DNV·GL

Certificate No:
MEDB00005GD

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 door control systems (components)

with type designation(s)
CGFM-1DY

Issued to
Jiangsu Hailu Technology Incorporated Corporation
JIANGYIN, JIANGSU, China

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2018/773,**
item No. MED/3.17. SOLAS 74 as amended, Regulation II-2/9 & X/3, 2000 HSC Code 7 and IMO 2010 FTP Code

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

This Certificate is valid until **2024-09-25**.

Issued at **Hamburg** on **2019-09-26**

DNV GL local station:
Jiangyin

Approval Engineer:
Roland Priebe

Notified Body
No.: **0098**

for **DNV GL SE**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"CGFM-1DY" is a single-leaf sliding door control system activated by a pneumatic drive.

The sliding door is hung at the hanger rail by pully installed at the top of the door leaf.

The door control system consists of the oprating air cylinder and control elements at the door slide (exposed side) and air compressor, air container, switch button, valve and pressure gauge installed at the unexposed side.

The components of the door control system on the exposed side are protected by an insulation composed of 0.5 mm steel plate + 3 mm fireproof board + 0.5 mm steel plate. The fireproof board is from Suzhou Youlian Marine Fitting Co., Ltd and has a nominal density of 1000 kg/m³.

For further details refer to the documentation listed below under "Type Examination documentation".

Application/Limitation

Approved for use as a fire door control system for approved fire sliding doors.

The fire door control system has only been evaluated with respect to fire technical properties.

Maximum weight of sliding door to be actuated by the control system: 173 kg.
Maximum clear opening width of sliding door actuated by the control system: 1500 mm

The fire door control system is to be installed and tested in accordance with SOLAS II-2/9.4.1.1.4 or HSC Code 7.9.3.3.

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.

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

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

Type Examination documentation

Test report No. FT18089 dated 1st June 2018 from Far East Fire Testing Centre, Shanghai, China.
Drawing No. 278HL-Y38-Y3 "Sample Assembly Plan" from the manufacturer,
Drawing No. 278HL-Y38-Y3-01 "Overal Fixtion" from the manufacturer,
Drawing No. 278HL-Y38-Y3-02 "Frame" from the manufacturer,
Drawing No. 278HL-Y38-Y3-03 "Leaf" from the manufacturer,
Drawing No. 278HL-Y38-Y3-04 "Door Header Assy" from the manufacturer.

Tests carried out

Tested according to IMO 2010 FTP Code, Annex 1, Part 4.

Marking of product

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