

ATTESTATION OF CONFORMITY

Issued to: Wenzhou CHT Electric Co.,Ltd.
No.808, Ninth Binhai Road, Wenzhou Economic & Technological Development Zone
325025 Wenzhou, Zhejiang, China

For the product: Moulded-Case Circuit-Breaker

Trade name: CHT

Type/Model: DGM2E-630 and DGM2E-400

Ratings: Ue: 415 Vac, 50 / 60 Hz
Ui: 800 V, Uimp: 8 kV, In: 400 A, 500 A, 630 A
3P and 4P (N pole with overcurrent protection)
See annex for further ratings

Manufactured by: Wenzhou CHT Electric Co.,Ltd.
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325025 Wenzhou, Zhejiang, China

Subject: Complete evaluation of electrical system of the appliances

Requirements: EN 60947-2:2017, EN 60947-2:2017/A1:2020, IEC 60947-2:2016,
IEC 60947-2:2016/AMD1:2019

Remarks: This Attestation replaces AoC no. 3319441.01A issued on 2022-10-21.

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in test report no. 3333199.50 issued on 2024-12-11.

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 this production with the specimen tested by DEKRA is not the responsibility of DEKRA.

This document does not authorize the use of any DEKRA approved mark.

Wenzhou, Zhejiang, 13 December 2024 Number: 3333199.01-AOC

DEKRA Testing Services (Zhejiang) Co., Ltd

Ms J Guo
Certification Manager

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Ratings:

Number of poles	: 3P and 4P (N pole with overcurrent protection)
Rated operational voltage (Ue)	: 415 Vac
Rated insulation voltage (Ui)	: 800 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
Rated service short-circuit breaking capacity (Ics)	: 50 kA
Rated ultimate short-circuit breaking capacity (Icu)	: 50 kA
Rated short-time withstand current (Icw)	: 8 kA - 1 s
Individual pole short-circuit (I _{IT})	: 12 In
Suitable for isolation	: Suitable
Selectivity category	: B
Safety distance (screen-circuit breaker)	: Front / Back: 0 mm, Left / Right: 0 mm, Up / Down: 100 mm
Reference temperature	: Independent
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 400 A, 500 A and 630 A Copper conductor with copper busbars for 500 A and 630 A
Time setting of the inverse time delay release	: tr: 16, 32, 64, 128, 256 s at 1,5 I _r + OFF, with tolerance of ± 15% tripping time at 2 I _r : 9 s ± 15% (tr = 16 s) 144 s ± 15% (tr = 256 s)
Short time delay release	: I _{sd} : (1,5, 2, 3, 4, 5, 6, 8, 10) x I _r + OFF
Time setting of the short time delay release	: t _{sd} : 0,05 ± 0,02 s, 0,1 ± 0,03 s, 0,2 ± 0,04 s, 0,3 ± 0,06 s at I ² t off + OFF non-tripping duration: Set at 0,05 s: 0,03 s, Set at 0,3 s: 0,24 s
Instantaneous release	: I _i : (2, 3, 4, 5, 6, 8, 10, 12) x I _r + OFF
Ground fault release	: (0,2, 0,3, 0,4, 0,5, 0,6, 0,7, 0,8, 1,0) x I _n + OFF, with tolerance of ± 10% (only for N of 4P) tg: fixed at 0,4 s, with tolerance of ± 15%

Product rating - DGM2E-400

Rated current (I _n)	: 400 A
Inverse time delay release	: I _r : 160, 200, 225, 250, 280, 300, 315, 320, 350, 375, 400 A

Product rating - DGM2E-630

Rated current (I _n)	: 500 A, 630 A
Inverse time delay release	: I _r : 315, 350, 375, 400, 450, 500, 550, 630 A for 630 A I _r : 200, 238, 278, 315, 345, 377, 408, 436, 472, 500 A for 500 A

Additional information:

Nomenclature breakdown:

DGM2E-630/4300

a b c

a = Model name: DGM2E

b = Frame size: 630 or 400

c = Number poles: 4 means 4 poles, 3 means 3 poles