# LICENCE

**No. 20363 replaces No.18287**

Issued to:
Applicant:
**ABB Stotz-Kontakt GmbH**
**Eppelheimer Strasse 82**
**PO Box 101680**
**69123 HEIDELBERG**
**Germany**

Licensee:
**ABB Stotz-Kontakt GmbH**
**Eppelheimer Strasse 82**
**PO Box 101680**
**69123 HEIDELBERG**
**Germany**

| | | |
|---|---|---|
| Product | : | circuit-breakers for overcurrent protection |
| Trade name(s) | : | ABB |
| Type(s)/model(s) | : | SH 20.T, SH20., SH20.L ( see appendix ) |

The product and any acceptable variation thereto is specified in the annex to this licence and the documents therein referred to.

SGS CEBEC hereby declares that the above-mentioned product has been certified on the basis of:
- a type test according to the standard specified in annex
- an inspection of the production location
- a certification agreement with the number 23

SGS CEBEC hereby grants the right to use the CEBEC certification mark
The CEBEC certification mark may be applied to the product as specified in this licence for the duration of the CEBEC certification agreement and under the conditions of the CEBEC certification agreement.

This licence is issued on: 13/06/2017

ir. C. Lana,
Certification Manager

© Only integral publication of this certificate, including the annex, is allowed
This certificate is only valid combined with the publication on the following web address: www.sgs.com/ee

005-PROD

**SGS Belgium NV-Division SGS CEBEC**
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This certificate is issued by the company under its General Conditions for Certification Services accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitations of liability defined therein and in the Test Report herein mentioned which findings are reflected in this Certificate. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

## SPECIFICATION OF THE CERTIFIED PRODUCT

### Product data

| | | |
|---|---|---|
| Product | : | circuit-breakers for overcurrent protection |
| Trade name(s) | : | ABB |
| Type(s)/Model(s) | : | SH 20.T, SH20., SH20.L ( see appendix ) |
| number of poles | : | 1P, 1P+N, 2P, 3P, 3P+N, 4P |
| rated voltage (Un) | : | 230/400V (1P), 230V (1P+N), 400V (2P, 3P, 3P+N, 4P) |
| rated current (In) | : | B 6 A - 63 A; C 0,5 A - 63 A<br>D 0.5 A - 63 A |
| nature of supply | : | AC |
| rated frequency | : | 50 Hz |
| range of instantaneous tripping overcurrent (curve) | : | B, C and D |
| rated short-circuit current (Icn) | : | 3000, 4500 & 6000 A |
| rated conditional short-circuit current (Ics) | : | 3000, 4500 & 6000 A |
| safety distance 'a' | : | 35 mm |
| method of mounting | : | panel board - on rail |
| energy limiting class | : | 3 ( types B & C ) |
| terminals | : | pillar terminal |

## TESTS

### Test requirements

NBN EN 60898-1 based on EN 60898-1:2003 + corrigendum 2004-02 + corrigendum 2004 + A1:2004 + A11:2005 + A12:2008 + A13:2012

### Test results

The test results are laid down in certification file ref.623823/01

### Remarks

This certificate is based on certificate ref. CCA/DE1 34497 and test reports ref. 210185-CC2-000 to 210185-CC2-106

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**Conclusion**

The examination proved that all test requirements were met.

Checked by, project leader : Luigi Zanutto - 13/06/2017

Department Manager, Product Certification :

