Certificate No:
TAE00004BS

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Switch Disconnector Fuse designed for panel mounting

with type designation(s)
5SG7...

Issued to
Siemens AG
REGENSBURG, **Germany**

is found to comply with
DNV GL 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.

Issued at **Hamburg** on **2021-07-26**
This Certificate is valid until **2026-07-25**.
DNV local station: **Augsburg**

Approval Engineer: **Harald Amberger**

for **DNV**

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

Switch Disconnector Fuse designed for panel mounting

Type:	5SG7…
Conventional free air thermal current Ith:	63 A
Rated operational current Ie:	63 A
Rated conditional short-circuit current:	50kA (AC), 8 kA (DC)
Rated operational voltage (Ue):	400 V AC / 460 VAC / 130 V DC
Rated insulation voltage (Ui):	500 V
Rated impulse withstand voltage (Uimp):	6 kV
Rated frequency:	50/60 Hz

Utilization categories:	AC-22B	400 V / 63 A	(1-, 2-, 3-pole, 1-, 3-pole with neutral)
	AC-23B	266 V / 35 A	(1-pole, 1-pole with neutral)
	AC-23B	460 V / 35 A	(3-pole, 3-pole with neutral)
	DC-22B	65 V / 63 A	(1-pole)
	DC-22B	130 V / 63 A	(2-pole)

Application/Limitation

Location Classes:
Temperature: B, Humidity: B, Vibration: A

The Switch Disconnector Fuse have to be assembled with corresponding fuses (type DO / gL / gG).

Type Approval documentation

Tests carried out

IEC 60947-1(ed.5):2007, IEC 60947-3 (ed.3.0):2008, Cold, Dry Heat, Damp Heat, Vibration.

Marking of product

Acc. IEC 60947-3 subclause 5.2

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