



**EC TYPE EXAMINATION (MODULE B) CERTIFICATE
(EC-US MRA)**

No.	01-013473/019892
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THIS IS TO CERTIFY:

That Croatian Register of Shipping did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with requirements of Marine Equipment Directive (MED) 2014/90/EU, subject to any conditions in the schedule attached hereto.

TYPE AND DESCRIPTION OF PRODUCT

Fire Doors "A-60" CLASS DOUBLE LEAF VERTICAL SLIDING SERVICE LIFT DOORS

NUMBER AND ITEM DESIGNATION (in accordance with Annex of Regulation (EU) 2018/773)

MED/3.16 Fire Doors

MANUFACTURER:

SKG – METALLSCHNEIDER GmbH Mühlenfeld 22 33154 Salzkotten GERMANY
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REGULATIONS AND STANDARDS (in accordance with Annex of Regulation (EU) 2018/773)

SOLAS 74 as amended Reg. II-2/9, IMO Res. MSC.307(88) – (2010 FTP Code) as amended and IMO MSC.1/Circ. 1511

USCG Module B number: 164.136/EC2489

NOTICE:

- Further details of the product and conditions for certification are given overleaf.
- This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.
- Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply.
- 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-control phase module (D, E, or F) of Annex II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.
- In case limitations of use apply, these should be indicated of in the Schedule of Approval.
- This product has been assigned **U.S. Coast Guard Module B number** in accordance with the European Council Decision 2004/425/EC dated 21 April 2004 on the conclusion of an Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment.

Issued by Croatian Register of Shipping, notified body number 2489.

This certificate is valid until: **2023-08-14**

Place and date: **Split, 2019-08-14**

Seal

Signature
Marinko Popović, dipl.ing.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION

“A-60” Vertical bi-parting sliding doors for use on dumbwaiters

A lift door construction consist of two door leaves and frame.

Door leaves(panels) are made of 1.5 mm stainless steel plate and non-combustible panel Promaxon Type A (10 mm thickness, nominal density 850 kg/m³) glued to the steel with Promat - Kleber K84 glue. Panels are stiffened with “C” profile 50/20/8 mm, fixed with spot welding bolts to the panels and corner reinforcement. The panels travel through the vertical rail profile. Door panels are manually operated by steel cable divert roll and steel cable. Steel cable is fixed with rope holder to the upper corner reinforcement of lower panel and other end of the cable is fixed over the cable divert roller to the upper corner reinforcement of the upper panel.

Supporting structure is made from two steel vertical rail profiles connected and additionally supported by horizontal steel structure carriers. Horizontal steel structure carriers are welded to the bulkhead and fixed with bolts M8x45 by using fastening washers.

Door frames are made of 1.5 mm stainless steel plate and insulated with Searox SL 620 insulation. Frame is fixed to the supporting structure by bolts M6x16 galvanized.

Dimensions of upper door leaf (upper panel): 656 x 522 mm

Dimensions of lower door leaf (lower panel): 656 x 593 mm

Supporting structure dimensions: 885 x 2356 mm

Frame dimensions: 792 x 1094 mm

Handle made of 1.5 mm stainless steel plate is provided on the lower end of the upper door leaf.

Door lock: Type TV 3074 manufactured by SKG - Metallschneider GmbH

Call box (case) dimensions 69 x 75/273 mm is attached to the door frame and provided with cover plate made of 1.5 mm steel plate.

2. APPLICATION/LIMITATION OF USE

The door is approved for use only as an integrated part of lift enclosures steel boundaries of class “A-60”.

Max. clear opening (w x h): 600 x 1000 mm

3. DESIGN DRAWINGS AND SPECIFICATIONS

Drawing no. PRO - 1904211, rev C

4. TYPE TEST RECORDS/LABORATORY RECOGNITION STATUS

Test reports no. I-4336/19-2 dated 2019-06-06 issued by LTM (Laboratorij za toplinska mjerenja) d.o.o., Oroslavje, Croatia.

5. MATERIALS OR COMPONENTS REQUIRED TO BE TYPE APPROVED OR TYPE TESTED

The following components shall to comply with the requirements of MED 2014/90/EU, as amended, and be wheelmarked:

- the insulating material "Promaxon Type A", density 850 kg/m³, Promat Research and Technology Centre NV,
- the insulating material "SeaRox SL620", density 620 kg/m³, Rockwool International A/S and
- the used adhesive material.

6. OTHER MATERIALS AND/OR COMPONENT

The surface materials, if used, have to be approved according to the Marine Equipment Directive and bear the Mark of Conformity.

7. PRODUCTION SURVEY REQUIREMENTS

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8. ONBOARD INSTALLATION AND MAINTENANCE REQUIREMENTS

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

9. MARKING AND IDENTIFICATION



Subject to compliance with the conditions in this Schedule of Approval which forms part of certificate, and those of Articles 9, 10 and 15 of the Directive, the Manufacturer is allowed to affix the “Mark of Conformity” to the Product described herein.

xxxx/yy

xxx - the number of the Notified Body undertaking surveillance module(2489 in case of CRS)
yy - the last two digits of year mark affixed

This product has been assigned US Coast Guard Module B number **164.136/EC2489**. In those instances where the Notified Body conducting the conformity assessment in accordance with either Module D, E or F of the Marine Equipment Directive is not CRS, such Notified Body would use the above U.S. Coast Guard Module B number to provide the manufacturer with the U.S. Coast Guard approval number by noting it on the Certificate of Conformity, thereby authorizing the manufacturer to mark the product accordingly.

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

10. OTHER

If the specified standards are amended during the validity of this certificate, this product type is to be re-approved prior to being supplied to vessels to which the amended standards apply.

- END OF CERTIFICATE -