Certification Manager : 2017-06-13

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**FACTORY LOCATION(S)**

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## List of types

**Circuit Breakers series SH200 (6 kA)**

| | | Circuit breakers series SH200 | | | | | |
|---|---|---|---|---|---|---|---|
| No. of poles | | 1 | 2 | 3 | 4 | 1+N | 3+N |
| Characteristic and Rated current | | SH201 | SH202 | SH203 | SH204 | SH201-NA | SH203-NA |
| B | 6 | SH201 B6 | SH202 B6 | SH203 B6 | SH204 B6 | SH201-NA B6 | SH203-NA B6 |
| | 8 | SH201 B8 | SH202 B8 | SH203 B8 | SH204 B8 | SH201-NA B8 | SH203-NA B8 |
| | 10 | SH201 B10 | SH202 B10 | SH203 B10 | SH204 B10 | SH201-NA B10 | SH203-NA B10 |
| | 13 | SH201 B13 | SH202 B13 | SH203 B13 | SH204 B13 | SH201-NA B13 | SH203-NA B13 |
| | 16 | SH201 B16 | SH202 B16 | SH203 B16 | SH204 B16 | SH201-NA B16 | SH203-NA B16 |
| | 20 | SH201 B20 | SH202 B20 | SH203 B20 | SH204 B20 | SH201-NA B20 | SH203-NA B20 |
| | 25 | SH201 B25 | SH202 B25 | SH203 B25 | SH204 B25 | SH201-NA B25 | SH203-NA B25 |
| | 32 | SH201 B32 | SH202 B32 | SH203 B32 | SH204 B32 | SH201-NA B32 | SH203-NA B32 |
| | 40 | SH201 B40 | SH202 B40 | SH203 B40 | SH204 B40 | SH201-NA B40 | SH203-NA B40 |
| | 50 | SH201 B50 | SH202 B50 | SH203 B50 | SH204 B50 | SH201-NA B50 | SH203-NA B50 |
| | 63 | SH201 B63 | SH202 B63 | SH203 B63 | SH204 B63 | SH201-NA B63 | SH203-NA B63 |
| C | 0,5 | SH201 C0,5 | SH202 C0,5 | S2H03 C0,5 | SH204 C0,5 | SH201-NA C0,5 | SH203-NA C0,5 |
| | 1 | SH201 C1 | SH202 C1 | S2H03 C1 | SH204 C1 | SH201-NA C1 | SH203-NA C1 |
| | 1,6 | SH201 C1,6 | SH202 C1,6 | SH203 C1,6 | SH204 C1,6 | SH201-NA C1,6 | SH203-NA C1,6 |
| | 2 | SH201 C2 | SH202 C2 | SH203 C2 | SH204 C2 | SH201-NA C2 | SH203-NA C2 |
| | 3 | SH201 C3 | SH202 C3 | SH203 C3 | SH204 C3 | SH201-NA C3 | SH203-NA C3 |
| | 4 | SH201 C4 | SH202 C4 | SH203 C4 | SH204 C4 | SH201-NA C4 | SH203-NA C4 |
| | 6 | SH201 C6 | SH202 C6 | SH203 C6 | SH204 C6 | SH201-NA C6 | SH203-NA C6 |
| | 8 | SH201 C8 | SH202 C8 | SH203 C8 | SH204 C8 | SH201-NA C8 | SH203-NA C8 |
| | 10 | SH201 C10 | SH202 C10 | SH203 C10 | SH204 C10 | SH201-NAC10 | SH203-NAC10 |
| | 13 | SH201 C13 | SH202 C13 | SH203 C13 | SH204 C13 | SH201-NA C13 | SH203-NA C13 |
| | 16 | SH201 C16 | SH202 C16 | SH203 C16 | SH204 C16 | SH201-NA C16 | SH203-NA C16 |
| | 20 | SH201 C20 | SH202 C20 | SH203 C20 | SH204 C20 | SH201-NA C20 | SH203-NA C20 |
| | 25 | SH201 C25 | SH202 C25 | SH203 C25 | SH204 C25 | SH201-NA C25 | SH203-NA C25 |
| | 32 | SH201 C32 | SH202 C32 | SH203 C32 | SH204 C32 | SH201-NA C32 | SH203-NA C32 |
| | 40 | SH201 C40 | SH202 C40 | SH203 C40 | SH204 C40 | SH201-NA C40 | SH203-NA C40 |
| | 50 | SH201 C50 | SH202 C50 | SH203 C50 | SH204 C50 | SH201-NA C50 | SH203-NA C50 |
| | 63 | SH201 C63 | SH202 C63 | SH203 C63 | SH204 C63 | SH201-NA C63 | SH203-NA C63 |

