

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Miniature Circuit Breaker

with type designation(s)
S200MUC

Issued to

ABB Stotz-Kontakt GmbH
Heidelberg, Baden-Württemberg, 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 GL.

Issued at **Hamburg** on **2019-07-15**

This Certificate is valid until **2024-07-29**.

DNV GL local station: **Augsburg**

for **DNV GL**

Approval Engineer: **Harald Amberger**

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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.



Product description

Miniature Circuit Breaker, Type: S200MUC

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	0,2...63 (K characteristic)
	A	0,5...63 (Z characteristic)
Rated impulse withstand voltage U_{imp}	kV	4
Rated operational voltage U_e (V)	V	122/230, 253/440 AC; 110, 220, 440 DC
Rated insulation voltage U_i (V)	V	440
Number of poles		1, 2, 3, 4
Rated frequency (Hz)	Hz	50/60; DC
Utilization category	A	
Overvoltage category	III	
Pollution degree	3	

Short-circuit characteristic:

Icu	kA	6	253V AC	1pole, 440V AC	2-4pole; 50-63A
	kA	10	253V AC	1pole, 440V AC	2-4pole; 0,2-40A
	kA	15	133V AC	1pole	
	kA	25	230V AC	2-4pole	
	kA	10	220V DC	1pole	
			440V DC	2-4pole with series connection	
Ics	kA	20	110V DC	1pole	
	kA	25	220V DC	2-4pole with series connection	
	kA	6	253V AC	1pole, 440V AC	2-4pole; 50-63A
	kA	7,5	253V AC	1pole, 440V AC	2-4pole; 0,2-40A
	kA	7,5	133V AC	1pole	
	kA	18,75	230V AC	2-4pole	
	kA	10	110V DC	1pole, 220V DC	1pole
			440V DC	2-4pole with series connection	
	kA	20	220V DC	2-4pole with series connection	

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

Job Id: **262.1-031310-1**
Certificate No: **TAE00003JD**

Tests carried out

IEC 60947-1(ed.5);am1, 60947-2(ed.4);am1 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