

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: SGM6sm-125H, SGM6sm-125M, SGM6sm-125L,
SGM6s-125H, SGM6s-125M, SGM6s-125L,
SGM6-125H, SGM6-125M and SGM6-125L

Ratings: Ue: 380 Vac / 400 Vac / 415 Vac, 50 / 60 Hz
Ui: 800 V, Uimp: 8 kV, 3P and 4P (N pole without overcurrent protection)
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
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, EN 60947-2:2017/A1:2020,
IEC 60947-2:2016, IEC 60947-2:2016/A1:2019

Remark: This Attestation replaces AoC no. 3316580.01-AOC issued on 2021-06-09.

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a test report no. 3327145.50 issued on 2023-11-24.

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, 28 November 2023 Number: 3327145.01-AOC

DEKRA Testing Services (Zhejiang) Co., Ltd
Ms J Guo
Certification Manager

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Ratings:

Number of poles	: 3P and 4P (N pole without overcurrent protection)
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
Conventional thermal current (Ith)	: Equal to In

Current rating for four-pole circuit-breakers	: Equal to In
Individual pole short-circuit (I _{rr})	: 12 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 or 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
Tightening torque for terminals	: M8 / 6 Nm
Line/load terminal	: Marked
Connection	: Copper conductor with cable lug

Product rating - SGM6sm-125H

Rated current (In)	: 32 A, 40 A, 50 A, 60 A, 63 A, 70 A, 75 A, 80 A, 90 A, 100 A, 125 A
Rated service short-circuit breaking capacity (Ics)	: 25 kA
Rated ultimate short-circuit breaking capacity (Icu)	: 36 kA / 25 kA
Inverse time delay release	: Ir: (0,8, 0,9, 1,0) x In
Time setting of the inverse time delay release	: Fixed, tripping time at 2 Ir: 15 s - 10 min
Instantaneous release	: Ii: (5, 8, 10) x In

Product rating - SGM6sm-125M

Rated current (In)	: 32 A, 40 A, 50 A, 60 A, 63 A, 70 A, 75 A, 80 A, 90 A, 100 A, 125 A
Rated service short-circuit breaking capacity (Ics)	: 18 kA
Rated ultimate short-circuit breaking capacity (Icu)	: 25 kA / 18 kA
Inverse time delay release	: Ir: (0,8, 0,9, 1,0) x In
Time setting of the inverse time delay release	: Fixed, tripping time at 2 Ir: 15 s - 10 min
Instantaneous release	: Ii: (5, 8, 10) x In

Product rating - SGM6sm-125L

Rated current (In)	: 32 A, 40 A, 50 A, 60 A, 63 A, 70 A, 75 A, 80 A, 90 A, 100 A, 125 A
Rated service short-circuit breaking capacity (Ics)	: 10 kA
Rated ultimate short-circuit breaking capacity (Icu)	: 10 kA
Inverse time delay release	: Ir: (0,8, 0,9, 1,0) x In
Time setting of the inverse time delay release	: Fixed, tripping time at 2 Ir: 15 s - 10 min
Instantaneous release	: Ii: (5, 8, 10) x In

Product rating - SGM6s-125H

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
Rated service short-circuit breaking capacity (Ics)	: 25 kA
Rated ultimate short-circuit breaking capacity (Icu)	: 36 kA / 25 kA
Inverse time delay release	: Ir: (0,8, 0,9, 1,0) x In for 16 A - 125 A or (0,7, 0,85, 1,0) x In for 32 A - 125 A
Time setting of the inverse time delay release	: Fixed, tripping time at 2 Ir: 15 s - 10 min
Instantaneous release	: Ii: 10 In for 32 - 125 A Ii: 320 A for 16 - 30 A

Product rating - SGM6s-125M

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
Rated service short-circuit breaking capacity (Ics)	: 18 kA
Rated ultimate short-circuit breaking capacity (Icu)	: 25 kA / 18 kA
Inverse time delay release	: Ir: (0,8, 0,9, 1,0) x In for 16 A - 125 A or (0,7, 0,85, 1,0) x In for 32 A - 125 A
Time setting of the inverse time delay release	: Fixed, tripping time at 2 Ir: 15 s - 10 min
Instantaneous release	: Ii: 10 In for 32 - 125 A Ii: 320 A for 16 - 30 A