



中国船级社  
CHINA CLASSIFICATION SOCIETY

证书编号/Certificate No.  
BG25PTB00028

型式认可证书  
CERTIFICATE OF TYPE APPROVAL

兹证明本证书所述制造厂具备按照下列标准的要求生产本证书所列产品的能力和条件。

This is to certify that the manufacturer stated in the certificate meets the requirements of the standards listed below and is available with the ability and conditions to produce the products described in the certificate.

制造厂/Manufacturer

**Autronica Fire and Security AS**

地址/Address

Bromstadveien 59, N-7047 Trondheim, Norway

产品名称/Product

固定式探火和失火报警系统部件  
Components for Fixed Fire Detection and Alarm System

附加标志/Notations

无/Nil.

认可标准/Approval Standard

- 1974年国际海上人命安全公约及其修正案II-2章第7条  
Regulations 7, Chapter II -2 of International Convention For The Safety Of Life At Sea, 1974, as Amended
- 经MSC. 311 (88), MSC. 339 (91), MSC. 555 (108), MSC. 484 (103)修正的《国际消防安全系统规则》第9章  
Chapter 9 of International Code For Fire Safety Systems, as amended by MSC.311(88), MSC.339(91), MSC.555(108), MSC.484(103)

用于/Intended for

船舶/Ships

证书有效期至/This Certificate is valid until 2027年12月09日/ Dec. 09,2027

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Form No: T01.

联系方式/Contact Us, 见本社官方网站/See official web site of the Society (<http://www.ccs.org.cn>)

UTN:P025-05735348

**产品明细/Product Description****火灾探测器/Fire Detector (M0001)**

名称/Name	属性(值)/Value	单位/Unit
产品名称/Product Name	Multicriteria Protector with white VAD (Visual alarm device)	
型号/Type	V-430-VADW	
外壳防护等级/Degree of Protection of Enclosure	IP44D (IP55 when used with conduit box)	
防爆标志/Explosion-Proof Marking	N. A.	

**火灾探测器/Fire Detector (M0002)**

名称/Name	属性(值)/Value	单位/Unit
产品名称/Product Name	Multicriteria Protector with SIL2 approval, intrinsically safe for zone 2	
型号/Type	V-530-EXIC	
外壳防护等级/Degree of Protection of Enclosure	IP44D (IP55 when used with conduit box)	
防爆标志/Explosion-Proof Marking	Ex ic	

**火灾探测器/Fire Detector (M0003)**

名称/Name	属性(值)/Value	单位/Unit
产品名称/Product Name	Multicriteria Protector with sounder	
型号/Type	V-430-S	
外壳防护等级/Degree of Protection of Enclosure	IP44D (IP55 when used with conduit box)	
防爆标志/Explosion-Proof Marking	N. A.	

**火灾探测器/Fire Detector (M0004)**

名称/Name	属性(值)/Value	单位/Unit
产品名称/Product Name	Multicriteria Protector with white VAD (Visual alarm device)	
型号/Type	V-430-VADR	
外壳防护等级/Degree of Protection of Enclosure	IP44D (IP55 when used with conduit box)	
防爆标志/Explosion-Proof Marking	N. A.	

**火灾探测器/Fire Detector (M0005)**

名称/Name	属性(值)/Value	单位/Unit
产品名称/Product Name	Multicriteria Protector with white VAD (Visual alarm device)	
型号/Type	V-430-S-VADWR	
外壳防护等级/Degree of Protection of Enclosure	IP44D (IP55 when used with conduit box)	
防爆标志/Explosion-Proof Marking	N. A.	

**火灾探测器/Fire Detector (M0006)**

名称/Name	属性(值)/Value	单位/Unit
产品名称/Product Name	Multicriteria Protector with SIL2 approval	
型号/Type	V-530	
外壳防护等级/Degree of Protection of Enclosure	IP44D (IP55 when used with conduit box)	
防爆标志/Explosion-Proof Marking	N. A.	

