

Certificate No:

MED-B-9026

Item No:

A.1/3.51

Job Id:

344.1-001924-12

EC TYPE EXAMINATION CERTIFICATE

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2012/32/EU, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This Certificate is issued by DNV GL under the authority of the Government of the Kingdom of Norway.

This is to certify:

That the Fixed fire detection and fire alarm systems

with type designation(s)

Interactive fire panels

Issued to

Autronica Fire and Security AS
TRONDHEIM, Norway

is found to comply with the requirements in the following Regulations/Standards:

Annex A.1, item No. A.1/3.51 and Annex B, Module B in the Directive. SOLAS 74 as amended, Regulation II-2/7 & X/3, 2000 HSC Code 7, FSS Code 9 and IMO MSC.1/Circ.1242

Further details of the equipment and conditions for certification are given overleaf.

Høvik, 2014-08-19

for **DNV GL**



This Certificate is valid until

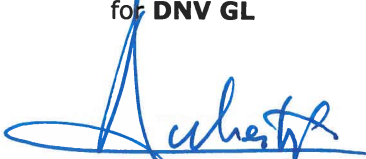
2019-08-19

Notified Body No.: **0575**

DNV GL local office:
Trondheim



Andrzej Gdaniec
Surveyor

per 
Marianne Strand Valderhaug
Head of Department



The Certificate is subject to terms and conditions overleaf. Any significant changes in design or construction of the product, or amendments to the Directive or Standards referenced above may render this Certificate invalid. The product liability rests with the manufacturer or his representative in accordance with Council Directive 96/98/EC, as amended. The Mark of Conformity may only be affixed to the product and a Declaration of Conformity may only be issued when the production/product assessment module referred to in the council directive, is fully complied with.

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Product description

Ref. Appendix

Application/Limitation

Ref. Appendix

Type Examination documentation

Ref. Appendix

Tests carried out

- IEC 60092-504 (2001)
- IEC 60533 (1999)
- and as applicable:
- EN 54-2 (1997) including AC(1999) and A1(2006)
- EN 54-4 (1997) including AC(1999), A1(2002) and A2(2006)
- EN 54-17 (2005)

Marking of product

In general and for identification to this type examination certificate the products shall be marked with:

- Manufacturer's name or trade mark
- Type designation
- Mark of Conformity (see below)

Mark of Conformity

The manufacturer is allowed to affix the Mark of Conformity according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and shall issue a Declaration of Conformity, only when the module D, E or F of Annex B in the same directive is fully complied with.

- Module D: The quality system for production and testing shall be approved by the Notified Body.
Module E: The quality system for inspection and testing shall be approved by the Notified Body.
Module F: Compliance of the products to type as described in this EC Type-Examination Certificate must be verified by the Notified Body who also shall issue a of Certificate Conformity.



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APPENDIX REV.1

Product description

AUTROPRIME

The fire alarm control panel BS-200M supports 4 detection loops. All loop units can be mixed freely and connected at any point on the same detection loop. A maximum of 8 additional panels can be freely mixed and connected to the fire alarm control panel via the RS-485 panel bus, including repeater panels BS-211, information panels BV-210, fire brigade panels BU-210 and mimic drivers BUR-200.

Autroprime Interactive Fire Detection System consist the following units:

- BS-200M: Main control panel
- BS-210: Operator panel
- BS-211: Repeater panel
- BU-210: Fire brigade panel
- BV-210: Information panel
- BUR-200: Mimic driver
- BC-250: Controller Unit

Software version: 2. 0. x, x to be defined for each delivery.

AUTROSAFE 3

The fire alarm control panel BS-310/310G/310G2/320M/320G/320G2 supports maximum 12 modules, of which maximum 6 can be loop driver modules. With a LON interface the control panel can communicate with other system units on the local operating network (ring loop) AUTROLON. A maximum number of 32 system units can be connected to each AUTROLON ring, including controller BC-310M/320M/320G/320G2, operator panel BS-330M/330G/330G2, repeater panel BU-320M/320G/320G2, information panel BV-320M/320G/320G2.

