



# TYPE APPROVAL CERTIFICATE

Certificate No:  
**TAE0000141**  
Revision No:  
**2**

**This is to certify:**  
**That the Fused Switch**

with type designation(s)  
**DO-Linocur**

Issued to  
**MERSEN France SB S.A.S.**  
**St Bonnet de Mure, Rhone, France**

is found to comply with  
**DNV rules for classification – Ships, offshore units, and high speed and light craft**

## Application :

**Products approved by this certificate are accepted for installation on all vessels classed by DNV.**

Issued at **Høvik** on **2023-12-15**

for **DNV**

This Certificate is valid until **2026-05-25**.

DNV local unit: **France CMC**

Approval Engineer: **Ivar Bull**

.....  
**Frederik Tore Elter**  
**Head of Section**

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.



### Name and place of manufacturer

Fusetech Elektronikai  
 Alkatrész Gyártó és  
 Kereskedelmi Kft.  
 7400 Kaposár  
 Guba S. u. 38  
 Hungary

### Product description

Switch-Disconnecter-Fuse with the type designations  
 05861.063040-1pole,  
 05862.063040-2pole,  
 05863.063040-3pole  
 05863.063140-3pole+neutral.

Rated operation current $I_e$ [A]:	2 up to 63
Rated insulation voltage, $U_i$ [V]:	440
Rated voltage, $U_e$ [V]:	440
Rated frequency (Hz):	50/60
Number of poles:	1; 2; 3; 3+N

Rated thermal current $I_{th}$ (A)					
AC Volts(V):	AC 22	AC 22B	AC 23B	DC Volts (V):	DC 22A
230/400	63	63	50	65	63
255/440	-	-	35	-	-

Rated conditional short-circuit current:

50 kA at 440V /  $\cos \phi$  0.25 with fuse protection (type gG) max 63A.

### Application/Limitation

For installation inside switchboards/enclosures onboard ships and offshore units.

Environmental conditions:

Temperature:	A
Humidity:	B
Vibration:	A

The use of approved D02 fuse cartridge is required. Accessories: As listed in manufacturer's data sheet.

### Type Approval documentation

Technical documents:

Linocur test report identification file DI-NXTW-20007-indE-ang and  
 LINOCUR test report list for G.L. certificate update (n° 94 696/697-94HH) (2011-05-20);  
 COFRAC report 924002-8/ 20023-1, 924002-9/ 20023-1, 924002-10/ 20023-1, 924002-  
 11/ 20023-1; VDE Prüf- und Zertifizierungsinstitut Certificate No. 40029866

### Tests carried out

VI-7-2 Guidelines for Performance of Type Approval (2003), Type test according to IEC 60947-3 (2015).

### Marking of product

DO-Linocur- type designation.

### **Periodical assessment**

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine tests (RT) and selected type tests (ref. to applicable class programs) checked (if not available these tests shall be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE