

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-160H, SGM6sm-160M, SGM6sm-160L,
SGM6s-160H, SGM6s-160M, SGM6s-160L,
SGM6-160H, SGM6-160M, SGM6-160L and SGM6-160C

Ratings: Ue: 380 Vac / 400 Vac / 415 Vac, 50 / 60 Hz, Ui: 1000 V, Uimp: 8 kV
In: 30 A, 32 A, 40 A, 50 A, 63 A, 70 A, 75 A, 80 A, 100 A, 125 A, 140 A, 150 A,
160 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/A1:2019

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a test report no 3323623.50 issued on 2023-09-27.

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, 13 October 2023

Number: 3323623.01-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) | : 30 A, 32 A, 40 A, 50 A, 63 A, 70 A, 75 A, 80 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 |
| Individual pole short-circuit (I ^{IT}) | : 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 |

Product rating - SGM6sm-160H

| | |
|--|---|
| Rated service short-circuit breaking capacity (Ics) | : 50 kA |
| Rated ultimate short-circuit breaking capacity (Icu) | : 65 kA / 50 kA |
| Line/load terminal | : Marked |
| Connection | : Prepared copper conductor with cable lug |
| Inverse time delay release | : Ir: (0,8, 0,9, 1,0) x In or (0,7, 0,85, 1,0) x In |
| Time setting of the inverse time delay release | : Fixed, tripping time at 2 Ir: 120 s - 900 s |
| Instantaneous release | : Ii: (5, 6, 7, 8, 9, 10) x In |

Product rating - SGM6sm-160M

| | |
|--|---|
| Rated service short-circuit breaking capacity (Ics) | : 36 kA |
| Rated ultimate short-circuit breaking capacity (Icu) | : 50 kA / 36 kA |
| Line/load terminal | : Marked |
| Connection | : Prepared copper conductor with cable lug |
| Inverse time delay release | : Ir: (0,8, 0,9, 1,0) x In or (0,7, 0,85, 1,0) x In |
| Time setting of the inverse time delay release | : Fixed, tripping time at 2 Ir: 120 s - 900 s |
| Instantaneous release | : Ii: (5, 6, 7, 8, 9, 10) x In |

Product rating - SGM6sm-160L

| | |
|--|---|
| Rated service short-circuit breaking capacity (Ics) | : 25 kA |
| Rated ultimate short-circuit breaking capacity (Icu) | : 36 kA / 25 kA |
| Line/load terminal | : Marked |
| Connection | : Prepared copper conductor with cable lug |
| Inverse time delay release | : Ir: (0,8, 0,9, 1,0) x In or (0,7, 0,85, 1,0) x In |
| Time setting of the inverse time delay release | : Fixed, tripping time at 2 Ir: 120 s - 900 s |
| Instantaneous release | : Ii: (5, 6, 7, 8, 9, 10) x In |

Product rating - SGM6s-160H

| | |
|--|---|
| Rated service short-circuit breaking capacity (Ics) | : 50 kA |
| Rated ultimate short-circuit breaking capacity (Icu) | : 65 kA / 50 kA |
| Line/load terminal | : Marked |
| Connection | : Prepared copper conductor with cable lug |
| Inverse time delay release | : Ir: (0,8, 0,9, 1,0) x In or (0,7, 0,85, 1,0) x In |
| Time setting of the inverse time delay release | : Fixed, tripping time at 2 Ir: 120 s - 900 s |
| Instantaneous release | : Ii: 10 In |

Product rating - SGM6s-160M

| | |
|--|---|
| Rated service short-circuit breaking capacity (Ics) | : 36 kA |
| Rated ultimate short-circuit breaking capacity (Icu) | : 50 kA / 36 kA |
| Line/load terminal | : Marked |
| Connection | : Prepared copper conductor with cable lug |
| Inverse time delay release | : Ir: (0,8, 0,9, 1,0) x In or (0,7, 0,85, 1,0) x In |
| Time setting of the inverse time delay release | : Fixed, tripping time at 2 Ir: 120 s - 900 s |
| Instantaneous release | : Ii: 10 In |

Product rating - SGM6s-160L

| | |
|--|---|
| Rated service short-circuit breaking capacity (Ics) | : 25 kA |
| Rated ultimate short-circuit breaking capacity (Icu) | : 36 kA / 25 kA |
| Line/load terminal | : Marked |
| Connection | : Prepared copper conductor with cable lug |
| Inverse time delay release | : Ir: (0,8, 0,9, 1,0) x In or (0,7, 0,85, 1,0) x In |
| Time setting of the inverse time delay release | : Fixed, tripping time at 2 Ir: 120 s - 900 s |
| Instantaneous release | : Ii: 10 In |