AutroSafe 3 Interactive Fire Detection System consist the following units:

- BS-310: Main control panel, single panel system, marine applications
- BS-310G: Main control panel, single panel system, oil & gas applications
- BS-310G2: Main control panel, single panel system, oil & gas applications with SIL2
- BS-320M: Main control panel, network system, marine applications
- BS-320G: Main control panel, network system, oil & gas applications
- BS-320G2: Main control panel, network system, oil & gas applications with SIL2
- BC-310M: Controller without display/buttons, network system, marine applications
- BC-320M: Controller without display/buttons, network system, marine applications
- BC-320G: Controller without display/buttons, network system, oil & gas applications
- BC-320G2: Controller without display/buttons, network system, oil & gas applications with SIL2
- BS-330M: Operator panel with total display/service, network system, marine applications
- BS-330G: Operator panel with total display/service, network system, oil & gas applications
- BS-330G2: Operator panel with total display/service, network system, oil & gas applications with SIL2
- BU-320M: Repeater panel with alarm display/service, network system, marine applications
- BU-320G: Repeater panel with alarm display/service, network system, oil & gas applications
- BU-320G2: Repeater panel with alarm display/service, network system, oil & gas applications with SIL2
- BV-320M: Information panel with event display, network system, marine applications
- BV-320G: Information panel with event display, network system, oil & gas applications
- BV-320G2: Information panel with event display, network system, oil & gas applications with SIL2

Software versions: V3.6.0; V3.7.0; V3.8.X

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AUTROSAFE 4

The fire alarm control panel BS-420/420M/420G supports maximum 30 modules, of which maximum 12 can be loop driver modules. Utilizing a redundant Ethernet network, AutoNet, the control panel can communicate with other system units. A maximum number of 64 system units can be connected to each AutoNet, including controller BC-420, operator panel BS-430 and BU-BV-420 configurable repeater/information panel. Power supply units BP-405, BPS-405 and BPS-410.

- BS-420M: Main control panel, network system, marine applications, release 4
- BS-420G: Main control panel, network system, offshore applications, release 4
- BS-420G2: Main control panel, network system, offshore applications, release 4, certified to SIL2
- BS-430: Operator panel with total display/service, network system, release 4
- BS-430G2: Operator panel with total display/service, network system, release 4, certified to SIL2
- BC-420: Controller without display/buttons, network system, release 4
- BC-420G2: Controller without display/buttons, network system, release 4, certified to SIL2
- BU-BV-420: Repeat/Information panel (service by dipswitch settings), release 4
- BU-BV-420G2: Repeat/Information panel (service by dipswitch settings), release 4, certified to SIL2
- BP-405: Power cabinet provides space for two 12V/18Ah batteries, release 4
- BPS-405: Decentralized power unit, mountable in a 19" rack/console, 115/230VAC 24VDC/5A, release 4
- BPS-410: Decentralized power unit, mountable in a 19" rack/console, 115/230VAC 24VDC/10A, release 4
- BC-440: Rack mount version of BC-420
- BC-440G2: Rack mount version of BC-420G2, certified to SIL2

- BU-110: Fire brigade loop panel
- BV-110: Information loop panel

Interface modules:

- BSB-310A: Monitored output module
- BSD-310: Loop driver module
- BSD-330: BS-100 loop interface
- BSE-310: Monitored input module
- BSE-320: Input module
- BSL-310: Communication module
- BSS-310A: Power module
- BSS-311: Power module

Software version 4.x.y, where x, y- values shall be defined for each delivery.

