2000-1178 Rev.02 Data sheet: 116-P-BN500/EX/CGB, Rev.G, 2016-04-29 Nemko Report No. E18217.00
BF-300V2 BF-510WP-H	Manual call point	LPC Report No. TE 89823 DNV Report No.99-1491 Rev.02 DNV Report No.2009-3598 Rev.01 Date sheet: 116-P-BF300V2/CGB, Rev.C, 2016-10-24 Date sheet: 116-P-BF510WPH/CGB, Rev.C, 2016-07-14 Nemko Report No. E18217.00

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<p>BF-501 BF-501/Ex BF-500V2/EX</p>	<p>Manual call point Manual call point EExia Manual call point EExia</p>	<p>Nemko No. 03ATEX218X DNV Report No.99-1491 Rev.02 DNV Report No.2000-1178 Rev.02 DNV Report No.2009-3598 Rev.01 Data sheet:116-P-BF501/CGB, Rev.E, 2016-10-26 Data sheet:116-P-BF501EX/CGB, Rev.G, 2016-11-25 Data sheet:116-P-BF500V2EX/CGB, Rev.C, 2016-04-29 Nemko Report No. E18217.00</p>
<p>BZ-500</p>	<p>Barrier unit</p>	<p>DNV Report No.99-1467 Rev.01 DNV Report No.2000-1178 Rev.02 Nemko 03ATEX 230 Data sheet:116-P-BZ500/CGB, Rev.K, 2016-11-08 Nemko Report No. E18217.00</p>