**火灾探测器/Fire Detector (M0007)**

名称/Name	属性(值)/Value	单位/Unit

产品名称/Product Name	Multicriteria Protector with SIL2 approval, intrinsically safe for zone 0, 1 and 2	
型号/Type	V-530-EXIA	
外壳防护等级/Degree of Protection of Enclosure	IP44D (IP55 when used with conduit box)	
防爆标志/Explosion-Proof Marking	Ex ia	

**火灾探测器/Fire Detector (M0008)**

名称/Name	属性(值)/Value	单位/Unit
产品名称/Product Name	Optical smoke detector with self-verify	
型号/Type	BH-500/N	
外壳防护等级/Degree of Protection of Enclosure	IP44D	
防爆标志/Explosion-Proof Marking	Ex ic	

**火灾探测器/Fire Detector (M0009)**

名称/Name	属性(值)/Value	单位/Unit
产品名称/Product Name	Multicriteria Protector with white VAD (Visual alarm device)	
型号/Type	V-430-S-VADW	
外壳防护等级/Degree of Protection of Enclosure	IP44D (IP55 when used with conduit box)	
防爆标志/Explosion-Proof Marking	N. A.	

**火灾探测器/Fire Detector (M0010)**

名称/Name	属性(值)/Value	单位/Unit
产品名称/Product Name	Optical smoke detector without self-verify	
型号/Type	BH-200	
外壳防护等级/Degree of Protection of Enclosure	IP44D	
防爆标志/Explosion-Proof Marking	N. A.	

**火灾探测器/Fire Detector (M0011)**

名称/Name	属性(值)/Value	单位/Unit
产品名称/Product Name	Optical smoke detector with self-verify	
型号/Type	BH-300	
外壳防护等级/Degree of Protection of Enclosure	IP44D	
防爆标志/Explosion-Proof Marking	N. A.	

**火灾探测器/Fire Detector (M0012)**

名称/Name	属性(值)/Value	单位/Unit
产品名称/Product Name	Optical smoke detector with self-verify, environmentally protected	
型号/Type	BH-500	
外壳防护等级/Degree of Protection of Enclosure	IP44D	
防爆标志/Explosion-Proof Marking	N. A.	

**火灾探测器/Fire Detector (M0013)**

名称/Name	属性(值)/Value	单位/Unit
产品名称/Product Name	Optical smoke detector with self-verify	
型号/Type	BH-500/Ex	

外壳防护等级/Degree of Protection of Enclosure	IP44D	
防爆标志/Explosion-Proof Marking	Ex ia	

**火灾探测器/Fire Detector (M0014)**

名称/Name	属性(值)/Value	单位/Unit
产品名称/Product Name	Multi-sensor detector without self-verify, smoke / heat	
型号/Type	BH-220	
外壳防护等级/Degree of Protection of Enclosure	IP44D	
防爆标志/Explosion-Proof Marking	N. A.	

**火灾探测器/Fire Detector (M0015)**

名称/Name	属性(值)/Value	单位/Unit
产品名称/Product Name	Multi-sensor detector with self-verify, smoke / heat	
型号/Type	BH-320	
外壳防护等级/Degree of Protection of Enclosure	IP44D	
防爆标志/Explosion-Proof Marking	N. A.	

**火灾探测器/Fire Detector (M0016)**

名称/Name	属性(值)/Value	单位/Unit
产品名称/Product Name	Heat detector with self-verify	
型号/Type	BD-500/Ex	
外壳防护等级/Degree of Protection of Enclosure	IP44D	
防爆标志/Explosion-Proof Marking	Ex ia	

**火灾探测器/Fire Detector (M0017)**

名称/Name	属性(值)/Value	单位/Unit
产品名称/Product Name	Heat detector with self-verify	
型号/Type	BD-500/N	
外壳防护等级/Degree of Protection of Enclosure	IP44D	
防爆标志/Explosion-Proof Marking	Ex ic	

**火灾探测器/Fire Detector (M0018)**

名称/Name	属性(值)/Value	单位/Unit
产品名称/Product Name	Heat detector with self-verify	
型号/Type	BD-501	
外壳防护等级/Degree of Protection of Enclosure	IP56	
防爆标志/Explosion-Proof Marking	N. A.	

