DNV·GL

Certificate No:
MEDB000027T

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)
Sliding Steel Door A0

Issued to
IMS Group AS
Akland, Norway

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2015/559,**
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 **2022-03-13**.

Issued at **Høvik** on **2017-03-14**

DNV GL local station:
Kristiansand S

Approval Engineer:
Fryderyk Hoga

Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body

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Job Id:
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Product description

"Sliding Steel Door A0"
is a single leaved sliding steel door assembly. The doors have five horizontal steel angle-stiffeners in size 120x80x8 mm, welded to the 6 mm thick steel plate. The doors are produced in three different types: 3562FMA, 3564FD & 3562N with three different types of sills: F12, MR and AH.

The door type 3564FD are equipped with opening mechanism called "Frame Drive" fitted in the central stiffener with dimensions 120x252 mm (w x h).

For more details regarding sizes of stiffeners, plate thickness, etc. please see the Type Examination documentation.

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. clear opening:	2100 x 2100 mm (w x h)
Max. size of door leaf (3562FMA & 3562N):	2295 x 2110 mm (w x h)
Max. size of door leaf (3564FD):	2369 x 2110 mm (w x h)

The minimum number of locking pins (cleats) is 4 on the front and 3 on rear side of the door leaf.

Upper stiffener of the door must be always insulated with 25 + 38 mm Superwool Plus Blanket with nominal density of 128 kg/m^3. The insulation shall be covered by 1.2 mm thick steel sheet. If number of stiffeners is nine or more, the two upper stiffeners must be insulated.

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

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.

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

Type Examination documentation

Test reports No. 150071-19:01 version 1 dated 13 July 2016 and 150071-22 version 1 dated 5 December 2016 both from SP Fire Research AS, Trondheim, Norway.

Technical assessment No. 150101-17 version 1 dated 12 December 2016 from SP Fire Research AS, Trondheim, Norway.

Drawings No.
10041572 rev.0, 10006161 rev.0, 10006174 rev.0 dated 14 November 2016
10006175 rev.0 dated 15 January 2013
10040046 rev.0, 10040047 rev.0 dated 02 June 2016
10040048 rev.0, 10040082 rev.0 dated 07 June 2016
all above from manufacturer.

Tests carried out

Tested according to IMO 2010 FTP Code part 3.

The door has been successfully tested for extended test period of 90 minutes.

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).