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)	:	SGM6-250C, SGM6-250H, SGM6-250L, SGM6-250M, SGM6s-250H, SGM6s-250L, SGM6s-250M, SGM6sm-250H, SGM6sm-250L and SGM6sm-250M

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

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:
- a type test according to EN 60947-2:2017, EN 60947-2:2017/A1:2020, IEC 60947-2:2016 and IEC 60947-2:2016/A1:2019
- 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 13 June 2023 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-129181

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

PRODUCTS
RvA C 081

33-129181

SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	:	Moulded-Case Circuit-Breaker
Trade name(s)	:	MAXGE
Type(s)/model(s)	:	SGM6-250C, SGM6-250H, SGM6-250L, SGM6-250M, SGM6s-250H, SGM6s-250L, SGM6s-250M, SGM6sm-250H, SGM6sm-250L and SGM6sm-250M
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)	:	100 A, 125 A, 140 A, 150 A, 160 A, 175 A, 180 A, 200 A, 225 A, 250 A
Conventional thermal current (Ith)	:	Equal to In
Current rating for four-pole circuit-breakers	:	Equal to In
Individual pole short-circuit (IIT)	:	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

Product data – type SGM6-250C

Rated service short-circuit breaking capacity (Ics)	:	25 kA
Rated ultimate short-circuit breaking capacity (Icu)	:	25 kA
Tightening torque for terminals	:	M10 / 10 Nm
Line/load terminal	:	Immaterial
Connection	:	Copper conductor: 16 mm² - 120 mm²
Inverse time delay release	:	Fixed
Time setting of the inverse time delay release	:	Fixed, tripping time at 2 In: 30 s - 11 min
Instantaneous release	:	Ii: 10 In

Product data – type SGM6-250H

Rated service short-circuit breaking capacity (Ics)	:	50 kA
Rated ultimate short-circuit breaking capacity (Icu)	:	65 kA / 50 kA
Tightening torque for terminals	:	M8 / 6 Nm
Line/load terminal	:	Marked
Connection	:	Copper conductor with cable lug
Inverse time delay release	:	Fixed
Time setting of the inverse time delay release	:	Fixed, tripping time at 2 In: 30 s - 11 min
Instantaneous release	:	Ii: 10 In

Product data – type SGM6-250L

Rated service short-circuit breaking capacity (Ics)	:	25 kA
Rated ultimate short-circuit breaking capacity (Icu)	:	36 kA / 25 kA
Tightening torque for terminals	:	M8 / 6 Nm
Line/load terminal	:	Marked
Connection	:	Copper conductor with cable lug
Inverse time delay release	:	Fixed
Time setting of the inverse time delay release	:	Fixed, tripping time at 2 In: 30 s - 11 min
Instantaneous release	:	Ii: 10 In

Product data – type SGM6-250M

Rated service short-circuit breaking capacity (Ics)	:	36 kA
Rated ultimate short-circuit breaking capacity (Icu)	:	50 kA / 36 kA
Tightening torque for terminals	:	M8 / 6 Nm
Line/load terminal	:	Marked
Connection	:	Copper conductor with cable lug
Inverse time delay release	:	Fixed
Time setting of the inverse time delay release	:	Fixed, tripping time at 2 In: 30 s - 11 min
Instantaneous release	:	Ii: 10 In

Product data – type SGM6s-250H

Rated service short-circuit breaking capacity (Ics)	:	50 kA
Rated ultimate short-circuit breaking capacity (Icu)	:	65 kA / 50 kA
Tightening torque for terminals	:	M8 / 6 Nm
Line/load terminal	:	Marked
Connection	:	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: 30 s - 11 min
Instantaneous release	:	Ii: 10 In

Product data – type SGM6s-250L

Rated service short-circuit breaking capacity (Ics)	:	25 kA
Rated ultimate short-circuit breaking capacity (Icu)	:	36 kA / 25 kA
Tightening torque for terminals	:	M8 / 6 Nm
Line/load terminal	:	Marked
Connection	:	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: 30 s - 11 min
Instantaneous release	:	Ii: 10 In