**火灾探测器/Fire Detector (M0019)**

名称/Name	属性(值)/Value	单位/Unit
产品名称/Product Name	Heat detector with self-verify	
型号/Type	BD-501/Ex	
外壳防护等级/Degree of Protection of Enclosure	IP56	
防爆标志/Explosion-Proof Marking	Ex ia	

**火灾探测器/Fire Detector (M0020)**

名称/Name	属性 (值) /Value	单位/Unit
产品名称/Product Name	Heat detector with self-verify	
型号/Type	BD-501/N	
外壳防护等级/Degree of Protection of Enclosure	IP56	
防爆标志/Explosion-Proof Marking	Ex ic	

**火灾探测器/Fire Detector (M0021)**

名称/Name	属性 (值) /Value	单位/Unit
产品名称/Product Name	Heat detector without self-verify	
型号/Type	BD-200	
外壳防护等级/Degree of Protection of Enclosure	IP44D	
防爆标志/Explosion-Proof Marking	N. A.	

**火灾探测器/Fire Detector (M0022)**

名称/Name	属性 (值) /Value	单位/Unit
产品名称/Product Name	Multi-sensor detector with self-verify, environmentally protected, smoke / heat	
型号/Type	BH-520	
外壳防护等级/Degree of Protection of Enclosure	IP44D	
防爆标志/Explosion-Proof Marking	N. A.	

**火灾探测器/Fire Detector (M0023)**

名称/Name	属性 (值) /Value	单位/Unit
产品名称/Product Name	Multi-sensor detector with self-verify, smoke / heat	
型号/Type	BH-520/Ex	
外壳防护等级/Degree of Protection of Enclosure	IP44D	
防爆标志/Explosion-Proof Marking	Ex ia	

**火灾探测器/Fire Detector (M0024)**

名称/Name	属性 (值) /Value	单位/Unit
产品名称/Product Name	Multi-sensor detector with self-verify, smoke / heat	
型号/Type	BH-520/N	
外壳防护等级/Degree of Protection of Enclosure	IP44D	
防爆标志/Explosion-Proof Marking	Ex ic	

**火灾探测器/Fire Detector (M0025)**

名称/Name	属性 (值) /Value	单位/Unit
产品名称/Product Name	Heat detector with self-verify	
型号/Type	BD-300	
外壳防护等级/Degree of Protection of Enclosure	IP44D	
防爆标志/Explosion-Proof Marking	N. A.	

**火灾探测器/Fire Detector (M0026)**

名称/Name	属性 (值) /Value	单位/Unit
产品名称/Product Name	Heat detector with self-verify, environmentally protected	

型号/Type	BD-500	
外壳防护等级/Degree of Protection of Enclosure	IP44D	
防爆标志/Explosion-Proof Marking	N. A.	

**火灾探测器/Fire Detector (M0027)**

名称/Name	属性(值)/Value	单位/Unit
产品名称/Product Name	Heat detector without self-verify	
型号/Type	BD-200M	
外壳防护等级/Degree of Protection of Enclosure	IP56	
防爆标志/Explosion-Proof Marking	N. A.	

**火灾探测器/Fire Detector (M0028)**

名称/Name	属性(值)/Value	单位/Unit
产品名称/Product Name	Multicriteria Protector	
型号/Type	V-430	
外壳防护等级/Degree of Protection of Enclosure	IP44D (IP55 when used with conduit box)	
防爆标志/Explosion-Proof Marking	N. A.	

**火灾探测器/Fire Detector (M0029)**

名称/Name	属性(值)/Value	单位/Unit
产品名称/Product Name	Heat detector	
型号/Type	BD-200PT series (BD-200PT/84-KIT, BD-200PT/100-KIT, BD200PT/120-KIT, BD-200PT/140-KIT, BD-200PT-RL/140-KIT)	
外壳防护等级/Degree of Protection of Enclosure	IP54 - with membrane glands (optional); IP66 - with cable glands (included).	
防爆标志/Explosion-Proof Marking	N. A.	

**手动报警按钮/Alarm Manual Points (M0001)**

名称/Name	属性(值)/Value	单位/Unit
型号/Type	BF-500V2/N	
外壳防护等级/Degree of Protection of Enclosure	IP65	
防爆标志/Explosion-Proof Marking	Ex ic	

**手动报警按钮/Alarm Manual Points (M0002)**

名称/Name	属性(值)/Value	单位/Unit
型号/Type	BF-502/N Manual call point with self-verify, M20 glands	
外壳防护等级/Degree of Protection of Enclosure	IP66/67	
防爆标志/Explosion-Proof Marking	Ex ic	

**手动报警按钮/Alarm Manual Points (M0003)**

名称/Name	属性(值)/Value	单位/Unit
型号/Type	BF-502 Manual call point with self-verify, M20 glands	
外壳防护等级/Degree of Protection of Enclosure	IP66/67	
防爆标志/Explosion-Proof Marking	N. A.	

