

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-100 and DGM2E-50

Ratings: Ue: 415 Vac, 50 / 60 Hz
Ui: 800 V, Uimp: 8 kV, In: 50 A, 100 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. 3319437.50 issued on 2022-09-28.

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 17 October 2022 Number: 3319437.01A

DEKRA Testing Services (Zhejiang) Co., Ltd.

Ms J Guo
Certification Manager

© Integral publication of this attestation and adjoining reports is allowed

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:

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)	: 10 In - 1 s
Individual pole short-circuit (IIT)	: 12 In
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	: M6 / 3 Nm for plug-in M8 / 6 Nm for fixed
Line/load terminal Connection	: Marked Copper conductor with cable lug
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 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	: 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 $\pm 15\%$

Product rating - DGM2E-100

Rated current (In)	: 100 A
Inverse time delay release	: Ir: 40, 50, 63, 70, 80, 85, 90, 95, 100 A

Product rating - DGM2E-50

Rated current (In)	: 50 A
Inverse time delay release	: Ir: 20, 25, 30, 35, 40, 45, 50 A

Additional information:

Nomenclature breakdown:

DGM2E-100/4300

a b c

a = Model name: DGM2E

b = Frame size: 100 or 50

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