Application/Limitation

The equipment are found to comply with following location/application dependent requirements:

AUTROSAFE 3

- EMC-B Bridge and open deck zone (ref. IEC 60092-504 (2001) table 1 item 19-20)
- ENC-A Control room, accommodation, bridge (IP22) (ref. IEC 60092-201 table 5)
- TEM-A Location (5°C-55°C) (ref. IEC 60092-504 (2001) table 1 item 6-7)
- VIB-A For general applications (ref. IEC 60092-504 (2001) table 1 item 10)

AUTROSAFE 4 and AUTROPRIME

- EMC-B Bridge and open deck zone (ref. IEC 60092-504 (2001) table 1 item 19-20)
- ENC-A Control room, accommodation, bridge (IP22) (ref. IEC 60092-201 table 5)
- TEM-B Location (5°C-70°C) (ref. IEC 60092-504 (2001) table 1 item 6-7)
- VIB-A For general applications (ref. IEC 60092-504 (2001) table 1 item 10)



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Type Examination documentation

| Equipment | Scope | Document | No. |
|--|---|---|-----|
| Autroprime BS-200M | EN 54-2 | Nemko, Test Report, 86445_3 rev.2 | 1 |
| | EN 54-4 | Nemko, Test Report, 86445_4 rev.2 | 2 |
| | IEC60092-504, 60533 | Nemko, Test Report, E07357.03 rev.3, 2011-10-12 | 38 |
| | Product data | Autronica, Data Sheet, 116-P-BS200M/CGB rev.E, 2010-09-22 | 49 |
| Autroprime BS-210 | EN 54-2 | Nemko, Test Report, 86445_3 rev.2 | 1 |
| | EN 54-4 | Nemko, Test Report, 86445_4 rev.2 | 2 |
| | IEC60092-504, 60533 | Nemko, Test Report, E07357.02 rev.2 | 3 |
| | Product data | Autronica, Data Sheet, 116-P-BS200M rev.B | 5 |
| Autroprime BS-211 | EN 54-2 | Nemko, Test Report, 86445_3 rev.2 | 1 |
| | EN 54-4 | Nemko, Test Report, 86445_4 rev.2 | 2 |
| | IEC 60092-504, 60533 | Nemko, Test Report, E07357.03 rev.3, 2011-10-12 | 38 |
| | Product data | Autronica, Data Sheet, 116-P-BS211/CGB, rev.A, 2010-09-22 | 50 |
| Autroprime BU-210 | EN 54-2 | Nemko, Test Report, 86445_3 rev.2 | 1 |
| | EN 54-4 | Nemko, Test Report, 86445_4 rev.2 | 2 |
| | IEC60092-504, 60533 | Nemko, Test Report, E07357.03 rev.3, 2011-10-12 | 38 |
| | Product data | Autronica, Data Sheet, 116-P-BU210/CGB rev.A, 2010-09-22 | 51 |
| Autroprime BV-210 | EN 54-2 | Nemko, Test Report, 86445_3 rev.2 | 1 |
| | EN 54-4 | Nemko, Test Report, 86445_4 rev.2 | 2 |
| | IEC60092-504, 60533 | Nemko, Test Report, E07357.03 rev.3, 2011-10-12 | 38 |
| | Product data | Autronica, Data Sheet 116-P-BV210/CGB rev.A, 2010-09-22 | 42 |