| No. of poles | | Circuit breakers series SH200 | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 1+N | 3+N |
| Characteristic and Rated current | | SH201 | SH202 | SH203 | SH204 | SH201-NA | SH203-NA |
| D | 0,5 | SH201D0,5 | SH202 D0,5 | SH203 D0,5 | SH204 D0,5 | SH201-NA D0,5 | SH203-NA D0,5 |
| | 1 | SH201 D1 | SH202 D1 | SH203 D1 | SH204 D1 | SH201-NA D1 | SH203-NA D1 |
| | 1,6 | SH201 D1,6 | SH202 D1,6 | SH203 D1,6 | SH204 D1,6 | SH201-NA D1,6 | SH203-NA D1,6 |
| | 2 | SH201 D2 | SH202D2 | SH203 D2 | SH204 D2 | SH201-NA D2 | SH203-NA D2 |
| | 3 | SH201 D3 | SH202 D3 | SH203 D3 | SH204 D3 | SH201-NA D3 | SH203-NA D3 |
| | 4 | SH201 D4 | SH202 D4 | SH203 D4 | SH204 D4 | SH201-NA D4 | SH203-NA D4 |
| | 6 | SH201 D6 | SH202 D6 | SH203 D6 | SH204 D6 | SH201-NA D6 | SH203-NA D6 |
| | 8 | SH201 D8 | SH202 D8 | SH203 D8 | SH204 D8 | SH201-NA D8 | SH203-NA D8 |
| | 10 | SH201 D10 | SH202 D10 | SH203 D10 | SH204 D10 | SH201-NA D10 | SH203-NA D10 |
| | 13 | SH201 D13 | SH202 D13 | SH203 D13 | SH204 D13 | SH201-NA D13 | SH203-NA D13 |
| | 16 | SH201 D16 | SH202 D16 | SH203 D16 | SH204 D16 | SH201-NA D16 | SH203-NA D16 |
| | 20 | SH201 D20 | SH202 D20 | SH203 D20 | SH204 D20 | SH201-NA D20 | SH203-NA D20 |
| | 25 | SH201 D25 | SH202 D25 | SH203 D25 | SH204 D25 | SH201-NA D25 | SH203-NA D25 |
| | 32 | SH201 D32 | SH202 D32 | SH203 D32 | SH204 D32 | SH201-NA D32 | SH203-NA D32 |
| | 40 | SH201 D40 | SH202 D40 | SH203 D40 | SH204 D40 | SH201-NA D40 | SH203-NA D40 |
| | 50 | SH201 D50 | SH202 D50 | SH203 D50 | SH204 D50 | SH201-NA D50 | SH203-NA D50 |
| | 63 | SH201 D63 | SH202 D63 | SH203 D63 | SH204 D63 | SH201-NA D63 | SH203-NA D63 |

**Circuit Breakers series SH200L (4,5 kA)**

| No. of poles | | Circuit breakers series SH200L | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 1+N | 3+N |
| Characteristic and Rated current | | SH201L | SH202L | SH203L | SH204L | SH01L-NA | SH203L-NA |
| B | 6 | SH201L B6 | SH202L B6 | SH203L B6 | SH204L B6 | SH201L-NA B6 | SH203L-NA B6 |
| | 8 | SH201L B8 | SH202L B8 | SH203L B8 | SH204L B8 | SH201L-NA B8 | SH203L-NA B8 |
| | 10 | SH201L B10 | SH202L B10 | SH203L B10 | SH204L B10 | SH201L-NA B10 | SH203L-NA B10 |
| | 13 | SH201L B13 | SH202L B13 | SH203L B13 | SH204L B13 | SH201L-NA B13 | SH203L-NA B13 |
| | 16 | SH201L B16 | SH202L B16 | SH203L B16 | SH204L B16 | SH201L-NA B16 | SH203L-NA B16 |
| | 20 | SH201L B20 | SH202L B20 | SH203L B20 | SH204L B20 | SH201L-NA B20 | SH203L-NA B20 |
| | 25 | SH201L B25 | SH202L B25 | SH203L B25 | SH204L B25 | SH201L-NA B25 | SH203L-NA B25 |
| | 32 | SH201L B32 | SH202L B32 | SH203L B32 | SH204L B32 | SH201L-NA B32 | SH203L-NA B32 |
| | 40 | SH201L B40 | SH202L B40 | SH203L B40 | SH204L B40 | SH201L-NA B40 | SH203L-NA B40 |
| | 50 | SH201L B50 | SH202L B50 | SH203L B50 | SH204L B50 | SH201L-NA B50 | SH203L-NA B50 |
| | 63 | SH201L B63 | SH202L B63 | SH203L B63 | SH204L B63 | SH201L-NA B63 | SH203L-NA B63 |
| C | 0,5 | SH201L C0,5 | SH202L C0.5 | SH203L C0.5 | SH204L C0,5 | SH201L-NA C0.5 | SH203L-NA C0.5 |
| | 1 | SH201L C1 | SH202L C1 | SH203L C1 | SH204L C1 | SH201L-NA C1 | SH203L-NA C1 |
| | 1,6 | SH201L C1.6 | SH202L C1.6 | SH203L C1.6 | SH204L C1.6 | SH201L-NA C1.6 | SH203L-NA C1.6 |
| | 2 | SH201L C2 | SH202L C2 | SH203L C2 | SH204L C2 | SH201L-NA C2 | SH203L-NA C2 |
| | 3 | SH201L C3 | SH202L C3 | SH203L C3 | SH204L C3 | SH201L-NA C3 | SH203L-NA C3 |
| | 4 | SH201L C4 | SH202L C4 | SH203L C4 | SH204L C4 | SH201L-NA C4 | SH203L-NA C4 |
| | 6 | SH201L C6 | SH202L C6 | SH203L C6 | SH204L C6 | SH201L-NA C6 | SH203L-NA C6 |
| | 8 | SH201L C8 | SH202L C8 | SH203L C8 | SH204L C8 | SH201L-NA C8 | SH203L-NA C8 |
| | 10 | SH201L C10 | SH202L C10 | SH203L C10 | SH204L C10 | SH201L-NAC10 | SH203L-NAC10 |
| | 13 | SH201L C13 | SH202L C13 | SH203L C13 | SH204L C13 | SH201L-NA C13 | SH203L-NA C13 |
| | 16 | SH201L C16 | SH202L C16 | SH203L C16 | SH204L C16 | SH201L-NA C16 | SH203L-NA C16 |
| | 20 | SH201L C20 | SH202L C20 | SH203L C20 | SH204L C20 | SH201L-NA C20 | SH203L-NA C20 |
| | 25 | SH201L C25 | SH202L C25 | SH203L C25 | SH204L C25 | SH201L-NA C25 | SH203L-NA C25 |
| | 32 | SH201L C32 | SH202L C32 | SH203L C32 | SH204L C32 | SH201L-NA C32 | SH203L-NA C32 |
| | 40 | SH201L C40 | SH202L C40 | SH203L C40 | SH204L C40 | SH201L-NA C40 | SH203L-NA C40 |
| | 50 | SH201L C50 | SH202L C50 | SH203L C50 | SH204L C50 | SH201L-NA C50 | SH203L-NA C50 |
| | 63 | SH201L C63 | SH202L C63 | SH203L C63 | SH204L C63 | SH201L-NA C63 | SH203L-NA C63 |

