

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 dampers

with type designation(s)
Class A-60 fire closure

Issued to

**WKE-Kohlstedt Torsten Kohlstedt
Ahlen, Germany**

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2017/306,**
item No. MED/3.22. SOLAS 74 as amended, Regulation II-2/9 and IMO 2010 FTP Code

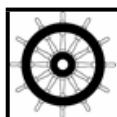
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2022-04-24.**

Issued at **Hamburg** on **2017-04-25**

DNV GL local station:
Essen

Approval Engineer:
Pavel Golyshhev



Notified Body
No.: **0098**

for **DNV GL SE**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



Product description

"Class A-60 fire closure"

Horizontal A-60 class fire closure for use in linen chutes penetrating A-Class decks. When constructed and insulated as described in the test report the horizontal fire closure fulfilled the temperature requirements for Class A-60 and may be fitted in linen chutes having a diameter of abt. 600 mm (clear opening) and penetrating A-Class decks. Construction in accordance with drawings no. 036-3-035-00 and 036-3-035-10.

Actuation of the fire closure:

- manual,
- pneumatic.

Application/Limitation

Approved for installation in linen chutes penetrating A-class decks when insulated in an approved manner. Other applications are subject to case-by-case approval.

The insulation used during testing is to be regarded as minimum insulation for all fire ratings, and is not to be removed if the fire closure is to be used in divisions with lower fire ratings.

Maximum clear opening diameter of linen chute: 600 mm.

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

Type Examination documentation

Fire test report no.GH03/3458.1 dated 8th of December 2003 issued by Brandversuchshaus Hamburg, Germany.

Drawings no. 036-3-035-00 and 036-3-035-10 from the Manufacturer.

Tests carried out

Tested according to IMO FTPC Part 3 (IMO Res. MSC.61(67)) and in compliance with IMO 2010 FTP Code Ch. 8.

Marking of product

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