



# TYPE APPROVAL CERTIFICATE

Certificate no.:  
**TAE00003NX**  
Revision No:  
**1**

**This is to certify:**  
**that the Fuse**

with type designation(s)  
**DF10**

issued to  
**Schneider Electric Industries SAS**  
**Eybens, 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 .**

**Rated voltage (V) 230 V to 600 /690 V**

Issued at **Høvik** on **2025-08-04**

This Certificate is valid until **2030-07-09**.

DNV local unit: **Marseille**

Approval Engineer: **Qiang William Guo**



for **DNV**

Digitally signed by: Dariusz Lesniewski  
Location: DNV SE, Germany

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 USD 300 000.

**Manufactured by:**

MERSEN France SB S.A.S 15, rue Jacques de Vaucanson 69720 Saint Bonnet de Mure France	Nolam Tunisia Rue de Nabeul Lot n°4 Zone Industrielle De M' Ghira
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**Product description**

TeSys Fuse Holders with or without indicator with the following type designation: TeSys DF10.

Technical data:

Type:	DF10	DF10I
Rated insulation voltage Ui (V):	600 / 690*	600 / 690*
Rated impulse voltage Uimp (kV):	6	6
Rated uninterrupted current Ie Ith (A)	32	32
Utilization category:	AC20B/DC20B	AC20B/DC20B
SCCR:	200 kA	200 kA
Ingress protection:	IP20	IP20
Voltage limit for blown fuse indicator: indicator (V):	-	220-700V AC/DC
Number of poles:	1, 1+N, 2, 3, 3+N, 4	1, 1+N, 2, 3, 3+N, 4

\*See Application / limitation

**Application / limitation**

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

With Uimp = 6 kV the max. rated voltage is 600 V when used in an IT (ship) net. It can be used in applications with directly earthed systems with rated voltage of 400/690 V.

**Type Approval documentation**

Technical info:

“Modulostar® CMC10 Fuse Holder, Fuse Bases and Support” and “Modulostar® CUS10 Fuse Holder, Fuse Bases and Support”, datasheets from Mersen.

Test reports:

In accordance with Approval Letter 262.1-029793-J-12 dated 2019-01-16 and VDE Test report doc. No. 249846-TL3-1 dated 2018-08-28.

**Tests carried out**

Type tests according to IEC 60269-1 and 60947-3, Environmental tests in accordance with DNV-CG-0339 Aug.2021: Vibration test, Dry heat test and Damp heat.

**Marking of product**

Schneider Electric - type designation - current - power rating.

**Periodical assessment**

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval is 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 Routines (RT) checked (if not available tests RT to 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.

Assessment to be performed at 2 and 3,5 year and at renewal.

END OF CERTIFICATE