**Circuit Breakers series SH200L (4,5 kA)**

| No. of poles | | Circuit breakers series SH200L | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 1+N | 3+N |
| Characteristic and Rated current | | SH201L | SH202L | SH203L | SH204L | SH201L-NA | SH203L-NA |
| D | 0.5 | SH201LD0.5 | SH202L D0.5 | SH203L D0.5 | SH204L D0.5 | SH201L-NA D0.5 | SH203L-NA D0.5 |
| | 1 | SH201L D1 | SH202L D1 | SH203L D1 | SH204L D1 | SH201L-NA D1 | SH203L-NA D1 |
| | 1.6 | SH201L D1.6 | SH202L D1.6 | SH203L D1.6 | SH204L D1.6 | SH201L-NA D1.6 | SH203L-NA D1.6 |
| | 2 | SH201L D2 | SH202LD2 | SH203L D2 | SH204L D2 | SH201L-NA D2 | SH203L-NA D2 |
| | 3 | SH201L D3 | SH202L D3 | SH203L D3 | SH204L D3 | SH201L-NA D3 | SH203L-NA D3 |
| | 4 | SH201L D4 | SH202L D4 | SH203L D4 | SH204L D4 | SH201L-NA D4 | SH203L-NA D4 |
| | 6 | SH201L D6 | SH202L D6 | SH203L D6 | SH204L D6 | SH201L-NA D6 | SH203L-NA D6 |
| | 8 | SH201L D8 | SH202L D8 | SH203L D8 | SH204L D8 | SH201L-NA D8 | SH203L-NA D8 |
| | 10 | SH201L D10 | SH202L D10 | SH203L D10 | SH204L D10 | SH201L-NA D10 | SH203L-NA D10 |
| | 13 | SH201L D13 | SH202L D13 | SH203L D13 | SH204L D13 | SH201L-NA D13 | SH203L-NA D13 |
| | 16 | SH201L D16 | SH202L D16 | SH203L D16 | SH204L D16 | SH201L-NA D16 | SH203L-NA D16 |
| | 20 | SH201L D20 | SH202L D20 | SH203L D20 | SH204L D20 | SH201L-NA D20 | SH203L-NA D20 |
| | 25 | SH201L D25 | SH202L D25 | SH203L D25 | SH204L D25 | SH201L-NA D25 | SH203L-NA D25 |
| | 32 | SH201L D32 | SH202L D32 | SH203L D32 | SH204L D32 | SH201L-NA D32 | SH203L-NA D32 |
| | 40 | SH201L D40 | SH202L D40 | SH203L D40 | SH204L D40 | SH201L-NA D40 | SH203L-NA D40 |
| | 50 | SH201L D50 | SH202L D50 | SH203L D50 | SH204L D50 | SH201L-NA D50 | SH203L-NA D50 |
| | 63 | SH201L D63 | SH202L D63 | SH203L D63 | SH204L D63 | SH201L-NA D63 | SH203L-NA D63 |

