



TYPE APPROVAL CERTIFICATE

Certificate No:
TAE000025X
Revision No:
1

This is to certify:

That the Miniature Circuit Breaker

with type designation(s)
S200 P

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 **2022-08-10**

for **DNV**

This Certificate is valid until **2027-08-09**.

DNV local station: **Augsburg**

Approval Engineer: **Thomas Hartmann**

.....
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

www.dnv.com

Page 1 of 2

Product description

Miniature Circuit Breakers for overcurrent protection for household and similar installations.

Type: S 20. P
 Number of poles: 1; 1+N; 2; 3; 3+N; 4

Tripping characteristics:	B / C / D
Rated operation voltage (AC):	230 / 400 V *
Frequency:	50 - 60 Hz
Rated current:	6; 10 - 63 A trip. char. B 0.5 - 63 A trip. char. C 0.5 - 25 A trip. char. D
Breaking capacity I _{cn} :	25 kA (0.5 A – 25 A) 15 kA (32 A – 63 A)
Power factor:	0.2 - 0.25

* Suitable in a 415/240 V system.

Application/Limitation

The MCB's are tested with 1.1x Un and is therefore suitable in a 415/240 V system.

Type Approval documentation

Technical data Catalogue "Katalog Niederspannungsprodukte Teil 2 – Stand: 03/2017" cat. no. 2CDC001003C0115 (parts).

VDE Test report no. DE1 51737 issued 2013-02-20; VDE Test report DE1-55643 issued 2015-06-19; ABB Vibration test report "Approbationsprüfung" no. VN-S200-03-032, issued 2003-10-23.

Tests carried out

Tested according to IEC / EN 60898 "Circuit breakers for overcurrent protection for household and similar installations".
 Vibration test in according to IEC 60068-2-6 and shock in according to IEC 60068-2-27.

Marking of product

Product marking: ABB Stotz - Type designation

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