| Autroprime BUR-200 | EN 54-2 | Nemko, Test Report, 86445_3 rev.2 | 1 |
| | EN 54-4 | Nemko, Test Report, 86445_4 rev.2 | 2 |
| | IEC60092-504, 60533 | Nemko, Test Report, E07357.03 rev.3, 2011-10-12 | 38 |
| | Product data | Autronica, Data Sheet, 116-P-BUR-200/CGB rev.C | 91 |
| Autroprime BC-250 BUR-200 | EN 54-2 | Nemko, Test Report, 86445_3 rev.2 | 1 |
| | EN 54-4 | Nemko, Test Report, 86445_4 rev.2 | 2 |
| | IEC60092-504, 60533 | Nemko, Test Report, E07357.05 rev.5, 2013-06-06 | 77 |
| | Product data | Autronica, Data Sheet, 116-P-BC250/CGB, 2013-12-18 | 76 |
| AutroSafe BS-310, BS-310G, BS-310G2 | EN 54-2 | DNV, Test Report, 99-1405 rev.4 | 12 |
| | | DNV, Test Report, 2000-1190 rev.4 | 13 |
| | | ANPI, Addendum Nr.4, BFS/DE/1057-2006.12.08 | 14 |
| | EN 54-4 | DNV, Test Report, 99-1405 rev.4 | 12 |
| | | ANPI, Addendum Nr.4, BFS/DE/1057-2006.12.08 | 14 |
| | IEC60092-504, 60533 | DNV, Test Report, 99-1491 rev.2 | 15 |
| Product data | DNV, Test Report, 2005-3330, rev.1 | 16 | |
| AutroSafe BS-320M | EN 54-2 | Autronica, Data Sheet, 116-P-BS320 rev.F | 18 |
| | | DNV, Test Report, 99-1405 rev.4 | 12 |
| | | DNV, Test Report, 2000-1190 rev.4 | 13 |
| | EN 54-4 | ANPI, Addendum Nr.4, BFS/DE/1057-2006.12.08 | 14 |
| | | DNV, Test Report, 99-1405 rev.4 | 12 |
| | IEC60092-504, 60533 | ANPI, Addendum Nr.4, BFS/DE/1057-2006.12.08 | 14 |
| Product data | DNV, Test Report, 99-1491 rev.2 | 15 | |
| AutroSafe BS-320G, BS-320G2 | EN 54-2 | DNV, Test Report, 2005-3330, rev.1 | 16 |
| | | Autronica, Data Sheet, 116-P-BS320 rev.F | 18 |
| | | DNV, Test Report, 99-1405 rev.4 | 12 |
| | EN 54-4 | DNV, Test Report, 2000-1190 rev.4 | 13 |
| | | ANPI, Addendum Nr.4, BFS/DE/1057-2006.12.08 | 14 |
| | IEC60092-504, 60533 | DNV, Test Report, 99-1405 rev.4 | 12 |
| Product data | ANPI, Addendum Nr.4, BFS/DE/1057-2006.12.08 | 14 | |
| AutroSafe BS-320G, BS-320G2 | EN 54-2 | DNV, Test Report, 99-1491 rev.2 | 15 |
| | | DNV, Test Report, 2005-3330, rev.1 | 16 |
| | | Autronica, Data Sheet, 116-P-BS320 rev.F | 18 |
| | EN 54-4 | DNV, Test Report, 99-1405 rev.4 | 12 |
| | | ANPI, Addendum Nr.4, BFS/DE/1057-2006.12.08 | 14 |
| | IEC60092-504, 60533 | DNV, Test Report, 99-1405 rev.4 | 12 |
| Product data | ANPI, Addendum Nr.4, BFS/DE/1057-2006.12.08 | 14 | |