**Circuit Breakers series SH200T (3 kA)**

| | | Circuit breakers series SH200T | | | | | |
|---|---|---|---|---|---|---|---|
| No. of poles | | 1 | 2 | 3 | 4 | 1+N | 3+N |
| Characteristic and Rated current | | SH201T | SH202T | SH203T | SH204T | SH01T-NA | SH203T-NA |
| B | 6 | SH201T B6 | SH202T B6 | SH203T B6 | SH204T B6 | SH201T-NA B6 | SH203T-NA B6 |
| | 8 | SH201T B8 | SH202T B8 | SH203T B8 | SH204T B8 | SH201T-NA B8 | SH203T-NA B8 |
| | 10 | SH201T B10 | SH202T B10 | SH203T B10 | SH204T B10 | SH201T-NA B10 | SH203T-NA B10 |
| | 13 | SH201T B13 | SH202T B13 | SH203T B13 | SH204T B13 | SH201T-NA B13 | SH203T-NA B13 |
| | 16 | SH201T B16 | SH202T B16 | SH203T B16 | SH204T B16 | SH201T-NA B16 | SH203T-NA B16 |
| | 20 | SH201T B20 | SH202T B20 | SH203T B20 | SH204T B20 | SH201T-NA B20 | SH203T-NA B20 |
| | 25 | SH201T B25 | SH202T B25 | SH203T B25 | SH204T B25 | SH201T-NA B25 | SH203T-NA B25 |
| | 32 | SH201T B32 | SH202T B32 | SH203T B32 | SH204T B32 | SH201T-NA B32 | SH203T-NA B32 |
| | 40 | SH201T B40 | SH202T B40 | SH203T B40 | SH204T B40 | SH201T-NA B40 | SH203T-NA B40 |
| C | 0.5 | SH201T C0,5 | SH202T C0,5 | SH203T C0,5 | SH204T C0,5 | SH201T-NA C0,5 | SH203T-NA C0,5 |
| | 1 | SH201T C1 | SH202T C1 | SH203T C1 | SH204T C1 | SH201T-NA C1 | SH203T-NA C1 |
| | 1,6 | SH201T C1,6 | SH202T C1,6 | SH203T C1,6 | SH204T C1,6 | SH201T-NA C1,6 | SH203T-NA C1,6 |
| | 2 | SH201T C2 | SH202T C2 | SH203T C2 | SH204T C2 | SH201T-NA C2 | SH203T-NA C2 |
| | 3 | SH201T C3 | SH202T C3 | SH203T C3 | SH204T C3 | SH201T-NA C3 | SH203T-NA C3 |
| | 4 | SH201T C4 | SH202T C4 | SH203T C4 | SH204T C4 | SH201T-NA C4 | SH203T-NA C4 |
| | 6 | SH201T C6 | SH202T C6 | SH203T C6 | SH204T C6 | SH201T-NA C6 | SH203T-NA C6 |
| | 8 | SH201T C8 | SH202T C8 | SH203T C8 | SH204T C8 | SH201T-NA C8 | SH203T-NA C8 |
| | 10 | SH201T C10 | SH202T C10 | SH203T C10 | SH204T C10 | SH201T-NAC10 | SH203T-NAC10 |
| | 13 | SH201T C13 | SH202T C13 | SH203T C13 | SH204T C13 | SH201T-NA C13 | SH203T-NA C13 |
| | 16 | SH201T C16 | SH202T C16 | SH203T C16 | SH204T C16 | SH201T-NA C16 | SH203T-NA C16 |
| | 20 | SH201T C20 | SH202T C20 | SH203T C20 | SH204T C20 | SH201T-NA C20 | SH203T-NA C20 |
| | 25 | SH201T C25 | SH202T C25 | SH203T C25 | SH204T C25 | SH201T-NA C25 | SH203T-NA C25 |
| | 32 | SH201T C32 | SH202T C32 | SH203T C32 | SH204T C32 | SH201T-NA C32 | SH203T-NA C32 |
| | 40 | SH201T C40 | SH202T C40 | SH203T C40 | SH204T C40 | SH201T-NA C40 | SH203T-NA C40 |