

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB000096R

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 Fire Doors

with type designation(s)
A60HBSIAXR 2051x1100

issued to

Schoenrock Hydraulik Marine Systems GmbH
Tornesch, Schleswig-Holstein, Germany

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

Regulation (EU) 2024/1975,
item No. MED/3.16. SOLAS 74 as amended, Regulation II-2/9, IMO 2010 FTP Code and IMO MSC.1/Circ.1511,
IMO MSC.1/Circ.1319

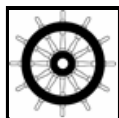
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2029-10-07**.

Issued at **Hamburg** on **2024-10-08**

DNV local unit:
Hamburg – CMC North/East

Approval Engineer:
Meike Grabau



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 300,000 USD.



Product description

"A60HBSIAXR 2051x1100"

is a class A-60 single leaf hydraulic sliding steel door assembly.

The door leaf consists of a 6 mm thick edged steel plate insulated with 80 mm thick ceramic wool, type "FireMaster Marine Plus Blanket", produced by Thermal Ceramics UK with nominal density 128 kg/m³. L-profiles are welded at the edges around the plate and a 1.5 mm steel sheet has been used as cover for the insulation. In the area of the counter-inlet the insulation of the door panel has been laid around the claws. At the top and the bottom of the door leaf, an insulated cover of 40 mm thick ceramic wool covered with 1.5 mm thick steel sheet from both sides is screwed to the door leaf. Devices are welded for a roll mounting at the top and for hydraulic parts at half height of the door.

The door frame consists of steel T-profiles welded to the bulkhead around the perimeter of the opening. A steel plate is welded to one side of the door frame on which the door control system is fitted. In the door frame two grooves with an O-ring sealing of the type "NBR 6 mm", produced by Harry Wegner and a fire sealing strip of type "Flaton VGP 12", produced by Graf von Rex, have been installed.

For more details, see documents stated in "Type Examination documentation" below.

Application/Limitation

Approved for installation in steel bulkheads of class A-60. Installation of the door in bulkheads made of other materials (aluminium, FRP, etc.) are subject to case-by-case approval.

The insulation materials (and adhesives, if any) used have to be approved according to the Marine Equipment Directive and bear the MED Mark of Conformity. This requirement may also be applicable for surface materials used, if required by relevant rules and regulations.

Note that this is a fire safety certificate which only covers fire technical properties (i.e. not to cover any evaluations related to watertightness, weathertightness, etc.).

Maximum door leaf size: 1244 mm x 2104 mm (W x H)

Maximum clear door opening: 1100 mm x 2050 mm (W x H)

Each door is to be supplied with its manual for installation, use and maintenance.

Type Examination documentation

Tests carried out

Tested according to IMO 2010 FTP Code Part 3.

Marking of product

The product is to be marked with name and address of manufacturer, type designation, fire technical rating, the MED Mark of Conformity and USCG Approval Number if applicable (see first page).