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)	:	GEBLER or GEMAX
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 6059401

DEKRA hereby grants the right to use the DEKRA Mark.

The DEKRA Mark may be applied to the product as specified in this certificate for the duration and under the conditions of the DEKRA Mark certification agreement.

This certificate is issued on 4 July 2024 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-143477

DEKRA Certification B.V.

B.T.M. Holtus
Managing Director

MT Tonsi
Certification Manager

ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL

PRODUCTS
RvA C 001

33-143477

DEKRA Mark is the new KEMA-KEUR
The DEKRA Mark certificate for this product is to all intents and purposes equivalent to a KEMA-KEUR certificate, the other certification mark used by DEKRA and should be valued and used as such. DEKRA Mark is gradually replacing KEMA-KEUR.
For more information please check: Introducing DEKRA Mark

SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	:	Moulded-Case Circuit-Breaker
Trade name(s)	:	GEBLER or GEMAX
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 (Iπ)	:	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) mm² x 2 for 500 A copper conductor with cable lug or copper busbar with (40 x 5) mm² x 2 for 550 A and 630 A

Product data – type SGM6-400H

Rated current (In)	:	250 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	:	Ii: 10 In

Product data – type SGM6-400L

Rated current (In)	:	250 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	:	Ii: 10 In

Product data – type SGM6-400M

Rated current (In)	:	250 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	:	Ii: 10 In

Product data – type SGM6-630H

Rated current (In)	:	500 A, 550 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	:	Ii: 10 In

Product data – type SGM6-630L

Rated current (In)	:	500 A, 550 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	:	Ii: 10 In

Product data – type SGM6-630M

Rated current (In)	:	500 A, 550 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	:	Ii: 10 In