

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00007V6

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)
Class A-60 Type:WDF-M63 Sliding Door

Issued to

Wuxi Dongzhou Marine Equipment Co., Ltd
Wuxi, China

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

Regulation (EU) 2021/1158,
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

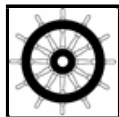
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2027-01-20**.

Issued at **Hamburg** on **2022-01-21**

DNV local station:
Jiangyin NB & CMC

Approval Engineer:
Timo Linn



Notified Body
No.: **0098**

for **DNV SE**

Christine Mydlak-Roeder
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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"Class A-60 Type: WDF-M63 Sliding Door" consists of:

Door Leaf: 2302mm wide x 2646mm high in external size. The door leaf was totally 106.5mm thick composed, from the exposed side, of 1.5mm thick steel plate + 10mm thick fireproof board + 12mm thick steel plate + 10mm thick fireproof board + 61.5mm ceramic wool + 10mm thick fireproof board + 1.5mm thick steel plate. Eight 18 mm x 81.5 mm steel plates were fixed in door leaf to be the lateral stiffeners. Eight in average 32mm guide sockets and eight M30 x 2 guide pins were fixed respectively at two sides of the door leaf to lock the door leaf tightly with the door frame.

Door Frame: A four-sided door frame of external size 2480mm wide (not including the guide rail) x 2760mm high, and the clear opening size was 2200mm wide x 2600mm high. The two side edges and upper edge of door frame were made by a steel plate of 20mm x 80mm and 60mm x 150mm, and the bottom edge was made by a steel plate of 330mm x 20mm, which was also the down rail of the door leaf. Eight M30 x 2 guide pins and eight in average 32mm guide sockets were fixed respectively at the left edge and right edge of door frame to connect with the door leaf.

Fireproof seal strip and watertight rubber strip were also arranged at the perimeter of door leaf.

Insulation:

Fireproof Board type: YB fire board (density 1000 kg/m³), manufactured by Suzhou Youlian Marine Fitting Co. Ltd.
Ceramic wool type: TG-2 (density 170 kg/m³), manufactured by Yixing Marine Insulation Material Factory

Total thickness of door leaf: 106.5 mm.

For further details, see Type Examination documentation below.

Application/Limitation

The door is 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.

Maximum door leaf size: 2302 x 2646 mm (W x H).

Maximum clear door opening: 2200 x 2600 mm (W x H).

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

Each product is to be supplied with its manual for installation and maintenance.

Type Examination documentation

Test report No. FT15197, FT15163 dated 9th of June 2015, issued by Far East Fire Testing Centre (FEFTC), Shanghai, China.

Drwg. nos. 262WDF055C-00 Page 1-7.

Tests carried out

Tested according to IMO Resolution MSC.307(88) – 2010 FTP Code Annex 1, 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).