

ATTESTATION OF CONFORMITY

Issued to: MAXGE ELECTRIC TECHNOLOGY CO., TD
No.299 East Changhong Road, Wukang Town, 313200 Deqing County
Zhejiang, China

For the product: Air Circuit-Breaker

Trade name: MAXGE

Type/Model: MGW6-4000

Ratings: Ue: 220 / 230 / 240 / 380 / 400 / 415 / 440 Vac, 50 / 60 Hz
Ui: 1000 V, Uimp: 12 kV,
In: 2000A, 2500A, 2900A, 3000A, 3200A, 3600A, 4000A
3P / 4P (N pole with overcurrent protection)
See annex for further ratings

Manufactured by: MAXGE ELECTRIC TECHNOLOGY CO., TD
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, EN 60947-5-1:2017,
IEC 60947-2:2016, IEC 60947-2:2016/A1:2019, IEC 60947-5-1:2016

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in test reports no 3328115.50 issued 2024-04-23 and 3328120.50 issued on 2023-11-06.

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, 29 April 2024

Number: 3328115.01-AOC

DEKRA Testing Services (Zhejiang) Co., Ltd

Ms J Guo
Certification Manager

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Ratings:

Number of poles	: 3P or 4P (N pole with overcurrent protection)
Rated operational voltage (Ue)	: 220 / 230 / 240 / 380 / 400 / 415 / 440 Vac
Rated insulation voltage (Ui)	: 1000 V for main circuit 690 V for control circuit 690 V for auxiliary circuit
Rated impulse withstand voltage (Uimp)	: 12 kV for main circuit 8 kV for control circuit 2,5 kV for auxiliary circuit
Rated frequency	: 50 / 60 Hz
Rated current (In)	: 2000, 2500, 2900, 3000, 3200, 3600, 4000 A
Conventional thermal current (Ith)	: Equal to In
Current rating for four-pole circuit-breakers	: Equal to In
Rated service short-circuit breaking capacity (Ics)	: 100% Icu
Rated ultimate short-circuit breaking capacity (Icu)	: 100 kA
Rated short-time withstand current (Icw)	: 100 kA - 1 s
Suitable for isolation	: Suitable
Selectivity category	: B
Safety distance (screen-circuit breaker)	: All sides: 0 mm
Reference temperature	: Independent
Ambient temperature	: - 5 °C to 40 °C
Method of mounting	: Withdrawable or fixed
EMC environment	: A and B
Rated tightening torque for terminals	: M16 / 70 Nm
Line/load terminal Connection	: Immaterial Minimum cross-sectional area of conductor: copper busbars, (100 x 5) mm ² x 3 Maximum cross-sectional area of conductor: Copper busbar, (100 x 10) mm ² x 5
Inverse time delay release	: Ir: (0,4 - 1,0) x In, OFF, step 1 A
Time setting of the inverse time delay release	: tr: 15 s, 30 s, 60 s, 120 s, 240 s, 480 s, OFF, with tolerance of ± 10% (at 1,5 Ir) tripping time at 2 Ir: 7,60 s - 9,28 s (tr = 15 s) 243 s - 297 s (tr = 480 s)
short time delay release	: Isd: (1,5 - 15) x Ir, OFF, step 1 A
time setting of the short time delay release	: tsd: I ² t off: 0,1 s, 0,2 s, 0,3 s, 0,4 s, with tolerance of ± 10% (min. 40 ms) non-tripping duration stated by the manufacturer: tsd - 40 ms
Instantaneous release	: li: (2 - 15) x In, OFF, step 1 A
Making current release (MCR)	: 40 kA
ground fault release	: Ig: (0,2 - 1) x In, OFF, step 1 A, tg: I ² t off: 0,1 s - 1 s, step 0,1 s, with tolerance of ± 10% (min. 40 ms)
Shunt release	: 220 - 240 Vac, 380 - 440 Vac, 50 / 60 Hz 110 Vdc, 200 - 250 Vdc
Under-voltage release	: 220 - 250 Vac, 380 - 440 Vac, 50 / 60 Hz
Closing coil	: 220 - 240 Vac, 380 - 440 Vac, 50 / 60 Hz 110 Vdc, 200 - 250 Vdc
Stored energy motor	: 220 - 240 Vac, 380 - 440 Vac, 50 / 60 Hz 110 Vdc, 200 - 250 Vdc

External supply for overcurrent
release:
Auxiliary circuits

220 - 240 Vac, 380 - 440 Vac, 50 / 60 Hz
110 Vdc, 200 - 250 Vdc
: F10-6
5NO5NC
AC-15: 3 A at 415 Vac, 5 A at 250 Vac, 50 / 60 Hz
DC-13: 0,27 A at 250 Vdc, 0,55 A at 125 Vdc
Ui: 690 V, Uimp: 2,5 kV, Ith: 6 A
Rated conditional short-circuit current: 1 kA
Fuse: Yinrong NT00-6A, 6 A, 120 kA / 500 Vac

Additional information
Nomenclature breakdown:

MG W6 - 4000 / 4P 4000A D

a b c d e f

a = Manufacturer: 'MG' means MAXGE ELECTRIC TECHNOLOGY CO., LTD
b = Product code: W6
c = Frame size: 4000
d = Pole number: '4P' or '3P'
e = Rated current: 2000A, 2500A, 2900A, 3000A, 3200A, 3600A or 4000 A
f = Installation method: 'D' means Drawer, 'F' means Fixation.