TYPE APPROVAL CERTIFICATE

Certificate No:
TAE00004ER
Revision No:
1

This is to certify:

That the Miniature Circuit Breaker

with type designation(s)
S300P

Issued to
ABB Stotz-Kontakt GmbH
Heidelberg, Baden-Württemberg, 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.

Issued at **Hamburg** on **2023-01-16**

This Certificate is valid until **2027-06-30**.
DNV local station: **Augsburg**

Approval Engineer: **Harald Amberger**

for **DNV**

Digitally Signed By: Schaarmann, Arne
Location: DNV GL SE Hamburg, Germany
on behalf of

Marta Alonso Pontes
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.

Product description

Miniature Circuit Breaker, Type: S300P

Technical Data / Range of Application

Rated operational current Ie (40°C)		A	6,0…63 (B characteristic)
		A	0,5…63 (C characteristic)
		A	0,5…63 (D characteristic)
		A	0,2…63 (K characteristic)
		A	0,5…63 (Z characteristic)
Rated impulse withstands voltage Uimp		kV	6
Rated operational voltage Ue (V)		V	139/240; 240/415; 440 AC
Rated insulation voltage Ui (V)		V	500
Number of poles			1; 2; 3; 4; 1+neutral; 3+neutral
Rated frequency (Hz)		Hz	50/60
Utilization category			A
Overvoltage category			IV
Pollution degree			3

Short-circuit characteristic:

Ultimate short circuit breaking cap. Icu	25	kA	(240/415 V, 8 – 63 A)
	100	kA	(240/415 V, 0,2 – 6 A)
	15	kA	(440 V, 8 – 63 A)
	100	kA	(440 V, 0,2 – 6 A)
	40	kA	(139/240 V, 32 – 63 A)
	50	kA	(139/240 V, 8 – 25 A)
	100	kA	(139/240 V, 0,2 – 6 A)
Short circuit breaking capacity Ics	7,5	kA	(240/415 V, 50 – 63 A)
	10	kA	(240/415 V, 32 – 40 A)
	12,5	kA	(240/415 V, 8 – 25 A)
	100	kA	(240/415 V, 0,2 – 6 A)
	7,5	kA	(440 V, 8 – 63 A)
	100	kA	(440 V, 0,2 – 6 A)
	20	kA	(139/240 V, 8 – 63 A)
	100	kA	(139/240 V, 0,2 – 6 A)

Application/Limitation

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

Suitable for use in IT systems up to 440 V

Operating instruction of the manufacturer to be observed

Type Approval documentation

Test Report: Prüfprotokoll ABB STO/LN, 273610-TL3-1

Tests carried out

IEC 60947-2:2016, AMD1:2019, Annex H, Cold, dry heat, damp heat, vibration, flame retardancy.

Marking of product

ABB - Type designation - Main data.

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