

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB0000B9S
Revision no.:
0

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

that the **Sample extraction smoke detection systems components: - power supply equipment**

with type designation(s)

Sample extraction smoke detection system/SES-36

issued to

Yangzhou Win Bang Electronic Co., Ltd.
YANGZHOU, China

is found to comply with the Implementing Regulation (EU) 2025/1533 for
Item no. **MED/3.63b** (Row **4 of 4**)

according to the following requirements:

SOLAS 74 Reg. II-2/7, SOLAS 74 Reg. II-2/19, SOLAS 74 Reg. II-2/20, IMO Res. MSC.98(73)-(FSS Code) 10, SOLAS 74 Reg. II-2/19, SOLAS 74 Reg. II-2/20.

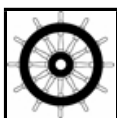
Further details of the equipment and conditions for certification are given overleaf.

Date of issue: **2025-11-18**

Expiry date: **2030-11-17**

DNV local unit:
Nanjing NB & CMC

Approval Engineer:
Heinz Scheffler



Notified Body
no.: **0098**

for **DNV SE**

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Christine Mydlak-Röder
Head of Notified Body

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 SE 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

Ex-certification:

Ex-certification is not covered by this certificate. Application in hazardous area to be approved in each case according to the rules and Ex-certification / special condition for safe use listed in valid Ex-certificate issued by a notified / recognized certification body.

Project documentation for the SES-36 System:

According to Chapter 10 of the FSS Code, the required project documents must be submitted to the flag administration.

If DNV is the recognized organization (RO of the flag administration), the following documents must be submitted:

- Reference to this type approval certificate
- DNV type approval certificate for electronic built-in devices not produced by the manufacturer
- Functional description (including description of the functions covered by the software)
- Configuration of the application software and software release
- System block diagram
- Description of the user interface
- Electrical diagram with interfaces (including list of control and monitoring points)
- Power supply layout (may be part of the system block diagram)
- Layout sketches indicating the position of intake points, fans and central units.
- Test program for application software from the manufacturer

Periodical testing and Maintenance:

The testing shall comply with instructions from flag administration and maker's maintenance manual.

Type Examination documentation

Tests carried out

- IMO Res. MSC.98(73) - (FSS Code) 10.
- EN 54-4:1997 incl. AC:1999 and A1:2006.
- IEC 60092-504:2016,
- IEC 60533:2015.
- EN IEC 60079-0:2018, incl. AC:2020-02, and A11:2024

Marking of product

Marking of product

For identification to this type examination certificate the products shall be marked with:

- Manufacturer name
- Type designation with device type
- Serial Number
- According to Chapter 2 -The Wheel Mark- of the Council Directive (MED

APPENDIX

Product Description

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Power supply equipment of the SES-36 Sample extraction smoke detection systems

No.	Equipment Name	Type	Ingress Protection	Installation Location
1	Power Supply Module	WB7.820.003	IP20	Located in Control Panel SES-CP
2	Power Supply Module	SES-CP2-PW	IP20	Located in Control Panel SES-CP2