

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: GEBLER and GEMAX

Type/Model: SGM6E-800H, SGM6E-800M, iSGM6E-800H and iSGM6E-800M

Ratings: Ue: 380 Vac / 400 Vac / 415 Vac, 50 / 60 Hz
Ui: 1000 V, Uimp: 8 kV
In: 630 A, 800 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 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/AMD1:2019

Remark: This attestation is based on AoC no. 3316589.01A issued on 2021-02-18.

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a test report no 3331381.50 issued on 2024-07-04.

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 this 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, 09 July 2024

Number: 3331381.01-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
Rated current (In)	: 630 A, 800 A
Conventional thermal current (Ith)	: Equal to In
Current rating for four-pole circuit-breakers	: Equal to In
Rated short-time withstand current (Icw)	: 10 kA - 1 s
Individual pole short-circuit (I _{rr})	: 1,2 maximum I _{sd}
Suitable for isolation	: Suitable
Selectivity category	: B
Safety distance (screen-circuit breaker)	: Front / Back: 0 mm, Left / Right: 100 mm, Up / Down: 100 mm
Reference temperature	: Independent
Method of mounting	: Fixed
EMC environment	: A and B
Tightening torque for terminals	: M12 / 14 Nm
Line/load terminal	: Marked
Connection	: Copper conductor with cable lug for 630 A Copper conductor with cable lug or copper busbar for 800 A

Product rating - iSGM6E-800H

Rated service short-circuit breaking capacity (Ics)	: 75 kA
Rated ultimate short-circuit breaking capacity (Icu)	: 100 kA / 75 kA
Inverse time delay release	: I _r : (0,4-1,0) x I _n , in step of 1 A
Time setting of the inverse time delay release	: t _r : 12 - 150 s at 2 I _r + OFF, in step of 1 s, with tolerance of ± 10% tripping time at 2 I _r : 12 s ± 10% (t _r = 12 s) 150 s ± 10% (t _r = 150 s)
Short time delay release	: I _{sd} : (2 - 10) x I _r for 800 A, in step of 1 A I _{sd} : (2 - 12) x I _r for 630 A, in step of 1 A
Time setting of the short time delay release	: t _{sd} : 0,06 - 1,0 s + OFF, in step of 0,01 s, with tolerance of ± 10% (min. 40 ms) non-tripping duration: Set at 0,06 s: 0,02 s, Set at 1,0 s: 0,9 s
Instantaneous release	: I _i : (4 - 12) x I _r + OFF for 800 A, in step of 1 A I _i : (4 - 14) x I _r + OFF for 630 A, in step of 1 A
Ground fault release	: I _g : (0,2 - 1,0) x I _n + OFF, in step of 1 A (only for 4P) t _g : 0,4 - 1 s, in step of 0,1 s, with tolerance of ± 10%

Product rating - iSGM6E-800M

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: (0,4-1,0) x In, in step of 1 A
Time setting of the inverse time delay release	: tr: 12 - 150 s at 2 Ir + OFF, in step of 1 s, with tolerance of $\pm 10\%$ tripping time at 2 Ir: 12 s $\pm 10\%$ (tr = 12 s) 150 s $\pm 10\%$ (tr = 150 s)
Short time delay release	: Isd: (2 - 10) x Ir for 800 A, in step of 1 A Isd: (2 - 12) x Ir for 630 A, in step of 1 A
Time setting of the short time delay release	: tsd: 0,06 - 1,0 s + OFF, in step of 0,01 s, with tolerance of $\pm 10\%$ (min. 40 ms) non-tripping duration: Set at 0,06 s: 0,02 s, Set at 1,0 s: 0,9 s
Instantaneous release	: Ii: (4 - 12) x Ir + OFF for 800 A, in step of 1 A Ii: (4 - 14) x Ir + OFF for 630 A, in step of 1 A
Ground fault release	: Ig: (0,2 - 1,0) x In + OFF, in step of 1 A (only for 4P) tg: 0,4 - 1 s, in step of 0,1 s, with tolerance of $\pm 10\%$

Product rating - SGM6E-800H

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: 320, 435, 550, 630, 660, 690, 715, 745, 770, 800 A for 800 A Ir: 252, 300, 350, 400, 435, 475, 515, 550, 595, 630 A for 630 A
Time setting of the inverse time delay release	: tr: 12, 60, 100, 150 s at 2 Ir + OFF, with tolerance of $\pm 10\%$ tripping time at 2 Ir: 12 s $\pm 10\%$ (tr = 12 s) 150 s $\pm 10\%$ (tr = 150 s)
Short time delay release	: Isd: (2, 2,5, 3, 3,5, 4, 5, 6, 7, 8, 10) x Ir for 800 A Isd: (2, 2,5, 3, 4, 5, 6, 7, 8, 10, 12) x Ir for 630 A
Time setting of the short time delay release	: tsd: 0,06, 0,1, 0,2, 0,3, 0,4, 0,5, 1,0 s + OFF, with tolerance of $\pm 10\%$ (min. 40 ms) non-tripping duration: Set at 0,06 s: 0,02 s, Set at 1,0 s: 0,9 s
Instantaneous release	: Ii: (4, 5, 6, 7, 8, 9, 10, 11, 12) x Ir + OFF for 800 A Ii: (4, 6, 7, 8, 9, 10, 11, 12, 14) x Ir + OFF for 630 A
Ground fault release	: Ig: (0,2, 0,3, 0,4, 0,5, 0,6, 0,7, 0,8, 0,9, 1,0) x In + OFF (only for 4P) tg: fixed at 0,4 s, with tolerance of $\pm 10\%$