DNV·GL

Certificate No:
TAE00003JD

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**

Approval Engineer: **Harald Amberger**

for **DNV GL**

Digitally Signed By: Schaarmann, Arne
Location: DNV GL SE Hamburg, Germany
Signing Date: 2019-07-15

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 Ie (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 Uimp	kV	4
Rated operational voltage Ue (V)	V	122/230, 253/440 AC; 110, 220, 440 DC
Rated insulation voltage Ui (V)	V	440
Number of poles		1, 2, 3, 4
Rated frequency (Hz)	Hz	50/60; DC
Utilization category		A
Overvoltage category		III
Polution 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
	kA	20	110V DC 1pole
	kA	25	220V DC 2-4pole with series connection
Ics	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

As per tech.-docs. in NPS 262.1-031310-1

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