**手动报警按钮/Alarm Manual Points (M0004)**

名称/Name	属性(值)/Value	单位/Unit

型号/Type	BF-502/Ex Manual call point with self-verify, M20 glands	
外壳防护等级/Degree of Protection of Enclosure	IP66/67	
防爆标志/Explosion-Proof Marking	Ex ia	

**手动报警按钮/Alarm Manual Points (M0005)**

名称/Name	属性(值)/Value	单位/Unit
型号/Type	BF-300V2 Manual call point with self-verify	
外壳防护等级/Degree of Protection of Enclosure	IP42D / IP44D	
防爆标志/Explosion-Proof Marking	N. A.	

**手动报警按钮/Alarm Manual Points (M0006)**

名称/Name	属性(值)/Value	单位/Unit
型号/Type	BF-500V2/Ex Manual call point with self-verify	
外壳防护等级/Degree of Protection of Enclosure	IP65	
防爆标志/Explosion-Proof Marking	Ex ia	

**手动报警按钮/Alarm Manual Points (M0007)**

名称/Name	属性(值)/Value	单位/Unit
型号/Type	BF-510WP-H Manual call point with self-verify, weatherproof	
外壳防护等级/Degree of Protection of Enclosure	IP52 / IP55	
防爆标志/Explosion-Proof Marking	N. A.	

**批准的图纸/Approved Drawings**

图纸批准号/ Drawings Approval No. : BG19PPP20018, NP21PPP02010 ,NP25PPP05552

**产品认可试验报告/ Approval Test Report**

试验报告编号/ Test Report No. : DPL/003/238/25  
 试验报告日期/ Test Report Date : 2025-08-01  
 试验单位/ Laboratory: CTM  
 试验单位地址/ Test Address: Poland

试验报告编号/ Test Report No. : 99-1491, Rev. 2  
 试验报告日期/ Test Report Date : 2000-01-04  
 试验单位/ Laboratory: DNV  
 试验单位地址/ Test Address: NORWAY

试验报告编号/ Test Report No. : DPL/003/237/25  
 试验报告日期/ Test Report Date : 2025-08-01  
 试验单位/ Laboratory: CTM  
 试验单位地址/ Test Address: Poland

试验报告编号/ Test Report No. : BFS/DE/1057-1999. 12. 09  
 试验报告日期/ Test Report Date : 1999-12-09  
 试验单位/ Laboratory: ANPI  
 试验单位地址/ Test Address: BELGIUM

试验报告编号/ Test Report No. : 832/BA/24  
 试验报告日期/ Test Report Date : 2025-08-29  
 试验单位/ Laboratory: SCIENTIFIC AND RESEARCH CENTRE FOR FIRE PROTECTION  
 试验单位地址/ Test Address: Poland

试验报告编号/ Test Report No. : BFS/REDI/155-2005. 06. 16  
试验报告日期/ Test Report Date : 2005-06-16  
试验单位/ Laboratory: ANPI  
试验单位地址/ Test Address: BELGIUM

试验报告编号/ Test Report No. : TE89823  
试验报告日期/ Test Report Date : 1999-02-12  
试验单位/ Laboratory: LPC  
试验单位地址/ Test Address: BRITAIN

试验报告编号/ Test Report No. : BA0678/400/2720/07  
试验报告日期/ Test Report Date : 2007-08-02  
试验单位/ Laboratory: CNBOP  
试验单位地址/ Test Address: POLAND

试验报告编号/ Test Report No. : 2009-3598, Rev. 2  
试验报告日期/ Test Report Date : 2009-11-20  
试验单位/ Laboratory: DNV  
试验单位地址/ Test Address: NORWAY

试验报告编号/ Test Report No. : DE080071  
试验报告日期/ Test Report Date : 2008-12-23  
试验单位/ Laboratory: CNPP  
试验单位地址/ Test Address: FRANCE

