



Certificate no.:
TAF00001W6

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Horizontal Class A Hatches

with type designation(s)
263WDL004-00 Class A-0 Fireproof Flush Wathertight Hatch Cover

issued to

Wuxi MNET Equipment Tech Co., Ltd.
Wuxi, Jiangsu, China

is found to comply with

DNV statutory interpretations DNV-SI-0364 – SOLAS interpretations, Edition July 2021
DNV rules for classification – Ships
DNV offshore standards

Application:

Approved for use as an integrated part of a horizontal fire retarding division of class A-0.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Høvik** on **2024-05-09**

This Certificate is valid until **2029-05-08**.

for **DNV**

DNV local unit: **Jiangyin NB & CMC**

Approval Engineer: **Izabela Misztal**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Form code: TA 251

Revision: 2023-09

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Product description

"263WDL004-00 type, class A-0 fireproof flush watertight hatch", is a hatch cover composed from the exposed side of 12 mm thick single-layer steel plate and is reinforced with three T-shape transverse stiffeners of dimension 20 mm x 110 mm/20 mm x 80 mm and three longitudinal stiffeners of dimension 20 mm x 130 mm. The stiffeners are made of steel plate of size 80 mm x 6 mm. A seal strip of 20 mm x 45 mm (produced by Jiangyin Dingyan Seals) and 2 fireproof strips of 20 mm x 4 mm (produced by Shanghai Jiar Fu Decoration Material) are fixed at the perimeter of cover plate.

Total thickness of hatch cover: 142 mm.

The hatch coaming is 2036 mm wide, 2636 mm long and it is 235 mm high along the penetration direction. It is composed of 14 mm, 10 mm, and 25 mm thick steel plates and is welded to the steel deck.

Total thickness of hatch coaming: 168 mm.

There are four handles installed on the hatch cover plate to facilitate its opening. The cover plate is fixed to the coaming by means of 48 pcs of M20 x 110 mm steel bolts, spaced maximum 178 mm apart.

For further details, see drawings listed under Type Approval documentation below.

Application/Limitation

Approved for installation in steel decks of class A-0. Installation of the hatches in decks made of other materials (aluminium, FRP, etc.) are subject to case-by-case approval.

Max. hatch leaf size: 2588 mm x 1988 mm (L x W)

Max. hatch clear opening: 2300 mm x 1700 mm (L x W)

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.).

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

Type Approval documentation

Test report no. FT21218 dated 6 July 2021 from Far East Fire Testing Centre, Shanghai, China.

Drawing no. 263WDL004-00 dated 1 April 2021 from manufacturer.

Tests carried out

Tested according to IMO 2010 FTP Code Part 3.

Marking of product

The product is to be marked with name of manufacturer, type designation and fire-technical rating.

Transport Canada Approval

Based on the procedures laid down in the Transport Canada Publication entitled "Procedures for Approval of Life-Saving Appliances, Fire Safety Systems, Equipment and Products (TP14612)", DNV confirms that the product/s listed in this certificate is/are in accordance with Transport Canada's requirements.

Periodical assessment

DNV's surveyor is to be given permission to perform Periodical Assessments at any time during the validity of this certificate and at least every second year. The arrangement is to be in accordance with procedure described in Class Program DNV-CP-0338, Section 4.