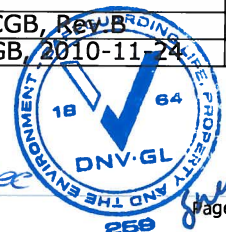
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| Equipment | Scope | Document | No. |
|-----------------------------------|---------------------|---|----------------|
| AutroSafe BC-310M, BC-320M | EN 54-2 | DNV, Test Report, 99-1405 rev.4 DNV, Test Report, 2000-1190 rev.4 ANPI, Addendum Nr.4, BFS/DE/1057-2006.12.08 | 12 13 14 |
| | EN 54-4 | DNV, Test Report, 99-1405 rev.4 ANPI, Addendum Nr.4, BFS/DE/1057-2006.12.08 | 12 14 |
| | IEC60092-504, 60533 | DNV, Test Report, 99-1491 rev.2 DNV, Test Report, 2005-3330, rev.1 DNV, Test Report, 99-1498 rev.1 | 15 16 17 |
| | Product data | Autronica, Data Sheet, 116-P-BC320 rev.F | 19 |
| AutroSafe BC-320G, BC-320G2 | EN 54-2 | DNV, Test Report, 99-1405 rev.4 DNV, Test Report, 2000-1190 rev.4 ANPI, Addendum Nr.4, BFS/DE/1057-2006.12.08 | 12 13 14 |
| | EN 54-4 | DNV, Test Report, 99-1405 rev.4 ANPI, Addendum Nr.4, BFS/DE/1057-2006.12.08 | 12 14 |
| | IEC60092-504, 60533 | DNV, Test Report, 99-1491 rev.2 DNV, Test Report, 2005-3330, rev.1 DNV, Test Report, 99-1498 rev.1 | 15 16 17 |
| | Product data | Autronica, Data Sheet, 116-P-BC320 rev.F | 19 |
| AutroSafe BS-330M | EN 54-2 | DNV, Test Report, 99-1405 rev.4 DNV, Test Report, 2000-1190 rev.4 ANPI, Addendum Nr.4, BFS/DE/1057-2006.12.08 | 12 13 14 |
| | EN 54-4 | DNV, Test Report, 99-1405 rev.4 ANPI, Addendum Nr.4, BFS/DE/1057-2006.12.08 | 12 14 |
| | IEC60092-504, 60533 | DNV, Test Report, 99-1491 rev.2 DNV, Test Report, 2005-3330, rev.1 DNV, Test Report, 99-1498 rev.1 | 15 16 17 |
| | Product data | Autronica, Data Sheet, P-BS330 rev.D | 20 |
| AutroSafe BS-330G, BS-330G2 | EN 54-2 | DNV, Test Report, 99-1405 rev.4 DNV, Test Report, 2000-1190 rev.4 ANPI, Addendum Nr.4, BFS/DE/1057-2006.12.08 | 12 13 14 |
| | EN 54-4 | DNV, Test Report, 99-1405 rev.4 ANPI, Addendum Nr.4, BFS/DE/1057-2006.12.08 | 12 14 |
| | IEC60092-504, 60533 | DNV, Test Report, 99-1491 rev.2 DNV, Test Report, 2005-3330, rev.1 DNV, Test Report, 99-1498 rev.1 | 15 16 17 |
| | Product data | Autronica, Data Sheet, P-BS330 rev.D | 20 |
| AutroSafe BU-320M | EN 54-2 | DNV, Test Report, 99-1405 rev.4 DNV, Test Report, 2000-1190 rev.4 ANPI, Addendum Nr.4, BFS/DE/1057-2006.12.08 | 12 13 14 |
| | EN 54-4 | DNV, Test Report, 99-1405 rev.4 ANPI, Addendum Nr.4, BFS/DE/1057-2006.12.08 | 12 14 |
| | IEC60092-504, 60533 | DNV, Test Report, 99-1491 rev.2 DNV, Test Report, 2005-3330, rev.1 DNV, Test Report, 99-1498 rev.1 | 15 16 17 |
| | Product data | Autronica, Data Sheet, P-BU320 rev.C | 21 |
| AutroSafe BU-320G, BU-320G2 | EN 54-2 | DNV, Test Report, 99-1405 rev.4 DNV, Test Report, 2000-1190 rev.4 ANPI, Addendum Nr.4, BFS/DE/1057-2006.12.08 | 12 13 14 |
| | EN 54-4 | DNV, Test Report, 99-1405 rev.4 ANPI, Addendum Nr.4, BFS/DE/1057-2006.12.08 | 12 14 |
| | IEC60092-504, 60533 | DNV, Test Report, 99-1491 rev.2 DNV, Test Report, 2005-3330, rev.1 DNV, Test Report, 99-1498 rev.1 | 15 16 17 |
| | Product data | Autronica, Data Sheet, P-BU320 rev.C | 21 |
| AutroSafe BV-320M | EN 54-2 | DNV, Test Report, 99-1405 rev.4 DNV, Test Report, 2000-1190 rev.4 ANPI, Addendum Nr.4, BFS/DE/1057-2006.12.08 | 12 13 14 |
| | EN 54-4 | DNV, Test Report, 99-1405 rev.4 ANPI, Addendum Nr.4, BFS/DE/1057-2006.12.08 | 12 14 |
| | IEC60092-504, 60533 | DNV, Test Report, 99-1491 rev.2 DNV, Test Report, 2005-3330, rev.1 DNV, Test Report, 99-1498 rev.1 | 15 16 17 |



