

# 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-250

Ratings: Ue: 415 Vac, 50 / 60 Hz  
Ui: 800 V, Uimp: 8 kV, In: 250 A  
3P and 4P (N pole with overcurrent protection)  
See annex for further ratings

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

Subject: Type test

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

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a test report no 3319439.50 issued on 2022-01-24.

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 10 February 2022

Number: 3319439.01A

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)
Protected pole	: 3 or 4
Rated operational voltage (Ue)	: 415 Vac
Rated insulation voltage (Ui)	: 800 V
Rated impulse withstand voltage (Uimp)	: 8 kV
Rated frequency	: 50 / 60 Hz
Rated current (In)	: 250 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)	: 50 kA
Rated ultimate short-circuit breaking capacity (Icu)	: 50 kA
Rated short-time withstand current (Icw)	: 2,5 kA - 1 s
Individual pole short-circuit (IIT)	: 3 kA
Suitable for isolation	: Suitable
Selectivity category	: A
Safety distance (screen-circuit breaker)	: Front / Back: 0 mm, Left / Right: 0 mm, Up / Down: 50 mm
Reference temperature	: Independent
Method of mounting	: Plug-in or fixed
EMC environment	: A and B
Tightening torque for terminals	: M8 / 6 Nm
Line/load terminal	: Marked
Connection	: Copper conductor with cable lug
Inverse time delay release	: Ir: 100, 125, 140, 160, 180, 200, 225, 250 A
Time setting of the inverse time delay release	: tr: 16, 32, 64, 128, 256 s at 1,5 Ir + OFF, with tolerance of $\pm 15\%$ tripping time at 2 Ir: 9 s $\pm 15\%$ (tr = 16 s) 144 s $\pm 15\%$ (tr = 256 s)
Short time delay release	: Isd: (1,5, 2, 3, 4, 5, 6, 8, 10) x Ir + OFF
Time setting of the short time delay release	: tsd: 0,05 $\pm$ 0,02 s, 0,1 $\pm$ 0,03 s, 0,2 $\pm$ 0,04 s, 0,3 $\pm$ 0,06 s at I <sup>2</sup> t off + OFF non-tripping duration: Set at 0,05 s: 0,03 s, Set at 0,3 s: 0,24 s
Instantaneous release	: Ii: (2, 3, 4, 5, 6, 8, 10, 12) x Ir + OFF
Ground fault release	: (0,2, 0,3, 0,4, 0,5, 0,6, 0,7, 0,8, 1,0) x In + OFF, with tolerance of $\pm 10\%$ (only for N of 4P) tg: fixed at 0,4 s, with tolerance of $\pm 15\%$

**Additional information:**

Nomenclature breakdown:

DGM2E-250/4300

a            b    c

a = Model name: DGM2E

b = Frame size: 250

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