

TYPE EXAMINATION CERTIFICATE – EC MODULE B

Certificate no.:
MEDB00008U4

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 Magnetic compass – Class A for ships

with type designation(s)
BETA/125

issued to

Cassens & Plath GmbH
Bremerhaven, Germany

is found to comply with the requirements in the following Regulations/Standards:

Regulation (EU) 2025/1533,

item No. MED/4.1. SOLAS 74 as amended, Regulations V/18, V/19 & X/3, IMO Res. A.382(X), IMO Res. A.694(17), IMO Res. MSC.36(63), IMO Res. MSC.97(73), IMO Res. MSC.302(87)

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

This Certificate is valid until **2030-11-18**.

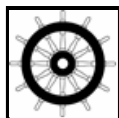
Issued at **Hamburg** on **2025-11-19**

DNV local unit:

Hamburg – CMC North/East

Approval Engineer:

Jörg Rebel



Notified Body
No.: **0098**

for **DNV SE**

Mydlak-Röder, Christine
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

The certificate covers following magnetic compass Class As:

Type designation	Description	Card diameter [mm]
BETA/125	Overhead, set-up and built-in mounting	125

Application/Limitation

None

Type Examination documentation

DNV No.	Document ID	Rev.	Description
11	-	2025-09-25	Manufacturer's declaration for compass BETA/125 acc. to IEC 60945
10	24DE-00067	2024-02-21	Report: PAConsult, Tests for BETA, IOTA and T12 acc. to IEC 60945, Clause 8.8 with IEC 60529 (IPX6)
9	Manual BETA/125	0	Manual: BETA/125 - Mounting instructions
8	GX642121	2024-11-26	Report: Cassens & Plath, Individual test report acc. to IEC 25862 (2019), Annex B.3
7	2025/01	1.2	Report: Cassens & Plath, Type test report acc. to ISO 25862 (2019), Annex B.3 for BETA/125
6	2020/02	1.0	Report: Cassens & Plath, Type test report acc. to ISO 25862 (2019), Annex B.3 for BETA/4
4	-	2024-03-13	Manufacturer's statement according to ISO 25862, Annex B.1, for BETA/125
3	-	2020-02	Manufacturer's declaration for compasses BETA, IOTA and T12 according to IEC 60945, Clauses 8.10 and 8.12
2	TA-02-02-20	2020-02-12	Report: Raytheon Anschütz, Vibration test according to IEC 60945, Clause 8.7 for BETA/4
1	TA-06-02-20	2020-02-19	Report: Raytheon Anschütz, Damp heat test according to IEC 60945, Clause 8.3 for BETA/4

Tests carried out

- Environmental testing: IEC 60945 (2002) incl. Corrigendum 1 (2008)
- Performance testing: ISO 1069 (1973) and ISO 25862 (2019)

Note: The magnetic compass BETA/125 does not issue alerts, nor has any interfaces according to IEC 61162 series, hence, testing according to IEC 62923-1/-2 and to IEC 61162 series is deemed as not being applicable.

Marking of product

According to IEC 60945, Sect.4.9:

The product to be marked with following information, where practicable:

- Identification of the manufacturer,
- Equipment type number or model identification under which it was type tested,
- Serial number of the unit.

Alternatively, the marking may be presented on a display at equipment start-up, and in case of fixed equipment compass safe distance may be given in the equipment manual.

END OF CERTIFICATE