



EC TYPE EXAMINATION (MODULE B)
CERTIFICATE No. MED208723CS

This is to certify that RINA Services S.p.A. (Notified Body No. 0474) did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Navigation Equipment requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of Regulation (EU) 2023/1667.

<i>MED Item N°</i>	MED/4.23
<i>Description</i>	Magnetic compass Class B for lifeboats and rescue boats
<i>Type</i>	ASTRA 4" (BAS1)
<i>Applicant</i>	RIVIERA SOCIETA' A RESPONSABILITA' LIMITATA GENOVA VIA INFERIORE RIO MAGGIORE 4 A 16138 Genova (GE) ITALY
<i>Testing standards</i>	ISO 1069:1973, ISO 25862:2019, IEC 60945:2002 incl. IEC 60945 Corr. 1:2008.
<i>Reference standards</i>	SOLAS 74 Reg.III/34, IMO Res.MSC.48(66)-(LSA Code) IV, IMO Res.MSC.48(66)-(LSA Code) V, IMO Res.MSC.36(63)-(1994 HSC Code) 8, IMO Res.MSC.36(63)-(1994 HSC Code) 13, IMO Res.MSC.97(73)-(2000 HSC Code) 8, IMO Res.MSC.97(73)-(2000 HSC Code) 13.

Issued in Genoa on
June 20, 2024

This Certificate is valid until
June 19, 2029

This Certificate consists of this sheet plus an attachment

Giovanni Carratino

RINA Services S.p.A.



**ATTACHMENT TO
CERTIFICATE No. MED208723CS
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Manufacturer

RIVIERA SOCIETA' A RESPONSABILITA' LIMITATA GENOVA

Place of Manufacturer

VIA INFERIORE RIO MAGGIORE 4 A
16138 Genova (GE)
ITALY

Name & place of Authorised Representative

Tiziana Murgia
GENOVA
ITALY

Product description

Hemispherical compass type;
Material of bowl: nylon/glass fibre;
Material of spherical bowl: polycarbonate;
Compass card: dia. 84 mm (apparent dia 100 mm);
Number of magnets: 2;
Magnetic moment: 0,270 A.m²;
Type of liquid: EXXSOL D80;
Means of illumination: blue led (12 or 24 V).

Field of application

Magnetic compass Class B to be use on board of lifeboats and rescue boats according to LSA Code.

Reference documents

Product description drawing issued by RIVIERA SOCIETA' A RESPONSABILITA' LIMITATA GENOVA and approved by RINA with n° CSST-22871.

Material description schedules filed by RINA as CSST-22870 and CSST-22879 or attached to the drawing CSST-22871.

Technical description and user's manual issued by RIVIERA SOCIETA' A RESPONSABILITA' LIMITATA GENOVA and filed by RINA with n° CSST-22872 and CSST-22873.

Declaration of conformity according Annex B of ISO 25862 issued by RIVIERA SOCIETA' A RESPONSABILITA' LIMITATA GENOVA and filed by RINA with n° CSST-22894.

Tests carried out

Test type approval report witnessed and filed by RINA with n° CSST-22869;

Damp heat test report n° 222041A-b issued by TesLab SRL and filed by RINA with n° CSST-22874;

High and Low temperature test report n° 233074A issued by TesLab SRL and filed by RINA with n° CSST-22875;

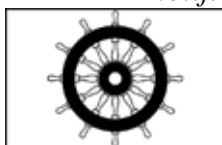
Rain and spray test report n° 22-4790306765-1-1-0-PER issued by UL INTERNATIONAL ITALIA S.r.l and filed by RINA with n° CSST-22876 and CSST-22878;

Vibration test report n° VR2208201RIOF.docx issued by Centrotecnica SRL and filed by RINA with n° CSST-22877.



**ATTACHMENT TO
CERTIFICATE No. MED208723CS
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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 control phase module (D, E or F) of Annex II of the Directive is fully complied with a written inspection agreement with a Notified Body



XXXX/YYYY

"WHEELMARK FORMAT"

XXXX *Notified Body number undertaking surveillance module*

YYYY *The year in which the mark is affixed*

General conditions for the approval

- a) The initial conditions verified by RINA at the time of the approval are to be maintained
- b) Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment
- c) This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with RINA
- d) RINA personnel are to be allowed to witness during the performances of activities, upon their request
- e) The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules
- f) Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reappraised prior to it being placed on board vessels to which the amended regulations or standards apply.

Giovanni Carratino

RINA Services S.p.A.



**PRODUCTION QUALITY ASSURANCE (MODULE D)
CERTIFICATE No. MED121224GE**

This is to certify that RINA Services S.p.A. did undertake the relevant quality assessment procedures for the equipment of the manufacturer identified below, which was found to be in compliance with the Navigation Equipment requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of (EU) 2023/1667 and according to the type described in the EC Type Examination Certificate (Module B) below indicated.

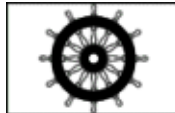
<i>MED Item N°</i>	MED/4.23
<i>Description</i>	Magnetic compass Class B for lifeboats and rescue boats
<i>Type</i>	ASTRA 4" (BAS1)
<i>Applicant</i>	RIVIERA SOCIETA' A RESPONSABILITA' LIMITATA GENOVA VIA INFERIORE RIO MAGGIORE 4 A 16138 Genova (GE) ITALY
<i>Module B certificate</i>	Number MED208723CS Date 20/06/2024 Notified Body RINA (No. 0474)

Issued in RINA Genoa Marine
on
June 24, 2024

This Certificate is valid until
May 12, 2025

This Certificate consists of this sheet plus an attachment

This certificate authorises the Manufacturer or his authorised representative established within the Community in conjunction with the EC TYPE EXAMINATION (MODULE B) CERTIFICATE to affix the following symbol on the equipment above identified.



0474/YYYY

YYYY *The year in which the mark is affixed*

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Luogo: Genova
Data: 24/06/2024 19:58:32

Michele Fusco

RINA Services S.p.A.



ATTACHMENT TO
CERTIFICATE No. MED121224GE

Equipment:
ASTRA 4" (BAS1)

Manufacturer
RIVIERA SOCIETA' A RESPONSABILITA' LIMITATA GENOVA

Place of Manufacturer
VIA INFERIORE RIO MAGGIORE 4 A
16138 Genova (GE)
ITALY

Name & place of Authorised Representative
Tiziana Murgia
GENOVA
ITALY

Technical documentation

INTERMEDIATE SCHEDULED AND UNSCHEDULED AUDITS			
Due Date	Carried out on	Surveyor's signature	Surveyor's stamp

General conditions for the approval

- The initial conditions verified by RINA at the time of the approval are to be maintained
- Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment
- RINA personnel are to be allowed to witness during the performances of activities, upon their request
- The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules
- RINA may revoke the approval in the case of modifications to requirements or conditions for the approval
- Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reapproved prior to it being placed on board vessels to which the amended regulations or standards apply.
- This certificate loses its validity in case the EC type Examination (Module B) certificate

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Michele Fusco

RINA Services S.p.A.