

# ATTESTATION OF CONFORMITY

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

For the product: Moulded-Case Circuit-Breaker

Trade name: MAXGE

Type/Model: SGM3S-160L and SGM3S-160M

Ratings: Ue: 380 Vac / 400 Vac / 415 Vac, 50 / 60 Hz Ui: 800 V Uimp: 8 kV  
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  
See annex for further ratings

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

Subject: Type test

Requirements: EN 60947-2:2017 + A1:2020, IEC 60947-2:2016 + A1:2019

Remark: This Attestation replaces AoC No. 3316022.01A issued on 2019-06-27.

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a test report no 3322889.50 issued on 2021-11-09.

This Attestation implies that the examined types are in accordance with the standards designated under the Low voltage directive (LVD) 2014/35/EU.

The examination has been carried out on one single specimen or several specimens of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

The CE marking may be affixed on the product if all relevant and effective EC directives are complied with.

Wenzhou, Zhejiang, 18 November 2021      Number: 3322889.01A

DEKRA Testing Services (Zhejiang) Co., Ltd.

Ms J Guo  
Certification Manager

© Integral publication of this attestation and adjoining reports is allowed

The CE marking may be affixed on the product if all relevant and effective EC directives are complied with.



DEKRA Testing Services (Zhejiang) Co., Ltd.

No. 5, Changjiang Road Great Bridge Industrial Park North Baixiang, Wenzhou, Zhejiang, 325603, P. R. China  
T +86577628680 00 F +86577629198 89 www.dekra-certification.com

**Ratings**

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 circuitbreakers	: 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 rating - type SGM3S-160L**

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

**Product rating - type SGM3S-160M**

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

**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