



Confirmation of Product Type Approval

Company Name: AUTRONICA FIRE AND SECURITY AS

Address: BROMSTADVEGEN 59P.O. BOX 5620 N-5620 Norway

Product: Fire Detection Control Equipment

Model(s): Addressable Field Units for Autosafe and Autoprime fire detection system.

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	19-LD1881339-1-PDA	10-DEC-2019	22-AUG-2024
Manufacturing Assessment (MA)	15-TR2939928	03-OCT-2015	02-OCT-2020
Product Quality Assurance (PQA)	NA	NA	NA

Tier

3

Intended Service

ABS classed vessels and offshore installations in accordance with the listed ABS Rules and International standards.

Description

Part 1: Fire Detectors - BD-200, BD-300, BD-500, BD-500/EX & /N; BH-200, BH-300, BH-500, BH-500/EX & /N; BH-220, BH-320, BH-520, BH-520/EX & /N; BWP-143/xxx, BWP-143A and BWB-110.

Part 2: I/O Units - BN-500/EX.

Part 3: Manual Call Points - BF-501/N & /EX, BF-502/N & /EX, BF-503/N & /EX, BF-500 V2/N, BF-500 V2/EX, BF-501, BF-502, BF-503, BF-503V2

Part 5: Electronic Sounder - BBR-200.

Part 6: Ex Barrier Unit - BZ-500.

Part 7: Autrokeeper BN-180.

Part 8: Single monitored input unit BN-303 & BN-305.

Part 9: Single monitored input/output unit BN-304.

Part 10: Monitored fire alarm device control unit BN-307 & BN-305-D.

Part 11: Conventional loop interface BNB-330A & BNB-331.

Part 12: BS-100 Loop interface BSD-330

Note: The detector head carries an additional H in the product name, the listed products include the mandatory socket BWA-100.

Ratings

Power supply: 15 or 24 VDC,

BF503 (N/EX) Enclosure Rating: IP66 & 67;

Temp: -25C to +70C

Relevant Certification: MEM 11 0009X Call Points, Heat, Smoke Detectors and Input units and MEM 11 0017X for Loop Driver and detectors

Service Restrictions

- Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

- EEx ia detectors and MCP must be connected to the approved barrier BZ-500.

Comments

The client has submitted a declaration for the control, or lack of, asbestos in this product.

Notes, Drawings and Documentation

Drawing No. 03ATEX217X, examination certificate, Revision: -, Pages: 1

Drawing No. 03ATEX218X, examination certificate, Revision: -, Pages: 1

Drawing No. BF-500V2_N VS BF-500V2_EX_BJF Similarity, BF-500V2_N VS BF-500V2_EX_BJF Similarity, Revision: -, Pages: 1

Drawing No. MED-B-9025, MED-B-9025, Revision: -, Pages: 1

Drawing No. Nemko E18217.00 TRF EMC ENV, test report, Date: 15-Nov-2018, NEMKO, Revision: -, Pages: 1

Drawing No. Technical Report 2009-3598, Rev, Technical Report 2009-3598, Date: 20-11-2009, DNV Revision: 2, Pages: 1

Drawing No. bf300v2_cgb, datasheet, Revision: -, Pages: 1

Drawing No. bf500v2ex_cgb, datasheet, Revision: -, Pages: 1

Drawing No. bf500v2n_cgb, datasheet, Revision: -, Pages: 1

Drawing No. bf501_cgb, datasheet, Revision: -, Pages: 1

Drawing No. bf501ex_cgb, datasheet, Revision: -, Pages: 1

Drawing No. bf501n_cgb, datasheet, Revision: -, Pages: 1

Drawing No. bf502_cgb, datasheet, Revision: -, Pages: 1

Drawing No. bf502ex_cgb, datasheet, Revision: -, Pages: 1

Drawing No. bf502n_cgb, datasheet, Revision: -, Pages: 1

Drawing No. bf503_cgb, datasheet, Revision: -, Pages: 1

Drawing No. bnb330a_cgb, datasheet, Revision: -, Pages: 1

Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 22/Aug/2024 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

ABS Rules

- Marine Vessels Rules (2019): 1-1-4/7.7, 1-1-A3, 1-1-A4, 4-7-3/11.3.3, 4-8-3/1.7, 4-9-9/7, 4-9-9/13, 4-9-9/Table1
- Steel Vessels for Service on Rivers and Intracoastal Waterways (2019): 1-1-4/7.7, 1-1-A3, 1-1-A4
- Steel Barge Rules (2019): 1-1-4/7.9, 1-1-A3, 1-1-A4
- High Speed Crafts (2019): 1-1-4/11.9, 1-1-A2, 1-1-A3, 4-6-1/11, 4-7-9/7, 4-7-9/15, 4-7-9/Table 9
- Mobile Offshore Units (2019): 1-1-4/9.7, 1-1-A2, 1-1-A3, 4-1-1/7.9, 4-3-1/11, 6-1-1/9, 6-1-1/13
- Facilities on Offshore Installations (2019): 1-1-4/9.7, 1-1-A2, 1-1-A3

International Standards

IACS UR E10 Rev.6:2014

SOLAS II-2/7-2 and IMO FSS Code Chapter 9

IEC 60533:2015

IEC 60079-0:2017

IEC 60079-11:2011

IEC 60079-26:2014

EU-MED Standards

NA

National Standards

EN 54-2:1997+A1:2006

EN 54-4:1998

Government Standards

NA

Other Standards

NA



A handwritten signature in black ink, appearing to read 'James J. White'.

ABS has used due diligence in the preparation of this certificate, and it represents the information on the product in the ABS Records as of the date and time the certificate is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.