

# 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-1600

Ratings: Ue: 415 Vac, 50 / 60 Hz  
Ui: 1000 V, Uimp: 12 kV, In: 800 A, 1000 A, 1250 A, 1600 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 test report no. 3319443.50 issued on 2022-09-01.

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 28 September 2022      Number: 3319443.01A

DEKRA Testing Services (Zhejiang) Co., Ltd.

Ms J Guo  
Certification Manager

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DEKRA Testing Services (Zhejiang) Co., Ltd.  
No. 5. Changjiang Road, Great Bridge Industrial Park, North Baixiang, Wenzhou, 325603 Zhejiang, ZJ, China  
T www.dekra-product-safety.com



**Ratings:**

Product	: Moulded-Case Circuit-Breaker
Trade name(s)	: CHT
Type(s)	: DGM2E-1600
Number of poles	: 3P and 4P (N pole with overcurrent protection)
Rated operational voltage (Ue)	: 415 Vac
Rated insulation voltage (Ui)	: 1000 V
Rated impulse withstand voltage (Uimp)	: 12 kV
Rated frequency	: 50 / 60 Hz
Rated current (In)	: 800 A, 1000 A, 1250 A, 1600 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)	: 20 kA - 1 s
Individual pole short-circuit (IIT)	: 12 In
Suitable for isolation	: Suitable
Selectivity category	: B
Safety distance (screen-circuit breaker)	: Front / Back: 0 mm, Left / Right: 50 mm, Up / Down: 100/0 mm
Reference temperature	: Independent
Method of mounting	: Fixed
EMC environment	: A and B
Tightening torque for terminals	: M10 / 20 Nm
Line/load terminal	: Marked
Connection	: Copper conductor with cable lug for 800 A Copper conductor with copper busbars for 800 A - 1600 A
Inverse time delay release	: Ir: (0,4, 0,5, 0,6, 0,7, 0,8, 0,9) x In + (0, 0,02, 0,03, 0,04, 0,05, 0,06, 0,07, 0,08, 0,09, 0,1) x In
Time setting of the inverse time delay release	: tr: 15, 30, 60, 120, 240, 480 s at 1,5 Ir + OFF, with tolerance of ± 10% tripping time at 2 Ir: 8,5 s ± 10% (tr = 15 s) 270 s ± 10% (tr = 480 s)
Short time delay release	: Isd: (2, 3, 4, 5, 6, 7, 8, 9, 10) x Ir + OFF
Time setting of the short time delay release	: tsd: (0,1, 0,2, 0,3, 0,4 s) ± 0,04 s at I <sup>2</sup> t off non-tripping duration: Set at 0,1 s: 0,06 s, Set at 0,4 s: 0,36 s
Instantaneous release	: Ii: (3, 4, 5, 6, 7, 8, 9, 10, 12) x Ir + OFF
Ground fault release	: Ig: (0,2, 0,3, 0,4, 0,5, 0,6, 0,7, 0,8, 0,9, 1) x In + OFF, with tolerance of ± 15% tg: (0,1, 0,2, 0,3, 0,4 s) ± 0,04 s

**Additional information:**

Nomenclature breakdown:

DGM2E-1600/4300

a            b            c

a = Model name: DGM2E

b = Frame size: 1600

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