



CB TEST CERTIFICATE

Ref. Certificate No.

BE-2012

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

Issued by: SGS Belgium NV - Division SGS CEBEC

Product: motor starters

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

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

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

Rating and principal characteristics: see page 2

Trade mark (if any): ABB

Type of Manufacturer's Testing Laboratories used: WMT

Model/Type reference: MS132 / MO 132

Additional information: Annex Q of the IEC 60947-1:2007 / Edition 5 has been performed additionally

Sample of product tested to be in conformity with IEC: 60947-4-1(ed.2);am1;am2 National differences: CN

Test Report Ref. No: 58495801/00 up to 58495801/15

This CB Test Certificate is issued by the National Certification Body:

SGS Belgium NV - Division SGS CEBEC
Business Riverside Park, Avenue Internationalelaan 55 Build. D B - 1070
Brussels, Belgium

Signed by: Calogero LANA

Date of issue: 2009-07-15

SGS



Ratings:

number of poles	:	3
rated operational voltage (Ue)	:	230 V - 690 V
rated operational current	:	0,1 A - 32 A
nature of supply	:	AC
rated frequency	:	50 / 60 Hz
utilization category	:	AC-3
conventional free air thermal current (Ith)	:	32 A
rated duty	:	uninterrupted duty
rated prospective short-circuit current "r"	:	see table below (1)
rated conditional short-circuit current (Iq)	:	see table below (2)
SCPD	:	Self protected, co-ordination type 2
rated insulation voltage (Ui)	:	690 V
rated impulse withstand voltage (Uimp)	:	6 kV
pollution degree	:	3
degree of protection	:	IP 20
suitability for isolation	:	Yes
method of operation	:	Manual
method of mounting	:	din rail type
type of terminals	:	screw type
temperature limit (t max)	:	-25°C up to +60°C
other characteristics	:	Trip class 10

(1) rated prospective short-circuit current "r" (kA):

230V - 690V

In (A)	Ir (kA)
0,16 – 16	1
20 – 32	3

(2) rated conditional short-circuit current Iq (kA):

230V - 400V

In (A)	Iq (kA)
0,16 – 10	100
12 – 25	50
32	25

400 - 690V

In (A)	Iq (kA)
0,16 – 2,5	100
4 – 32	3

Further Data:

The product also meets the requirements acc. to IEC60947-2

Additionally the Damp heat test acc. to GB/T2423.4-1993 has been performed

Product References:

Type designation	Current range
MS 132/0,16	0,10-0,16A
MS 132/0,25	0,16-0,25A
MS 132/0,4	0,25-0,4A
MS 132/0,63	0,4-0,63A
MS 132/1,0	0,63-1,0A
MS 132/1,6	1,0-1,6A
MS 132/2,5	1,6-2,5A
MS 132/4	2,5-4,0A
MS 132/6,3	4,0-6,3A
MS 132/10	6,3-10A
MS 132/12	8-12A
MS 132/16	10-16A
MS 132/20	16-20A
MS 132/25	20-25A
MS 132/32	25-32A



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Rating and principal characteristics: see page 2

Trade mark (if any): ABB

Type of Manufacturer's Testing Laboratories used: WMT

Model/Type reference: MS132 / MO 132

Additional information: Annex Q of the IEC 60947-1:2007 / Edition 5 has been performed additionally

Sample of product tested to be in conformity with IEC: 60947-2(ed.4) National differences: CN

Test Report Ref. No: 58495802/00 up to 58495802/12

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Business Riverside Park, Avenue Internationalelaan 55 Build. D B - 1070
Brussels, Belgium

Signed by: Calogero LANA

Date of issue: 2009-07-15

SGS

CEBEC

Ratings:

number of poles	:	3
rated operational voltage (Ue)	:	230 V - 690 V
rated operational current	:	0,1 A - 32 A
nature of supply	:	AC
rated frequency	:	50 / 60 Hz
utilization category	:	A
conventional free air thermal current (Ith)	:	32 A
rated duty	:	uninterrupted duty
rated short-circuit capacity (Icu)	:	Icu = Ics
rated service short-circuit current (Ics)	:	see table below (1)
rated short-time making current (Icm)	:	see table below (2)
rated insulation voltage (Ui)	:	690 V
rated impulse withstand voltage (Uimp)	:	6 kV
pollution degree	:	3
degree of protection	:	IP 20
suitability for isolation	:	Yes
method of operation	:	independant manual operation
method of mounting	:	din rail type
type of terminals	:	screw type
temperature limit (t max)	:	-25°C up to +60°C
distance metal screen to terminals	:	75 mm

(1) rated service short-circuit breaking capacity: Ics (kA)

MS 132 / MO 132	230V		400V		440V		500V		690V	
Setting range	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu	Ics	Icu
0,1-0,16 A	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA
0,16-0,25 A										
0,25-0,4 A										
0,4-0,63 A										
0,63-1,0 A										
1,0-1,6 A										
1,6-2,5 A										
2,5-4,0 A										
4,0-6,3 A										
6,3-10,0 A	50kA	50kA	50kA	50kA	3kA	3kA	3kA	3kA	3kA	3kA
8,0-12 A										
10-16 A										
16-20 A										
20-25 A										
25-32 A										
25-32 A	25kA	25kA	25kA	25kA						

(2) rated short-time making current (Icm)

MS 132 / MO 132	400V Ics / Icm	690V Ics / Icm
0,16 – 2,5A	100 / 220kA	100 / 220kA
2,5 – 10A	100 / 220kA	3 / 4,5 kA
12 – 25A	50 / 105kA	3 / 4,5 kA
32A	25 / 53kA	3 / 4,5 kA

Further Data:

The product also meets the requirements acc. to IEC60947-4-1

Additionally the Damp heat test acc. to GB/T2423.4-1993 has been performed

Product References:

Type designation	Current range
MS 132/0,16	0,10-0,16A
MS 132/0,25	0,16-0,25A
MS 132/0,4	0,25-0,4A
MS 132/0,63	0,4-0,63A
MS 132/1,0	0,63-1,0A
MS 132/1,6	1,0-1,6A
MS 132/2,5	1,6-2,5A
MS 132/4	2,5-4,0A
MS 132/6,3	4,0-6,3A
MS 132/10	6,3-10A
MS 132/12	8-12A
MS 132/16	10-16A
MS 132/20	16-20A
MS 132/25	20-25A
MS 132/32	25-32A