



Marine & Offshore  
Division

Certificate number: 06228/E0 BV

File number: ACE 03/012/03

Product code: 2645H

*This certificate is not valid when presented without the full attached schedule composed of 7 sections*

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## TYPE APPROVAL CERTIFICATE

*This certificate is issued to*

**MERSEN FRANCE SB S.A.S**  
SAINT BONNET DE MURE - FRANCE

*for the type of product*

**FUSES / FUSES COMBINATION UNITS (LOW VOLTAGE)**  
DO-LINOCUR series.

**Requirements:**

BV Rules for the Classification of Steel Ships.

IEC 60947-3 (2015) & IEC 60269-3 (2013).

*This certificate is issued to attest that BUREAU VERITAS did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.*

**This certificate will expire on: 02 May 2021**

**For BUREAU VERITAS,**

At BV LYON, on 02 May 2016,

Jean-Marc Cabuzel



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with BUREAU VERITAS. 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. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine & Offshore Division available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarpm.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=hglu641rzu>

BV Mod. Ad.E 530 October 2014

This certificate consists of 2 page(s)

## THE SCHEDULE OF APPROVAL

### 1. PRODUCT DESCRIPTION:

Switch Disconnecter Fuse type DO-LINOCUR.

#### 1.1 - Approval range:

Designation	Utilization category	Rated Voltage (V A.C)	Rated Current (A)
05861-063040 (1 Pole)	AC22	230/400	2 to 63
05862-063040 (2Poles)	AC22B	255/440	2 to 63
05863-063040 (3 poles)	AC23B	255/440	2 to 35
05863-063140 (3poles + neutral)	AC23B DC22A	255/400 65	2 to 50 63

**Remarks:** Insulation Voltage:440V

### 2. DOCUMENTS AND DRAWINGS:

According to document filed in ACE 03/012/03.

OVE Letter of Authorization dated august 2010.

### 3. TEST REPORTS:

- LCIE Test Reports No 96147-591415/A Cr 2010-07-19.

- Ferraz Shawmut Rapport d'essai N°924002-16/20023-1 dated 20 April 2010.

- Ferraz Shawmut Rapport d'essai N°924002-1/20023-1, 924002-2/20023-1, 924002-3A/20023-1, 924002-3B/20023-1, 924002-4/20023-1, 924002-5/20023-1, 924002-6/20023-1, 924002-8/20023-1, 924002-9/20023-1, 924002-10/20023-1, 924002-11/20023-1, 924002-12a/20023-1, 924002-12b/20023-1, 924002-13/20023-1, 924002-14/20023-1, 924002-15a/20023-1, 924002-15b/20023-1, all dated April 2010.

### 4. APPLICATION / LIMITATION:

4.1 - According to BV Rules for the Classification of Steel Ships and IEC60947 Series.

4.2 - Environmental category EC: **31C**.

4.3 - Each equipment is to be supplied with manual(s) for installation, use and maintenance.

### 5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The above products are to be supplied by **MERSEN FRANCE SB S.A.S** in compliance with the type described in this certificate.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.

5.3 - **MERSEN FRANCE SB S.A.S** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.

### 6. MARKING OF PRODUCT:

6.1 - Trade name.

6.2 - Date of manufacture and serial number.

6.3 - Equipment type or model identification under which it was type-tested

### 7. OTHERS:

7.1 - This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the units at any time and that **MERSEN FRANCE SB S.A.S**, will accept full responsibility for informing shipbuilders, shipowners or their sub-contractors of the proper methods of use and general maintenance of the units and the conditions of this approval.

7.2 - This certificate supersedes the Type Approval Certificate N° 06228/D0 BV issued on 11.Apr.2011. by the Society.

\*\*\* END OF CERTIFICATE \*\*\*