

EC TYPE-EXAMINATION (MODULE B) CERTIFICATE

This is to certify that:

DBI - Danish Institute of Fire and Security Technology, specified as a "notified body" under the terms of the Danish Maritime Authority's Technical Regulation No. 12 of 2 December 2002, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the Fire protection requirements of Marine Equipment Directive (MED) 96/98/EC as last modified by Directive 2011/75/EU subject to any conditions in the schedule attached hereto.

Certificate No.	CMC10013
Applicant Address	C.C. Jensen A/S Løvholmen 13, DK-5700 Svendborg, Denmark
Manufacturer Address	C.C. Jensen A/S Løvholmen 13, DK-5700 Svendborg, Denmark
Annex A1 Item	A.1/3.25 "A" and "B" class fire proof windows and side scuttles
Product Type	A-0 window
Product Description	Thermo window designated A-0 Thermo Glass Ø400.
Specified Standards	IMO Res. MSC.61(67)-(FTP Code) Annex 1 Part 3, IMO MSC/Circ. 1120 and IMO MSC.1/Circ. 1203.

The attached (*schedule of approval*) forms part of this certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Date of issue 2012-12-14 Issued by Danish Institute of Fire and Security Technology
Notified Body No. **0845**
Expiry date 2017-12-14

Signed

Name



Dan Bluhme

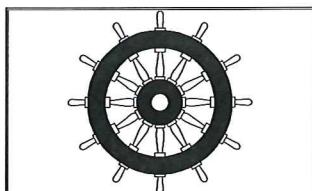
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Tom Nisted

Note 1: 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.

Note 2: Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be reapproved prior to it/they being placed on board vessels to which the amended regulations or standards apply.



xxxx/yy

Note 3: 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 B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

yy Last two digits of year mark affixed

xxxx Notified Body number undertaking surveillance module

This certificate is issued under the authority of the Danish Maritime Authority.



(Annex)
Schedule of Approval

Product Description

The window consists of a 24 mm thick Termo A-0 glass from AG Glas Silkeborg (composed of 6 mm float glass and 12 mm strength glass with a 6 mm air gap) mounted in a steel frame of outer dimensions Ø459 mm.

The glass bead is to be mounted with M6 x 12 mm screws per approx. 75 mm. Silicone gasket to be mounted along the edges of the window bead. The glass is to be chocked up along the lower part of the circumference with 20 x 26 x 5 mm Monolux 40 blocks.

Product Classification

The window designated **A-0 Thermo Glass Ø400** fulfils the criteria listed in IMO Res. MSC.61(67)-(FTP Code) Annex 1 Part 3 as interpreted by IMO MSC/Circ. 1120 and is therefore considered to meet the requirement for Class A-0 Window.

Application / Limitation of Product

Maximum size of clear light opening: Ø400 mm.

Restricted use: only to be mounted so that fire can get to the side with 6 mm glass.

Not no be fitted at the forward bulkhead of accommodation block on tankers as the window does not fulfil IMO MSC.1/Circ. 1203.

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

Type Approval Documentation

Test report: Test report No. PG10907 dated 2001-11-16 from DBI.

Tested according to IMO 2010 FTP Code part 3; "Test for "A", "B" and "F" Class Divisions".

Review of test report PG10907 file no. PHA10286 dated 2012-11-05 from DBI.

Reviewed according to IMO MSC/Circ. 1120 and IMO MSC.1/Circ. 1203.

Marking of Product

The product or packing is to be marked with name of manufacturer, type designation, technical rating and Mark of Conformity.

End of Certificate