试验报告编号/ Test Report No. : 2002-3146, Rev. 03  
试验报告日期/ Test Report Date : 2002-02-26  
试验单位/ Laboratory: DNV  
试验单位地址/ Test Address: NORWAY

试验报告编号/ Test Report No. : 98-1390, Rev. 1  
试验报告日期/ Test Report Date : 1998-11-19  
试验单位/ Laboratory: DNV  
试验单位地址/ Test Address: NORWAY

试验报告编号/ Test Report No. : TE221656  
试验报告日期/ Test Report Date : 2005-08-18  
试验单位/ Laboratory: BRE  
试验单位地址/ Test Address: BRITAIN

试验报告编号/ Test Report No. : 187270  
试验报告日期/ Test Report Date : 2011-12-15  
试验单位/ Laboratory: NEMKO  
试验单位地址/ Test Address: NORWAY

试验报告编号/ Test Report No. : E12044. 00  
试验报告日期/ Test Report Date : 2012-05-29  
试验单位/ Laboratory: NEMKO  
试验单位地址/ Test Address: NORWAY

试验报告编号/ Test Report No. : 187264-01  
试验报告日期/ Test Report Date : 2016-04-08  
试验单位/ Laboratory: Nemko  
试验单位地址/ Test Address: Gaustadalleen 30, 0314 Oslo, Norway

试验报告编号/ Test Report No. : E12028. 01  
试验报告日期/ Test Report Date : 2017-02-20  
试验单位/ Laboratory: Nemko  
试验单位地址/ Test Address: Gaustadalleen 30, 0314 Oslo, Norway

试验报告编号/ Test Report No. : E18217. 00  
试验报告日期/ Test Report Date : 2018-11-15  
试验单位/ Laboratory: Nemko  
试验单位地址/ Test Address: Gaustadalleen 30, 0314 Oslo, Norway

试验报告编号/ Test Report No. : 187271  
试验报告日期/ Test Report Date : 2011-12-15  
试验单位/ Laboratory: NEMKO  
试验单位地址/ Test Address: NORWAY

试验报告编号/ Test Report No. : 180163  
试验报告日期/ Test Report Date : 2011-11-08  
试验单位/ Laboratory: NEMKO  
试验单位地址/ Test Address: NORWAY

试验报告编号/ Test Report No. : 2001-3252, Rev. 1  
试验报告日期/ Test Report Date : 2001-07-12  
试验单位/ Laboratory: DNV  
试验单位地址/ Test Address: NORWAY

试验报告编号/ Test Report No. : 2001-3416, Rev. 1  
试验报告日期/ Test Report Date : 2001-10-11  
试验单位/ Laboratory: DNV  
试验单位地址/ Test Address: NORWAY

试验报告编号/ Test Report No. : 2010-3107, Rev. 1  
试验报告日期/ Test Report Date : 2010-05-05  
试验单位/ Laboratory: DNV  
试验单位地址/ Test Address: NORWAY

试验报告编号/ Test Report No. : DE080070  
试验报告日期/ Test Report Date : 2008-12-23  
试验单位/ Laboratory: CNPP  
试验单位地址/ Test Address: FRANCE

试验报告编号/ Test Report No. : DE080073  
试验报告日期/ Test Report Date : 2008-12-23  
试验单位/ Laboratory: CNPP  
试验单位地址/ Test Address: FRANCE

试验报告编号/ Test Report No. : 1975/BA/04  
试验报告日期/ Test Report Date : 2006-06-06  
试验单位/ Laboratory: CNBOP  
试验单位地址/ Test Address: POLAND

试验报告编号/ Test Report No. : TE200205  
试验报告日期/ Test Report Date : 2001-01-11  
试验单位/ Laboratory: LPC  
试验单位地址/ Test Address: BRITAIN

试验报告编号/ Test Report No. : BFS/REDI/154-2005. 06. 03  
试验报告日期/ Test Report Date : 2005-06-03  
试验单位/ Laboratory: ANPI  
试验单位地址/ Test Address: BELGIUM

试验报告编号/ Test Report No. : 2000-1178, Rev. 2  
试验报告日期/ Test Report Date : 2000-03-13  
试验单位/ Laboratory: DNV  
试验单位地址/ Test Address: NORWAY