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|--|---------------------|--|--|
| | Product data | Autronica, Data Sheet, P-BV320 rev.D | 22 |
| AutroSafe BV-320G, BV-320G2 | EN 54-2 | DNV, Test Report, 99-1405 rev.4 | 12 |
| | | DNV, Test Report, 2000-1190 rev.4 | 13 |
| | | ANPI, Addendum Nr.4, BFS/DE/1057-2006.12.08 | 14 |
| | EN 54-4 | DNV, Test Report, 99-1405 rev.4 | 12 |
| | | ANPI, Addendum Nr.4, BFS/DE/1057-2006.12.08 | 14 |
| | IEC60092-504, 60533 | DNV, Test Report, 99-1491 rev.2 | 15 |
| | | DNV, Test Report, 2005-3330, rev.1 | 16 |
| | | DNV, Test Report, 99-1498 rev.1 | 17 |
| | Product data | Autronica, Data Sheet, P-BV320 rev.D | 22 |
| AutroSafe BS-420, BS-420M, BS-420G, BS-420G2 | EN 54-2 | DNV, Test Report, 2009-3664, rev.1 | 26 |
| | | DNV, Test Report, 2009-3710, rev.1 | 27 |
| | EN 54-4 | DNV, Test Report, 2009-3664, rev.1 | 26 |
| | | DNV, Test Report, 2009-3710, rev.1 | 27 |
| | IEC60092-504, 60533 | DNV, Test Report, 2009-3691, rev.2 | 25 |
| | Product data | Autronica, Data Sheet, 116-P-BS420/CGB, rev.D | 86 |
| AutroSafe BS-430, BS-430G2 | EN 54-2 | DNV, Test Report, 2009-3664, rev.1 | 26 |
| | | DNV, Test Report, 2009-3710, rev.1 | 27 |
| | EN 54-4 | DNV, Test Report, 2009-3664, rev.1 | 26 |
| | | DNV, Test Report, 2009-3710, rev.1 | 27 |
| | IEC60092-504, 60533 | DNV, Test Report, 2009-3691, rev.2 | 25 |
| | Product data | Autronica, Data Sheet, 116-P-BS430/CGB, rev.E | 87 |
| AutroSafe BC-420, BC-420G2 | EN 54-2, EN 54-4 | DNV, Test Report, 2009-3664, rev.1 | 26 |
| | | DNV, Test Report, 2009-3710, rev.1 | 27 |
| | IEC60092-504, 60533 | DNV, Test Report, 2009-3691, rev.2 | 25 |
| | | Product data | Autronica, 116-P-BC420/CGB, rev.C |
| AutroSafe BU-BV-420, BU-BV- 420G2 | EN 54-2, EN 54-4 | DNV, Test Report, 2009-3664, rev.1 | 26 |
| | | DNV, Test Report, 2009-3710, rev.1 | 27 |
| | IEC60092-504, 60533 | DNV, Test Report, 2009-3691, rev.2 | 25 |
| | | Product data | Autronica, Data Sheet, 116-P-BU-BV420/CGB, rev.C |
| AutroSafe BP-405 | EN 54-2, EN 54-4 | DNV, Test Report, 2009-3664, rev.1 | 26 |
| | | DNV, Test Report, 2009-3710, rev.1 | 27 |
| | IEC60092-504, 60533 | DNV, Test Report, 2009-3691, rev.2 | 25 |
| | | Product data | Autronica, Data Sheet, 116-P-BP405/CGB, rev.B |
