

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: Air Circuit-Breaker

Trade name: MAXGE

Type/Model: MGW6-2000

Ratings: Ue: 220 / 230 / 240 / 380 / 400 / 415 / 440 Vac, 50 / 60 Hz
Ui: 1000 V, Uimp: 12 kV,
In: 630, 800, 1000, 1250, 1600, 2000 A
3P / 4P (N pole with 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, 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 3328109.50 issued 2023-11-06 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, 8 November 2023 Number: 3328109.01-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)	: 630, 800, 1000, 1250, 1600, 2000 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)	: 65 kA
Rated ultimate short-circuit breaking capacity (Icu)	: 80 kA / 65 kA
Rated short-time withstand current (Icw)	: 65 kA - 1 s
individual pole short-circuit (I _{pr})	: N/A
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	: M12 / 50 Nm
Line/load terminal Connection	: Immaterial Minimum cross-sectional area of conductor: Prepared copper conductor, 2 x 185 mm ² or (40 x 5) mm ² x 2 copper busbars Maximum cross-sectional area of conductor: Copper busbar, (100 x 5) mm ² x 3
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 - 480 s (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 - 10) x Ir, OFF, step 1 A
time setting of the short time delay release	: tsd: I ² t off: 0,1 s - 0,4 s, step 0,1 s 0,1 s, with tolerance of 60 ms - 140 ms 0,2 s, with tolerance of 160 ms - 240 ms 0,3 s, with tolerance of 260 ms - 340 ms 0,4 s, with tolerance of 360 ms - 440 ms non-tripping duration stated by the manufacturer: 0,1 s: 60 ms

	0,2 s: 160 ms
	0,3 s: 260 ms
	0,4 s: 360 ms
Instantaneous release	: $I_i: (2 - 10) \times I_n$, OFF, step 1 A
Making current release (MCR)	: 20 kA
ground fault release	: $I_g: (0,2 - 1) \times I_n$, OFF, step 1 A, $t_g: I^2 t$ off: 0,1 s - 0,4 s, step 0,1 s 0,1 s, with tolerance of 60 ms - 140 ms 0,2 s, with tolerance of 160 ms - 240 ms 0,3 s, with tolerance of 260 ms - 340 ms 0,4 s, with tolerance of 360 ms - 440 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:	220 - 240 Vac, 380 - 440 Vac, 50 / 60 Hz 110 Vdc, 200 - 250 Vdc
Auxiliary circuits	: 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 U_i : 690 V, U_{imp} : 2,5 kV, I_{th} : 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 - 2000 / 4P 2000A D

a b c d e f

a = Manufacturer: 'MG' means MAXGE ELECTRIC TECHNOLOGY CO.,LTD

b = Product code: W6

c = Frame size: 2000

d = Pole number: '4P' or '3P'

e = Rated current: 630A, 800A, 1000A, 1250A, 1600A, 2000A

f = Installation method: 'D' means Drawer, 'F' means Fixation.