试验报告编号/ Test Report No. : E12031. 00  
试验报告日期/ Test Report Date : 2011-12-15  
试验单位/ Laboratory: Nemko  
试验单位地址/ Test Address: Gaustadalleen 30, 0314 Oslo, Norway

试验报告编号/ Test Report No. : 103874656LHD-025  
试验报告日期/ Test Report Date : 2021-02-18  
试验单位/ Laboratory: Intertek Testing & Certification Ltd.  
试验单位地址/ Test Address: Unit D, Imperial Park, Randalls Way, Leatherhead, Surrey, UK.

试验报告编号/ Test Report No. : 103963397LHD-021  
试验报告日期/ Test Report Date : 2020-11-20  
试验单位/ Laboratory: Intertek Testing & Certification Ltd.  
试验单位地址/ Test Address: Unit D, Imperial Park, Randalls Way, Leatherhead, Surrey, UK.

试验报告编号/ Test Report No. : 103963397LHD-022  
试验报告日期/ Test Report Date : 2020-11-20  
试验单位/ Laboratory: Intertek Testing & Certification Ltd.

试验单位地址/ Test Address: Unit D, Imperial Park, Randalls Way, Leatherhead, Surrey, UK.

试验报告编号/ Test Report No. : 103874656LHD-021

试验报告日期/ Test Report Date : 2020-03-20

试验单位/ Laboratory: Intertek Testing & Certification Ltd.

试验单位地址/ Test Address: Unit D, Imperial Park, Randalls Way, Leatherhead, Surrey, UK.

试验报告编号/ Test Report No. : 103874656LHD-022

试验报告日期/ Test Report Date : 2020-03-20

试验单位/ Laboratory: Intertek Testing & Certification Ltd.

试验单位地址/ Test Address: Unit D, Imperial Park, Randalls Way, Leatherhead, Surrey, UK. Unit D, Imperial Park, Randalls Way, Leatherhead, Surrey, UK.

试验报告编号/ Test Report No. : 103874656LHD-023

试验报告日期/ Test Report Date : 2020-03-20

试验单位/ Laboratory: Intertek Testing & Certification Ltd. Intertek Testing & Certification Ltd.

试验单位地址/ Test Address: Unit D, Imperial Park, Randalls Way, Leatherhead, Surrey, UK. Unit D, Imperial Park, Randalls Way, Leatherhead, Surrey, UK.

试验报告编号/ Test Report No. : 103874656LHD-024

试验报告日期/ Test Report Date : 2020-03-20

试验单位/ Laboratory: Intertek Testing & Certification Ltd.

试验单位地址/ Test Address: Unit D, Imperial Park, Randalls Way, Leatherhead, Surrey, UK.

