

CERTIFICATE

Issued to:

Applicant:

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

Licensee:

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

Product : Moulded-Case Circuit-Breaker
Trade name(s) : MAXGE
Type(s)/model(s) : SGM3S-160L and SGM3S-160M

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(s) EN 60947-2:2017, EN 60947-2:2017/A1:2020, IEC 60947-2:2016 and IEC 60947-2:2016/A1:2019
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA 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 and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on 16 November 2021 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-121077

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



R Zhou
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-160L and SGM3S-160M
Number of poles	: 3P and 4P (N pole without overload protection)
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)	: 16 A, 20 A, 25 A, 30 A, 32 A, 40 A, 50 A, 60 A, 63 A, 70 A, 75 A, 80 A, 90 A, 100 A, 125 A, 140 A, 150 A, 160 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: 50 mm, Up / Down: 50 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
Method of mounting	: Fixed
EMC environment	: A and B
Rated tightening torque for terminals	: 6 Nm
Line/load terminal	: Marked
Connection	: Copper conductor with cable lug
Inverse time delay release	: Thermal type, Ir = 0,8 In - 1,0 In
Time setting of the inverse time delay release	: Fixed, trip time at 2 In: 1 min ≤ t ≤ 10 min
Instantaneous release	: Magnetic type, fixed, 2 poles in series: li = 10 In single pole: 12 In

Product data – type SGM3S-160L

Rated service short-circuit breaking capacity (Ics)	: 27 kA
Rated ultimate short-circuit breaking capacity (Icu)	: 36 kA

Product data – type SGM3S-160M

Rated service short-circuit breaking capacity (Ics)	: 36 kA
Rated ultimate short-circuit breaking capacity (Icu)	: 50 kA / 36 kA

TESTS**Test requirements**

EN 60947-2:2017
EN 60947-2:2017/A1:2020
IEC 60947-2:2016

IEC 60947-2:2016/A1:2019

Test result

The test results are laid down in DEKRA test file 332288900.

Additional information

Nomenclature breakdown:

SGM3S-160M/4300

a b c d

a = Model name: SGM3S

b = Frame size: 160

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

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

The referred test report is 3322889.50.

This certificate replaces certificate No. 33-109317 which we hereby declare invalid.

Conclusion

The examination proved that all requirements were met.

Factory location

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