



TYPE APPROVAL CERTIFICATE

Certificate No:
TAE00001E0
Revision No:
2

This is to certify:

That the Fused Switch

with type designation(s)
3NP1...

Issued to

Siemens AG
REGENSBURG, Germany

is found to comply with

DNV rules for classification – Ships, offshore units, and high speed and light craft

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Issued at **Hamburg** on **2021-10-05**

for **DNV**

This Certificate is valid until **2026-10-04**.

DNV local station: **Augsburg**

Approval Engineer: **Harald Amberger**

Arne Schaarmann
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.



Product description

Fuse Switch Disconnectors up to 630A 3NP1...					
Ratings					
Rated operational voltage U_e	690VAC 440VDC ¹ / 220/240VDC ²				
Rated insulation voltage U_i	1000V				
Rated impulse withstand voltage U_{imp}	8kV				
Rated current I_e (50°C)	63 – 630A				
Number of poles	3				
Rated frequency	50/60Hz				
Design	moulded case				
Method of installation	fixed, plug in				
Degree of protection	IP40				
Type	3NP1123...	3NP1133...	3NP1143...	3NP1153...	3NP1163...
Rated uninterrupted current I_u	160A	160A	250A	400A	630A
For fuse links acc. to IEC 60269-2	000	00 and 000	1 and 0	2 and 1	2 and 3
Aux. Contacts					
Rated insulation voltage U_i	400V				
Rated impulse withstand voltage U_{imp}	4kV				
Rated current I_e / AC-15	10A/ 400V				
Rated current I_e / DC-13	3A / 24V, 1,5A / 48V, 0,7A / 110V, 0,3A/ 230V				
Accessory: Auxiliary contacts, Mechanic / Electronic Fuse Monitoring					
Further ratings according manufacturer documentation					
¹ 3 conducting parts series-connected					
² 2 conducting parts series-connected					

Application/Limitation

Location Classes:
 Temperature: B, Humidity: B, Vibration: A, Enclosure: IP40, EMC: A

Type Approval documentation

Test Report No.: 2935, 2937, 2938, 2939, 08070PDv, 08-E003491-BM-A01/B01/C01/D01

Tests carried out

IEC 60947-1:2007-06, IEC 60947-3:2008-08, cold, dry heat, damp heat, vibration, flame retardancy, EMC

Marking of product

Siemens - type designation - current - power rating

Name and place of manufacturer

OEZ s.r.o
 Sedivska 339
 561 51 Letohrad
 Czech Republic



Job Id: **262.1-010500-8**
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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) checked (if not available tests according to 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.

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