试验报告编号/ Test Report No. : 253456/01

试验报告日期/ Test Report Date : 2023-11-09

试验单位/ Laboratory: DNV Product Assurance AS

试验单位地址/ Test Address: Veritasveien 1 1363 Høvik Norway

试验报告编号/ Test Report No. : 315748/01

试验报告日期/ Test Report Date : 2023-11-06

试验单位/ Laboratory: DNV Product Assurance AS

试验单位地址/ Test Address: Veritasveien 1 1363 Høvik Norway

试验报告编号/ Test Report No. : DNV 21ATEX14779X issue 1

试验报告日期/ Test Report Date : 2023-05-31

试验单位/ Laboratory: DNV Product Assurance AS

试验单位地址/ Test Address: Veritasveien 1 1363 Høvik Norway

试验报告编号/ Test Report No. : DNV 22ATEX13772X issue 1

试验报告日期/ Test Report Date : 2023-05-05

试验单位/ Laboratory: DNV Product Assurance AS

试验单位地址/ Test Address: Veritasveien 1 1363 Høvik Norway

试验报告编号/ Test Report No. : Nemko 03ATEX218X Issue 11

试验报告日期/ Test Report Date : 2023-11-30

试验单位/ Laboratory: Nemko Group AS

试验单位地址/ Test Address: Philip Pedersens vei 11, 1366 Lysaker, Norway

试验报告编号/ Test Report No. : Nemko 03ATEX 230 Issue 7

试验报告日期/ Test Report Date : 2019-09-19

试验单位/ Laboratory: Nemko Group AS

试验单位地址/ Test Address: Philip Pedersens vei 11, 1366 Lysaker, Norway

试验报告编号/ Test Report No. : Nemko 03ATEX217X Issue 9

试验报告日期/ Test Report Date : 2023-11-30

试验单位/ Laboratory: Nemko Group AS

试验单位地址/ Test Address: Philip Pedersens vei 11, 1366 Lysaker, Norway

## 认可后的产品检验方式/ Method of Product Inspection after Approval

认可后的产品检验由制造厂按本社批准的产品检验计划进行，本社在文件审核合格后颁发船用产品证书。

After approval, product inspection should be carried out by the Manufacturer in accordance with the product inspection scheme approved by the Society, and the Marine Product Certificate is issued by the Society upon satisfactory documents review.

## 认可保持条件/ Maintenance Requirements of Approval

1. 型式认可后, 如果产品及其重要零部件的设计、所用材料或制造方法有所改变, 且影响到产品的主要特性、特征; 或产品的性能指标有所更改, 且超过认可的范围, 则有关图纸和文件应经检验机构审批。并在检验机构认为必要时, 经本社检验人员见证有关试验和进行检查, 其结果应能证实仍符合认可条件。

After type approval, if there are changes to the design, materials used or manufacturing method of the product and important components and such changes affect major characteristics and properties of the product, or property indexes of the product are changed and exceed the scope of approval, related drawings and documents are to be examined and approved by the concerned survey office. Where deemed necessary by the survey office, the surveyor to the Society will go to witness relevant tests and conduct inspection and the results should be able to demonstrate compliance with the approval conditions.

2. 工厂的质量管理体系应保持有效运行, 并且与认可时一致。如果质量管理体系发生改变, 应经原体系认证机构审核并报本社批准。

The quality management system of the factory shall be ensure effective operation, and shall be the same as the situation of approval. If there are any changes to the quality management system, auditing of the original certification organization for quality management system and the society's approval shall be obtained.

3. 认可证书有效期内, 如果出现可能导致本社取消认可的情况, 工厂应及时采取有效的纠正措施。

Within the validity of the approval certificate, if cases occur that may cause the Society to withdraw the approval, the manufacturer should take corrective actions in a prompt and effective manner.

4. 在认可证书有效期内, 本社检验人员可在未经事先通知的情况下对工厂的产品制造过程进行审核, 以验证产品的生产是否符合业经本社批准的图纸和文件。工厂应予以配合。

Within the validity of the approval certificate, the surveyor to the Society may pay unannounced audit to the manufacturing process of the product in order to confirm whether it is in compliance with the drawings and documents approved by the Society. The factory should provide an active cooperation and necessary for the surveyor.

5. 如果属于获得型式认可B模式证书, 采用替代发证计划时, 证书获得者应接受本社每年一次的定期审核, 定期审核日为认可证书期满之日对应的每一周年日, 检查工作应在周年日的前后三个月内进行。

If belong to the situation of the product has type approval mode B certificate, and using the Alternative Certification Scheme, those who have obtained the certificate should be subject to periodical audit every year. The date of periodical audit shall be each anniversary date which corresponds to the date of expiry of the relevant certificate and the periodical audit shall be done within a time span of three months before and after the annual surveillance date.

## 备注/Remarks

I. 本证书由原型式认可证书 (No. BG23PTB00014) 变更并替代原证书。

This Certificate is modified from and supersedes the previous Type Approval Certificate No. BG23PTB00014.

II. The components details

2.1 For some more details of other optional components such as address interface units, additional field equipment, conduit and sockets, please refer to the additional page.

2.2 For the Heat Detector BD-200PT series:

2.2.1 Final product sensor + interface box as kit: BD-200PT/84-KIT, BD-200PT/100-KIT, BD-200PT/120-KIT, BD-200PT/140-KIT;

Sensor: BD-200PT-S;

Interface box: BD-200PT-I/84, BD-200PT-I/100, BD-200PT-I/120, BD-200PT-I/140;

Al\_Com communication with short circuit functionality.

