

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) : switch-disconnector
Trade name(s) : ABB
Type(s)/model(s) : SHD200

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 60947-3:2009;
- 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.

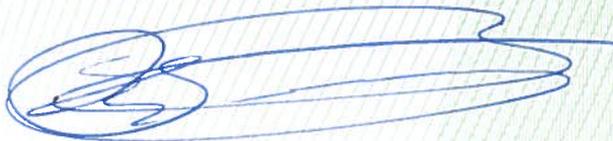
This certificate is issued on: 19 October 2015 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2187256.02

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



H.L. Schendstok
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT
Product data

product	:	switch-disconnector																		
trade name(s)	:	ABB																		
type(s)	:	SHD201, SHD201-NA, SHD202, SHD203, SHD203-NA, SHD204																		
number of poles	:	1-pole (SHD201), 1-pole + N (SHD201-NA), 2-pole (SHD202) 3-pole (SHD203), 4-pole (SHD204)																		
rated insulation voltage	:	440 Vac																		
rated operational current	:	16 A, 25 A, 32 A, 40 A, 50 A, 63 A																		
conditional free air thermal current	:	16 A, 25 A, 32 A, 40 A, 50 A, 63 A																		
ratings/utilization category (Ue-Ie)	:	<table border="0"> <tr> <td></td> <td>:</td> <td><u>AC-22A</u></td> </tr> <tr> <td>240 Vac</td> <td>:</td> <td>16 A-63 A, type SHD201(-NA)</td> </tr> <tr> <td>415 Vac</td> <td>:</td> <td>16 A-63 A, type SHD202, SHD203(-NA), SHD204</td> </tr> <tr> <td></td> <td>:</td> <td><u>DC-21A</u></td> </tr> <tr> <td>60 Vdc</td> <td>:</td> <td>16 A-63 A, type SHD201</td> </tr> <tr> <td>125 Vdc</td> <td>:</td> <td>16 A- 63 A, type SHD202</td> </tr> </table>		:	<u>AC-22A</u>	240 Vac	:	16 A-63 A, type SHD201(-NA)	415 Vac	:	16 A-63 A, type SHD202, SHD203(-NA), SHD204		:	<u>DC-21A</u>	60 Vdc	:	16 A-63 A, type SHD201	125 Vdc	:	16 A- 63 A, type SHD202
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	:	<u>DC-21A</u>																		
60 Vdc	:	16 A-63 A, type SHD201																		
125 Vdc	:	16 A- 63 A, type SHD202																		
rated frequency	:	50 / 60 Hz; d.c.																		
applied fuse-link during the short-circuit test	:	NH-fuse 63A gG size 00 (a.c.) D-fuse 63A gG size 02 (d.c.) (brand Siemens)																		
rated conditional short-circuit current (a.c.)	:	Type SHD201, 10 kA when protected with fuse-links limiting the cut-off current to a maximum of 4,48 kA and the Joule integral to a maximum of 11,9 kA ² s.																		
rated conditional short-circuit current (a.c.)	:	Type SHD202, 10 kA when protected with fuse-links limiting the cut-off current to a maximum of 4,81 kA and the Joule integral to a maximum of 16,0 kA ² s.																		
rated conditional short-circuit current (a.c.)	:	type SHD203 and SHD204, 10 kA when protected with fuse-links limiting the cut-off current to a maximum of 4,80 kA and the Joule integral to a maximum of 20,0 kA ² s																		
rated conditional short-circuit current (d.c.)	:	type SHD201, 10 kA when protected with fuse-links limiting the cut-off current to a maximum of 2,2 kA and the Joule Integral to a maximum of 14,0 kA ² s																		
rated conditional short-circuit current (d.c.)	:	type SHD202, 10 kA when protected with fuse-links limiting the cut-off current to a maximum of 3,04 kA and the Joule Integral to a maximum of 14,0 kA ² s																		
rated impulse withstandvoltage	:	4 kV																		
method of operation	:	independent manual operation																		
switching positions	:	2 (on and off)																		
operational performance without current	:	category A																		
with current	:	8500 operating cycles																		
connection	:	1500 operating cycles																		
	:	1 mm ² to 25 mm ²																		

Additional information

Markings: trade name, type designation and electrical ratings are shown on the body.

TESTS**Test requirements**

EN 60947-1:2007 + A1:2011 + A2:2014

EN 60947-3:2009 + A1:2012

Test result

The test results are laid down in DEKRA test file 2187256.02 and are also based on CCA/ DE1 34503 with test report no. 208102-CC2-1.

Remarks

This certificate replaces certificate no. 2169396.01 issued 13 March 2014

Conclusion

The examination proved that all test requirements were met.

Tested by : VDE

Checked by : F.S. Strikwerda

**Factory locations**

ABB Bulgaria EOOD, Rakovski Branch
Industrial Zone Rakovski Munic, 4150, Rakovski
Bulgaria