

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of the Kingdom of Norway.

This is to certify:

That the Fire Doors

with type designation(s)
A0SM0.1~0.5 Type Class A-0 Hinged Fire Door

Issued to

QINHUANGDAO XINGYANG MARINE FITTING CO., LTD.
Qinhuangdao, China

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

Regulation **(EU) 2015/559,**

Annex A.1, item No. A.1/3.16 and Annex B, Module B in the Directive; SOLAS 74 as amended, Regulation II-2/and IMO 2010 FTP Code

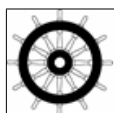
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2021-10-09**.

Issued at **Høvik** on **2016-10-10**

DNV GL local station:
Tianjin

Approval Engineer:
Fryderyk Hoga



Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body

Product description

"A0SM0.1~0.5 Type Class A-0 Hinged Fire Door"

Is a single hinged door with blade composed of one 8 mm steel plate fitted with 6 horizontal stiffeners (90x56x8 mm).

The door leaf is connected to the frame with 4 hinges, and closed to the door frame at 18 fastening points with interconnected rods and transmission which is connected to a handwheel on both sides of the door.

Total thickness of door blade: 98 mm

The door frame, made of 20 mm thick steel profile, is welded to the bulkhead. The seal strips of specification 20x4 mm made of neoprene and 16x12 mm made of expanded graphite are fitted at the perimeter of the door leaf.

For further details, see test report and drawings 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.

Max. size of door leaf: 1330 mm x 2230 mm (W x H).

Max. clear opening of door: 1200 mm x 2100 mm (W x H).

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.

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.

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

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

Type Examination documentation

Test report No. FT15365 dated 3 November 2015 from "FEFTC" Far East Fire Testing Centre, China.

Drawing No. XY0531, XY0531-1, XY0531-2, XY0531-3 and XY0531-4, all dated 24 August 2015 in File No. QS7.0-TA1502 from QINHUANGDAO XINGYANG MARINE FITTING CO., LTD.

Tests carried out

Tested according to IMO 2010 FTP Code 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, the MED Mark of Conformity and USCG Approval Number if applicable (see first page).