2.2.2 Final product sensor with enclosure + interface box as kit: BD-200PT-RL/140-KIT

Sensor with enclosure: BD-200PT-S-ENCLOSURE;

Interface box: BD-200PT-I-RL/140;

Relay communication (conventional).

III. The Ex-Proof parameters of the approved products originate from Ex- Certificate received from the manufacturer :

Issuing Body: DNV Product Assurance AS

Ex-Certificate No.: DNV 21 ATEX 14779X Issue 1 and DNV 22ATEX13772X issue 1

Standards for Ex-Proof: EN IEC 60079-0:2018 and EN 60079-11:2012

Issuing Body: Nemko Group AS

Ex-Certificate No.: Nemko 03ATEX218X Issue 11 and Nemko 03ATEX217X Issue 9

Standards for Ex-Proof: EN IEC 60079-0:2018 and EN 60079-11:2012

Issuing Body: Nemko Group AS

Ex-Certificate No.: Nemko 03ATEX 230 Issue 7

Standards for Ex-Proof: EN 60079-0:2012/A11:2013 and EN 60079-11: 2012

Above certificates are not approved by CCS.

This Type Approval Certification will be invalid if the approved products do not hold valid Ex-

Certificate.

IV. The type V-430 is available with an option for Cover Detection & SelfVerify (option/ CD), tested with base V-100. Ex ia/Ex ic for the V-530 series is available with an option for High Sensitivity (Option/ HS), tested with base V-110 and V-120.

V. The V-430 and V-530 series detectors can work in 3 models independently; they are the multimodel(both heat and smoke), heat-only model, and smoke-only model.

VI. 本社已审核了产品厂无石棉声明，但本社的审核不免除产品厂按照合同关系向订货方保证产品无石棉的责任。  
The declaration of asbestos-free submitted by manufacturer has been reviewed by the Society. However, liability of the manufacturer to guarantee the products are asbestos-free to purchaser under contract will not be exempted.

**中国船级社卑尔根办事处**

**CCS Bergen Office**

注：本证书含有附页，共1页

Note: The certificate is attached with additional 1 page(s)

## Other optional components

Name of product	Type	Degree of Protection of Enclosure	Explosion-Proof Marking
Address interface units			
Single monitored input unit	BN-303	IP54 / IP67	N.A.
Single monitored input/output unit	BN-304	IP54 / IP67	N.A.
Dual monitored input/output unit	BN-305	IP54 / IP67	N.A.
Monitored fire alarm device control unit	BN-307	IP54 / IP67	N.A.
Door control unit	BN-320/2	IP54 / IP67	N.A.
Monitoring and control unit	BN-320/4	IP54 / IP67	N.A.
Sprinkler control unit	BN-320/5	IP54 / IP67	N.A.
Conventional loop interface unit/End of line unit	BNB-330A/BNY-330	IP20	
Conventional loop interface unit/End of line unit	BNB-331/BNY-330	IP20	N.A.
Loop interface input unit, 1 mon. digital input	BN-500/N	IP54 / IP67	Ex ic
Loop interface input unit, 1 mon. digital input	BN-500/Ex	IP54 / IP67	Ex ia
Additional field equipment			
Ex interface unit	BZ-500	IP55	Ex ia IIC
Disconnect unit timer	BW-200	IP66	N.A.
AutoSafe smart buzzer	BBR-52	N.A.	N.A.
Addressable sounder	BBR-200	IP44	N.A.
Addressable sounder with base	BBR-130	IP22	N.A.
Sounder indoor – Addressable	BBR-230	IP42	N.A.
Sounder outdoor – Addressable	BBR-230/IP	IP66	N.A.
Sounder/Strobe with base	BBQ-130	IP22	N.A.
Sounder/Strobe indoor–Addressable	BBQ-230	IP42	N.A.
Sounder/Strobe outdoor–Addressable	BBQ-230/IP	IP66	N.A.
Beacon indoor – Addressable	BBL-100	IP32C	N.A.
Beacon outdoor – Addressable	BBL-100/IP	IP66	N.A.
Socket, conduit			
Conduit box w/M20(PG13, 5/5-12mm) glands (for BWA-xxx) 2 glands	BWP-100/20	IP55	N.A.
Conduit box w/M25 (PG16/7-14mm) glands (for BWA-xxx) 2 glands	BWP-100/25	IP55	N.A.