

CERTIFICATE

Issued to:
Applicant:
ABB Stotz-Kontakt GmbH
Eppelheimer Strasse 82
69123 Heidelberg, Germany

Manufacturer/Licensee:
ABB Stotz-Kontakt GmbH
Eppelheimer Strasse 82
69123 Heidelberg, Germany

Product(s) : moulded case circuit-breakers
Trade name(s) : ABB
Type(s)/model(s) : S20.M...UC

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

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard EN 60947-2:2006;
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 900400

DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the KEMA-KEUR certification agreement and under the conditions of the KEMA-KEUR certification agreement.

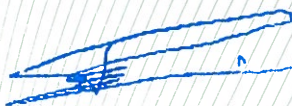
This certificate is issued on: 20 September 2013 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2165341.02

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



F.S. Strikwerda
Certification Manager

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ACCREDITED BY
THE DUTCH COUNCIL
FOR ACCREDITATION



SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

product	:	Moulded case circuit-breakers
trade name(s)	:	ABB
type(s)	:	S20.M...UC
number of poles	:	1, 2, 3, 4-poles
conventional free-air thermal current	:	0,2 to 63 A
current setting (or range of settings)	:	characteristic B: 4 x I _n for ac 6 x I _n for dc characteristic C 6,5 x I _n for ac 9,75 x I _n for dc characteristic K: 12 x I _n for ac 17,5 x I _n for dc characteristic Z: 2,5 x I _n for ac 3,75 x I _n for dc
rated ultimate short-circuit breaking capacity (I _{cu})	:	- a.c. type 6 to 25 kA, see further data - d.c. type 10 to 25 kA, see further data
rated service short-circuit breaking capacity (I _{cs})	:	- a.c. type 6 to 18,75 kA, see further data - d.c. type 10 kA to 20 kA, see further data
rated insulation voltage	:	440 Vac
rated impulse withstand voltage (U _{imp})	:	4 kV
rated short-circuit breaking capacity IT systems	:	type 204MK63AUC: 907 A - 462 V type 204MC40AUC: 312 A - 440 V
rated frequency	:	50/60 Hz and/or DC
suitable for isolation	:	yes
utilization category	:	A
design	:	moulded case
Method of controlling the operation mechanism	:	independent manual operation
ambient reference temperature	:	55 °C
safety distance (metallic screen)	:	distance: - above / below 60 mm- side, depending of number of poles: 1-pole 70 mm 2-poles 60 mm 3 poles 50 mm 4 poles 40 mm
release	:	thermal-magnetic type (fixed)
connecting capacity	:	min. 1 mm ² -solid /stranded max. 25 mm ² -solid /stranded

Additional information

Type number breakdown:

For example S201MC63AUC

S20.M...UC : basic type number

1 : number of poles

1= 1-pole

2= 2 poles

3= 3 poles

4= 4 poles

M : short-circuit capacity

C : characteristic B, C, K or Z

63A : rated current

- characteristic C and Z : 0,5 to 63 A

0,5;1;1,6;2;3;4;6;8;10;13;16;20;25;32;40;50;63 A

- characteristic B : 6 to 63 A

6;10;16;20;25;32;40;50;63 A

- characteristic K : 0,2 to 63 A

0,2;0,3;0,5;0,75;1;1,6;2;3;4;6;8;10;13;16;20;25;32;40;50;63 A

Further data:

Number of poles	characteristic	rated voltage (V)	rated current (A)	Icu (kA)	Ics (kA)
1	K	253 ac	0,2 - 63	6	6
2,3,4	K	440 ac	50 - 63	6	6
1	K	133 ac	0,2 - 63	15	7,5
2,3,4	K	230 ac	0,2 - 63	25	18,75
1	K	253 ac	0,2 - 40	10	7,5
2,3,4	K	440 ac	0,2 - 40	10	7,5
1	K	110 dc	0,2 - 63	20	10
2	K	220 dc	0,2 - 63	25	20
1	K	220 dc	0,2 - 63	10	10
2	K	440 dc	0,2 - 63	10	10
1	Z	253 ac	0,2 - 63	6	6
2,3,4	Z	440 ac	50 - 63	6	6
1	Z	133 ac	0,2 - 63	15	7,5
2,3,4	Z	230 ac	0,2 - 63	25	18,75
1	Z	253 ac	0,2 - 40	10	7,5
2,3,4	Z	440 ac	0,2 - 40	10	7,5
1	Z	110 dc	0,2 - 63	20	10
2	Z	220 dc	0,2 - 63	25	20
1	Z	220 dc	0,2 - 63	10	10
2	Z	440 dc	0,2 - 63	10	10
1	C	253 ac	0,5 - 40	10	7,5
2,3,4	C	440 ac	0,5 - 40	10	7,5
1	C	133 ac	0,5 - 63	15	7,5
2,3,4	C	230 ac	0,5 - 63	25	18,75

Number of poles	characteristic	rated voltage	rated current	Icu	Ics
1	B	253 ac	6 - 40	10	7,5
2,3,4	B	440 ac	6 - 40	10	7,5
1	B	133 ac	6 - 63	15	7,5
2,3,4	B	230 ac	6 - 63	25	18,75
1	B	110 dc	6 - 63	20	10
2	B	220 dc	6 - 63	25	20
1	C	110 dc	0,5 - 63	20	10
2	C	220 dc	0,5 - 63	25	20
1	B	220 dc	6 - 63	10	10
2	B	440 dc	6 - 63	10	10
1	C	220 dc	0,5 - 63	10	10
2	C	440 dc	0,5 - 63	10	10

Test requirements

EN 60947-2:2006

A1: 2009

Test results

The test results are laid down in DEKRA test file 2165341.02 and are based on CB Test Certificate No. DE1 34259 and TRF No(s) 70000-4402-0008/153692-2. and in DEKRA test file 2165341.02.

Conclusion

The examination proved that all test requirements were met.

Tested by : VDE

Checked by : M.T.H. van Gemen

**Factory locations**

ABB Stotz-Kontakt GmbH
Eppelheimer Strasse 82, 69123, Heidelberg
Germany