



Certificate No:
TAE00004ER

TYPE APPROVAL CERTIFICATE

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 **2022-07-01**

This Certificate is valid until **2027-06-30**.

DNV local station: **Augsburg**

for **DNV**

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.



Form code: TA 251

Revision: 2021-03

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Product description

Miniature Circuit Breaker, Type: S300P

Technical Data / Range of Application

Rated operational current I_e (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 U_{imp}	kV	6
Rated operational voltage U_e (V)	V	139/240; 240/415; 440 AC
Rated insulation voltage U_i (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	III	
Pollution degree	3	

Short-circuit characteristic:

Ultimate short circuit breaking cap.	25 kA	(240/415 V, 8 – 63 A)
I_{cu}	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	7,5 kA	(240/415 V, 50 – 63 A)
I_{cs}	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

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