

ATTESTATION OF CONFORMITY

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

For the product: Moulded-Case Circuit-Breaker

Trade name: MAXGE

Type/Model: SGM6sm-630H, SGM6sm-630M, SGM6sm-630L, SGM6sm-400H, SGM6sm-400M, SGM6sm-400L, SGM6s-630H, SGM6s-630M, SGM6s-630L, SGM6s-400H, SGM6s-400M, SGM6s-400L, SGM6-630H, SGM6-630M, SGM6-630L, SGM6-400H, SGM6-400M and SGM6-400L

Ratings: Ue: 380 Vac / 400 Vac / 415 Vac, 50 / 60 Hz, Ui: 1000 V, Uimp: 8 kV
In: 250 A, 275 A, 280 A, 300 A, 315 A, 350 A, 400 A, 450 A, 500 A, 550 A, 600 A, 630 A
3P and 4P (N pole without overcurrent protection)
See annex for further ratings

Manufactured by: MAXGE ELECTRIC TECHNOLOGY CO., LTD.
No.299 East Changhong Road, Wukang Town, Deqing County,
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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. 3327062.01-AOC issued on 2023-02-21.

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a test report no 3331808.50 issued on 2024-07-23.

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, 23 July 2024

Number: 3331808.01-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)	: 1000 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: 100 mm, Up / Down: 100 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	: M10 / 10 Nm
Line/load terminal	: Marked
Connection	: Copper conductor with cable lug for 250 A - 400 A, copper conductor with cable lug or copper busbar with (30 x 5) mm ² x 2 for 450 A and 500 A copper conductor with cable lug or copper busbar with (40 x 5) mm ² x 2 for 550 A, 600 A and 630 A

Product rating - SGM6sm-630H

Rated current (In)	: 450 A, 500 A, 550 A, 600 A, 630 A
Rated service short-circuit breaking capacity (Ics)	: 75 kA
Rated ultimate short-circuit breaking capacity (Icu)	: 100 kA / 75 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: 1 min 30 s - 15 min
Instantaneous release	: Ii: (5, 8, 10) x In

Product rating - SGM6sm-400H

Rated current (In)	: 250 A, 275 A, 280 A, 300 A, 315 A, 350 A, 400 A
Rated service short-circuit breaking capacity (Ics)	: 75 kA
Rated ultimate short-circuit breaking capacity (Icu)	: 100 kA / 75 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: 1 min 30 s - 15 min
Instantaneous release	: Ii: (5, 8, 10) x In

Product rating - SGM6sm-630M

Rated current (In)	: 450 A, 500 A, 550 A, 600 A, 630 A
Rated service short-circuit breaking capacity (Ics)	: 60 kA
Rated ultimate short-circuit breaking capacity (Icu)	: 85 kA / 60 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: 1 min 30 s - 15 min
Instantaneous release	: Ii: (5, 8, 10) x In

Product rating - SGM6sm-400M

Rated current (In)	: 250 A, 275 A, 280 A, 300 A, 315 A, 350 A, 400 A
Rated service short-circuit breaking capacity (Ics)	: 60 kA
Rated ultimate short-circuit breaking capacity (Icu)	: 85 kA / 60 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: 1 min 30 s - 15 min
Instantaneous release	: Ii: (5, 8, 10) x In

Product rating - SGM6sm-630L

Rated current (In)	: 450 A, 500 A, 550 A, 600 A, 630 A
Rated service short-circuit breaking capacity (Ics)	: 50 kA / 36 kA
Rated ultimate short-circuit breaking capacity (Icu)	: 50 kA / 36 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: 1 min 30 s - 15 min
Instantaneous release	: Ii: (5, 8, 10) x In

Product rating - SGM6sm-400L

Rated current (In)	: 250 A, 275 A, 280 A, 300 A, 315 A, 350 A, 400 A
Rated service short-circuit breaking capacity (Ics)	: 50 kA / 36 kA
Rated ultimate short-circuit breaking capacity (Icu)	: 50 kA / 36 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: 1 min 30 s - 15 min
Instantaneous release	: Ii: (5, 8, 10) x In

Product rating - SGM6s-630H

Rated current (In)	: 450 A, 500 A, 550 A, 600 A, 630 A
Rated service short-circuit breaking capacity (Ics)	: 75 kA
Rated ultimate short-circuit breaking capacity (Icu)	: 100 kA / 75 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: 1 min 30 s - 15 min
Instantaneous release	: Ii: 10 In