

CERTIFICATE

Issued to:

Applicant:

MAXGE ELECTRIC TECHNOLOGY CO., LTD.
No.299 East Changhong Road, Wukang Town,
Deqing County,
313200 Zhejiang Province, P.R., China

Licensee:

MAXGE ELECTRIC TECHNOLOGY CO., LTD.
No.299 East Changhong Road, Wukang Town,
Deqing County,
313200 Zhejiang Province, P.R., China

Product : Moulded-Case Circuit-Breaker
Trade name(s) : MAXGE
Type(s)/model(s) : SGM3S-400H and SGM3S-400M

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 60947-2:2017
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2165673

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 7 December 2018 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-106345

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



H.R.M. Barends
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Moulded-Case Circuit-Breaker
Trade name(s)	: MAXGE
Type(s)/model(s)	: SGM3S-400H and SGM3S-400M
Number of poles	: 3P and 4P (unprotected N pole)
Protected pole	: 3
Rated operational voltage (Ue)	: 380 Vac / 400 Vac / 415 Vac
Rated insulation voltage (Ui)	: 800 V
Rated impulse withstand voltage (Uimp)	: 8 kV
Rated frequency	: 50 / 60 Hz
Rated current (In)	: 225 A, 250 A, 280 A, 300 A, 315 A, 350 A, 400 A
Conventional thermal current (Ith)	: Equal to In
Current rating for four-pole circuit-breakers	: Equal to In
Suitable for isolation	: Suitable
Selectivity category	: A
Safety distance (screen-circuit breaker)	: Front / Back: 0 mm, Left / Right: 100 mm, Up / Down: 100 mm
Reference temperature	: 40 °C and 55 °C
Ambient temperature	: - 5 °C to 40 °C for reference temperature 40 °C - 5 °C to 40 °C and 55 °C for reference temperature 55 °C
Instantaneous release	: Magnetic type, fixed, 2 poles in series: $I_i = 10 I_n$ single pole: $12 I_n$
Method of mounting	: Fixed
EMC environment	: A and B
Tightening torque for terminals	: 10 Nm
Line/load terminal	: Marked
Connection	: Copper conductor with cable lug
Inverse time delay release	: Thermal type, $I_r = 0,8 I_n - 1,0 I_n$
Time setting of the inverse time delay release	: Fixed, trip time at $2 I_n$: $2 \text{ min } 30 \text{ s} \leq t \leq 12 \text{ min}$
Instantaneous release	: Magnetic type, fixed, 2 poles in series: $I_i = 10 I_n$ single pole: $12 I_n$

Product data – type SGM3S-400H

Rated service short-circuit breaking capacity (Ics)	: 60 kA
Rated ultimate short-circuit breaking capacity (Icu)	: 85 kA

Product data – type SGM3S-400M

Rated service short-circuit breaking capacity (Ics)	: 50 kA
Rated ultimate short-circuit breaking capacity (Icu)	: 65 kA

TESTS**Test requirements**

EN 60947-2:2017

Test result

The test results are laid down in DEKRA test file 331485900.

Additional information

Nomenclature breakdown:

SGM3S-400H/4300

a b c d

a = Model name: SGM3S

b = Frame size: 400

c = short-circuit capacity: 'H' or 'M'

d = pole numbers, '4' means 4P MCCBs, '3' means 3P MCCBs

The referred test report is 3314859.50.

The product also complies with IEC 60947-2:2016.

This certificate replaces certificate No. 3306230.01 which we herewith declare invalid.

Conclusion

The examination proved that all requirements were met.

Factory location

MAXGE ELECTRIC TECHNOLOGY CO., LTD.

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