

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB00008X9

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 Penetrations through "B" class divisions: electric cable transits

with type designation(s)
B15 PROTECT Leitungsschott

issued to

Kaiser GmbH & Co. KG
Schalksmühle, Nordrhein-Westfalen, Germany

is found to comply with the requirements in the following Regulations/Standards:
Regulation (EU) 2024/1975,
item No. MED/3.27a. SOLAS 74 as amended, Regulation II-2/9 and IMO 2010 FTP Code.

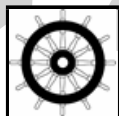
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2030-02-11**.

Issued at **Hamburg** on **2025-02-12**

DNV local unit:
Essen

Approval Engineer:
Grzegorz Wolski



Notified Body
No.: **0098**

for **DNV SE**

Mydlak-Röder, Christine
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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 300,000 USD.



Product description

B15 PROTECT Leitungsschott

Class B-15 Wall Extension for bulkheads made of non-combustible plastic, joined together with integrated protrusions.

Application/Limitation

Approved for use as cable penetration system installation in in class B-15 wall panels K-600/25 from Norac AS or wall panels of similar or better construction and materials. The wall panel K-600/25 was constructed as follows: 0.4 mm steel, 24 mm insulation (with density 150 kg/m³) and 0.6 mm steel. Wall panel must be approved according to the Marine Equipment Directive and bear the Mark of Conformity.

Sleeve type	Seal size (OD) [mm]	Sleeve material	Cable diameter (OD) [mm]	Sleeve length [mm]	Sleeve thickness [mm]	Sleeve Position for 1	Sleeve Position for 2
Leitungsschott	30	PC/ABS Xantar	4 – 12.5	25.7	Profile*	Any	Any
Leitungsschott	30	PC/ABS Infino	4 – 12.5	25.7	Profile*	Any	Any
Mehrfachschott	50	PC/ABS Xantar	4 – 12.5	25.7	Profile*	Any	Unexposed
Mehrfachschott	50	PC/ABS Infino	4 – 12.5	25.7	Profile*	Any	Unexposed

NOTE: *Profile means that sleeve is made as a mold and has uneven shape. For details, please see drawings.

Sleeve is not insulated.

- 0.6 mm thick steel is facing fire.
- 0.4 mm thick steel is facing fire.

Each cable is to have its own sleeve.

Max. four cables in B15 PROTECT Mehrfachschott.

Max. one cable in B15 PROTECT Leitungsschott.

Type Examination documentation

Test report No DMT-DO-53-186-R1 dated 14 Feb 2024 from DMT, Lathen, Germany.

Test report No DMT-DO-53-187-R1 dated 14 Feb 2024 from DMT, Lathen, Germany.

Drawing No. 9459-14 dated 07 Oct 2022 from manufacturer.

Drawing No. 9459-15 dated 07 Oct 2022 from manufacturer.

Tests carried out

Fire tested according to IMO 2010 FTP Code, Part 3,

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, fire-technical rating, the MED Mark of Conformity and USCG approval number (see first page).