| AutroSafe BPS-405 | EN 54-4 | DNV, Test Report, 2010-3386, rev.1 | 34 |
| | IEC60092-504, 60533 | DNV, Test Report, 2010-3355, rev.1 | 35 |
| | | Product data | Autronica, Data Sheet, 116-P-BPS405/CGB, rev.A |
| AutroSafe BPS-410 | EN 54-4 | DNV, Test Report, 2010-3386, rev.1 | 34 |
| | IEC60092-504, 60533 | DNV, Test Report, 2010-3355, rev.1 | 35 |
| | | Product data | Autronica, Data Sheet, 116-P-BPS410/CGB, rev.B |
| AutroSafe Rack Unit BC- 440/440G2 | EN 54-2, EN 54-4 | DNV, Test Report, 2009-3664, rev.1 | 26 |
| | | IEC60092-504, 60533 | DNV, Test Report, 2009-3691, rev.6 |
| | | Product data | Autronica, Data Sheet, 116-P-BC440/CGB, rev.B |
| AutroSafe BSD-330 | EN 54-2, EN 54-4 | DNV, Test Report, 2009-3710, rev.1 | 26 |
| | | IEC60092-504, 60533 | Nemko, Test Report No. E12195.00 |
| | | Product data | Autronica, Data Sheet, 116-P-BSD330CGB, rev.D |
| AutroSafe BSB-310A BSD-310 BSE-310 BSE-320 BSL-310 BSS-310A BSS-311 | EN 54-2, EN 54-4 | DNV, Test Report, 2009-3710, rev.1 | 26 |
| | | IEC60092-504, 60533 | DNV, Test Report, 2009-3691, rev.6 |
| | Product data | Autronica, Data Sheet, 116-P-BSB310A/CGB, 2011-02-28 | 66 |
| | | Autronica, Data Sheet, 116-P-BSD310/CGB, Rev.H, 2011-06-07 | 67 |
| | | Autronica, Data Sheet, 116-P-BSE310/CGB, Rev.D, 2011-03-30 | 69 |
| | | Autronica, Data Sheet, 116-P-BSE320/CGB, Rev.E, 2011-06-14 | 70 |
| | | Autronica, Data Sheet, 116-P-BSL310/CGB, Rev.D, 2011-06-07 | 71 |
| | | Autronica, Data Sheet, 116-P-BSS310A/CGB, Rev.B | 89 |
| | | Autronica, Data Sheet, 116-P-BSS311/CGB, 2010-11-24 | 73 |



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|---------------------|---------------------|---|-----|
| AutroSafe BU-110 | EN 54-2 | Nemko, Test Report, 238015-2 rev.01 | 101 |
| | IEC60092-504, 60533 | Nemko, Test Report, E13284.02 rev.2 | 99 |
| | EN 54-17 | Nemko, Test Report, 238015-1 rev.02 | 100 |
| | Product data | Autronica, Data Sheet, BU110/CGB 2014-05-16 | 97 |
| AutroSafe BV-110 | EN 54-2 | Nemko, Test Report, 238015-3 rev.01 | 102 |
| | IEC60092-504, 60533 | Nemko, Test Report, E13284.02 rev.2 | 99 |
| | EN 54-17 | Nemko, Test Report, 238015-1 rev.02 | 100 |
| | Product data | Autronica, Data Sheet, BV110/CGB 2014-05-16 | 98 |

Høvik, 2015-01-12
for **Det Norske Veritas AS**



Andrzej Gdaniec
