DNV·GL

Certificate No:
MEDB00002GG

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL 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)
WDF-M15 Type Class A-0 Fire 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) 2017/306,**
item No. MED/3.16. SOLAS 74 as amended, Regulation II-2/9, IMO 2010 FTP Code and IMO MSC.1/Circ.1511

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

This Certificate is valid until **2022-07-26**.

Issued at **Hamburg** on **2017-07-27**

DNV GL local station:
Jiangyin Station

Approval Engineer:
Pavel Golyshev

Notified Body
No.: **0098**

for **DNV GL SE**

Sven Dudszus
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), as allowed by the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment", signed February 27th, 2004.

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 GL 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.

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Product description

"WDF-M15 Type Class A-0 Fire Door"
A single leaf hinged fire door composed of door leaf and frame and various fittings.

The door leaf is 1272 mm wide and 2172 mm high in external size, bent by 8 mm steel plate and reinforced with 8 mm x 60 mm longitudinall and transverse stiffeners. The door leaf is connected to the four-sided frame (made by 10 mm steel plate) by 2 steel hinges. A linkage locking device with locking clips and handle are installed at the door leaf.

The door frame is fixed to the steel bulkhead by welding.

A continuous groove of 45 mm x 30 mm is fixed at the perimeter of the door leaf where 20 mm x 4 mm fireproof seal strip (provided by Shanghai Jiar Fu Decoration Material Co., Ltd) and 20 mm x 45 mm watertight rubber strip (provided by Jiangyin Haida Rubber Co. Ltd) are installed.

The door may be optionally fitted with 15 mm thick fireproof rectangular toughened glass window, provided by Yixing City Yushi Special Glass Co., Ltd and installed in the upper half of door leaf.

Maximum thickness of door leaf (including bolts): 138 mm.

The door leaf and frame as well as window pane have round corners. For these and other details see test report and drawing listed under Type Examination documentation below.

Application/Limitation

The door is approved for installation in steel bulkheads of class A-0. Installation of the door in bulkheads made of other materials (aluminium, FRP, etc.) are subject to case-by-case approval.

Clear opening size (as tested): 1200 x 2100 mm (width x height).
A fire door of marginally larger dimensions than a fire-tested fire door may be individually assessed and accepted by Flag Administration (or Recognized Organization acting on its behalf) for a specific project with the same classification, provided documented compliance with IMO MSC.1/Circ.1319.

Maximum clear view opening size of window: 500 x 600 mm (width x height).

Doors with windows shall not be fitted in the boundaries of machinery spaces of category A.

The insulation materials and adhesives 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.

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.).

Type Examination documentation

Test report no. FT16239 dated 5th of July 2016, issued by Far East Fire Testing Centre (FEFTC), Shanghai, China.
Drawing no. 262WDF160-00.

Tests carried out

Tested according to IMO 2010 FTP Code (IMO Resolution MSC.307(88)) Annex 1 Part 3.

The door has been successfully tested for extended test period of 68 minutes.

Marking of product

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

USCG approval limitations

The approval is limited to fire doors without windows and doors with total window area of 645 cm², or less, in each door leaf. Doors with a window area exceeding 645 cm² are not part of this certificate and need direct USCG approval.