



Confirmation of Product Type Approval

Company Name: AUTRONICA FIRE AND SECURITY AS

Address: BROMSTADVEGEN 59 TRONDHEIM 7047 Norway

Product: Alarm Sounding and Light Devices

Model(s): BBR-110, BBR-130, BBR-230, BBR-230/IP, BBQ-130, BBQ-230, BBQ-230/IP, BBL-100, BBL-100/IP

Endorsements:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	25-0391627-PDA	31-OCT-2025	30-OCT-2030
Manufacturing Assessment (MA)	24-6708597	18-NOV-2024	17-NOV-2029
Product Quality Assurance (PQA)	NA	NA	NA

Tier

3 - Type Approved, unit certification not required

Intended Service

For use on ABS classed vessels and offshore facilities in accordance with the listed ABS Rules and International Standards.

Description

The units are Loop Powered fire alarm sounders / strobes and sounder beacons for both indoor and outdoor use. Each unit provides up to 16 tones of sounds with two sound levels at 103 dB and 90 dB. Line isolation is an integral part of the device with reflecting sound monitoring features. Nine specific variants of sounders and sounder / beacon - strobe with or without base complete the range. These sounders are intended for use with the AutroSafe and Autoprime fire detection systems.

BBR-110 is Addressable Sounder with base for indoor use.

BBR-130 is Addressable Sounder with base for indoor use.

BBR-230 is Addressable Sounder for indoor use.

BBR-230/IP is Addressable Sounder for outdoor use.

BBQ-130 is Addressable Sounder / Strobe with base for indoor use.

BBQ-230 is Addressable Sounder for indoor use.

BBQ-230/IP - is Addressable Sounder for outdoor use.

BBL-100 is Addressable Beacon for indoor use.

BBL-100/IP is Addressable Beacon for outdoor use.

Ratings

Operating temperature: Indoor -10 to 55 degree C, Outdoor -25 to 70 degree C

Enclosure rating: Indoor IP22, Outdoor IP65

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.

Comments

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes, Drawings and Documentation

Drawing No. Doc-1000272, Doc-1000272 bbl100ip_cgb, Revision: 1, Pages: 2

Drawing No. Doc-1000288, Doc-1000288 bbr230ip_cgb, Revision: 2, Pages: 2

Drawing No. Doc-1010852, Doc-1010852 BRE Test report TE 243617, Revision: 1, Pages: 207

Drawing No. Doc-1000274, Doc-1000274 bbq130_cgb, Revision: 4, Pages: 2

Drawing No. Doc-1004337, Doc-1004337 MEDB000014H, Revision: 2, Pages: 4

Drawing No. Doc-1010986, Doc-1010986 Intertek 103747439LHD-021, Revision: 1, Pages: 32

Drawing No. Doc-1000276, Doc-1000276 bbq230_cgb, Revision: 2, Pages: 3

Drawing No. Doc-1004988, Doc-1004988 Nemko ISO 9001 2015, Revision: 2, Pages: 1

Drawing No. Doc-1020291, Doc-1020291 Nemko 18217.00, Revision: 1, Pages: 38

Drawing No. Doc-1000278, Doc-1000278 bbq230ip_cgb, Revision: 2, Pages: 3

Drawing No. Doc-1000803, 0832-CPD-1039_BBL100, Revision: 1, Pages: 1

Drawing No. Doc-1000270, Doc-1000270 bbl100_cgb, Revision: 1, Pages: 2

Drawing No. Doc-1000280, Doc-1000280 bbr110_cgb, Revision: C, Pages: 2

Drawing No. Doc-1000282, Doc-1000282 bbr130_cgb, Revision: 2, Pages: 2

Drawing No. Doc-1000286, Doc-1000286 bbr230_cgb, Revision: 3, Pages: 2

Drawing No. Doc-1000804, 0832-CPD-1040_BBL100IP, Revision: 1, Pages: 2

Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 30/Oct/2030 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

Rules for Conditions of Classification, Part 1A - 2025 Marine Vessel Rules 1A-1-4/7.7, 1A-1-A3, 1A-1-A4, which covers the following:

2025 Marine Vessels Rules: 4-1-1/3.3, 4-1-1/7.15, 4-8-3/1.7, 4-8-3/1.11, 4-9-9/7, 4-9-9/13, 4-9-9/15.7 Table1 and Table 2

Rules for Conditions of Classification, Part 1B - 2025 Offshore Units and Structures 1B-1-4/9.7, 1B-1-A2, 1B-1-A3 which covers the following:

2025 Offshore Units Rules: 4-1-1/7.9, 4-3-1/11, 4-3-1/15, 6-1-1/9, 6-1-1/13

International Standards

IACS UR E10, Rev.9, 2023

EN 54-17 (2005)

EU-MED Standards

NA

National Standards

NA

Government Standards

NA

Other Standards

NA



A handwritten signature in black ink.

Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 17-Nov-2025 7:20

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.