EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB0000B5U
Revision no.:
0

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as “Forskrift om Skipsutstyr” by the Norwegian Maritime Authority. This Certificate is issued by DNV AS under the authority of the Government of Norway.

This is to certify:

that the **Fixed fire detection and fire alarm systems components for control stations, service spaces, accommodation spaces, cabin balconies, machinery spaces and unattended machinery spaces: - heat detectors- point detectors**

with type designation(s)
High-temperature heat detector BD-200PT

issued to

Autronica Fire and Security AS

Trondheim, **Norway**

is found to comply with the Implementing Regulation **(EU) 2025/1533** for
Item no. **MED/3.51c** (Row **1 of 1**)
according to the following requirements:
MED/3.51c and MED/3.51g, SOLAS 74 Reg. II-2/7, IMO Res. MSC.36(63)-(1994 HSC Code) 7, IMO Res. MSC.97(73)-(2000 HSC Code) 7, IMO Res. MSC.391(95)-(IGF Code) 11, IMO MSC.1/Circ.1242, SOLAS 74 Reg. X/3, IMO Res.MSC.98(73)-(FSS Code) 9

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

Date of issue: **2025-09-23**

Expiry date: **2030-09-22**

DNV local unit:
Trondheim

Approval Engineer:
Ståle Sneen

Notified Body
no.: **0575**

for **DNV AS**

Christine Mydlak-Röder
Head of Notified Body

NORWEGIAN ACCREDITATION PROD 019

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer’s Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.
This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.
Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees (“DNV”) arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

Product description

Please see Appendix: Product Description

Application/Limitation

Please see Appendix: Application/Limitation

Type Examination documentation

Tests carried out

Applicable tests according to:
- EN 54-5:2017 incl. A1:2018
- IEC 60092-504:2016
- IEC 60533:2015
- EN 54-17:2005 incl. AC:2007 (All variants except BD-200PT-I-RL/140)

Marking of product

For identification to this type examination certificate the products shall be marked with:
- Manufacturer's name or trade mark
- Type designation
- Mark of Conformity (wheel mark), followed by
    - identification number of the NoBo involved in production control (MED D)
    - the year the mark is affixed
    - Example: 0575/2025

APPENDIX
Product Description

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The high temperature heat detector BD-200PT designed according to EN 54 for use with Autronica's interactive fire detection systems and is available in AL_Com communication version and Relay version.

AL_Com product models:

Model name	Description	EN 54-5 Category
BD-200PT/120-KIT	Heat detector kit with sensor and interface box for alarm temperature 120°C	ES
BD-200PT/140-KIT	Heat detector kit with sensor and interface box for alarm temperature 140°C	FS
BD-200PT-I/120	Heat detector interface box for alarm temperature 120°C	-
BD-200PT-I/140	Heat detector interface box for alarm temperature 140°C	-
BD-200PT-S	Heat detector sensor for temperature 120°C and 140°C	-

Relay product models:

Model name	Description	EN 54-5 Category
BD-200PT-RL/140-KIT	Heat detector kit with sensor and interface box for alarm temperature 140°C	FS
BD-200PT-I-RL/140	Heat detector interface box for alarm temperature 140°C	-
BD-200PT-S-ENCLOSURE	Heat detector sensor with enclosure for temperature 140°C	-

APPENDIX
Application/Limitation

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The equipment is found to comply with following location/application dependent requirements (for definition of each of the location classes, see below the table):

TEMP.	VIBRATION	EMC	ENCLOSURE
TEM-D	VIB-B	EMC-B	ENC-B

Definition of the location classes with reference to relevant standards:

Temperature:	TEM-D	Location (-25°C-70°C) (ref. IEC 60092-504:2016 table 1 item 6-7) and relevant EN 54-5 category (see Product description)
Vibration:	VIB-B	For eq. on reciprocating machines etc. (ref. IEC 60092-504:2016 table 1 item 10)
EMC:	EMC-B	Bridge and open deck zone (ref. IEC 60092-504:2016 table 1 item 13-20)
Enclosure:	ENC-B	Interface box: IP54 with membrane glands : IP66 with gland 116-6571-011.1920 + nut 116-6531-006.1920 (refer datasheet) Sensor : IP66 (ref. IEC 60092-201:1994 table 5)