DNV·GL

Certificate No:
MEDB0000179

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 "B" Class divisions, fire integrity

with type designation(s)
KS-BJM20 Class B-15 Inspection Door

Issued to
Nantong Cosy Marine Equipment Technology Co., Ltd.
Nantong City, China

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2015/559,**
Annex A.1, item No. A.1/3.11b and Annex B, Module B in the Directive; SOLAS 74 as amended, Regulation II-2.3.4.4. and IMO 2010 FTP Code.

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

This Certificate is valid until **2021-10-31**.

Issued at **Hamburg** on **2016-11-01**

DNV GL local station:
Nantong CMC

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

"KS-BJM20 Class B-15 Inspection door"
The inspection door leaf consists of the following compenents bonded by adhesive:

- Face sheet I: 0.6 mm thick galvanized steel
- Insulating layer: 18.5 mm thick Fibertex rock wool manufactured by Tianchang KMD New Insulation Materials Co. Ltd. (density 150 kg/m³)
- Face sheet II: 0.6 mm thick galvanized steel

The inspection door leaf is attached to the frame by two steel hinges installed along one side and a lock with connecting rod installed at mid height on the other side. The door frame is fixed to B-Class panel by connecting clip.

Total thickness of inspection door leaf: 20 mm.

Application/Limitation

Approved for installation in "KS-BC25 Class B-0 Lining Panel". Installation in other linings may be approved case-by-case.

Maximum size of the door leaf: 478 x 1828 mm (width x height)
Maximum size of clear opening: 450 x 1800 mm (width x height)

Inspection door leaf opening towards the unexposed side.

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. FT16050 dated 21st of June 2016 issued by the Far East Fire Testing Centre (FEFTC), Shanghai, China. Drawing No. QKS-000-P28-505-000 (revised).

Tests carried out

Tested according to IMO 2010 FTP Code Part 3.

Marking of product

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