

CERTIFICATE

Issued to:

Applicant:

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

Licensee:

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

Product : Moulded-Case Circuit-Breaker
Trade name(s) : MAXGE
Type(s)/model(s) : SGM6-400H, SGM6-400L, SGM6-400M, SGM6-630H, SGM6-630L,
SGM6-630M, SGM6s-400H, SGM6s-400L, SGM6s-400M, SGM6s-630H,
SGM6s-630L, SGM6s-630M, SGM6sm-400H, SGM6sm-400L, SGM6sm-400M,
SGM6sm-630H, SGM6sm-630L and SGM6sm-630M

The product and any acceptable variation thereof as specified in the Annex to this certificate and the documents referred to therein.

DEKRA hereby declares that the above-mentioned product has been certified based on:

- a type test according to EN 60947-2:2017, EN 60947-2:2017/A1:2020, IEC 60947-2:2016 and IEC 60947-2:2016/AMD1:2019
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2165673

DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on 23 July 2024 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-144190

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



K. Lin
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	: Moulded-Case Circuit-Breaker
Trade name(s)	: MAXGE
Type(s)/model(s)	: SGM6-400H, SGM6-400L, SGM6-400M, SGM6-630H, SGM6-630L, SGM6-630M, SGM6s-400H, SGM6s-400L, SGM6s-400M, SGM6s-630H, SGM6s-630L, SGM6s-630M, SGM6sm-400H, SGM6sm-400L, SGM6sm-400M, SGM6sm-630H, SGM6sm-630L and SGM6sm-630M
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 (Itr)	: 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 data – type SGM6-400H

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	: Fixed
Time setting of the inverse time delay release	: Fixed, tripping time at 2 In: 1 min 30 s - 15 min
Instantaneous release	: li: 10 In

Product data – type SGM6-400L

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	: Fixed

Time setting of the inverse time delay release : Fixed, tripping time at 2 In: 1 min 30 s - 15 min
Instantaneous release : li: 10 In

Product data – type SGM6-400M

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 : Fixed
Time setting of the inverse time delay release : Fixed, tripping time at 2 In: 1 min 30 s - 15 min
Instantaneous release : li: 10 In

Product data – type SGM6-630H

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 : Fixed
Time setting of the inverse time delay release : Fixed, tripping time at 2 In: 1 min 30 s - 15 min
Instantaneous release : li: 10 In

Product data – type SGM6-630L

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 : Fixed
Time setting of the inverse time delay release : Fixed, tripping time at 2 In: 1 min 30 s - 15 min
Instantaneous release : li: 10 In

Product data – type SGM6-630M

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 : Fixed
Time setting of the inverse time delay release : Fixed, tripping time at 2 In: 1 min 30 s - 15 min
Instantaneous release : li: 10 In

Product data – type SGM6s-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