

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEME

CB TEST CERTIFICATE

Product	Moulded-Case Circuit-Breaker
Name and address of the applicant	Wenzhou CHT Electric Co.,Ltd. No.808, Ninth Binhai Road, Wenzhou Economic & Technological Development Zone 325025 Wenzhou Zhejiang China
Name and address of the manufacturer	Wenzhou CHT Electric Co.,Ltd. No.808, Ninth Binhai Road, Wenzhou Economic & Technological Development Zone 325025 Wenzhou Zhejiang China
Name and address of the factory	<input type="checkbox"/> Additional information on page 2 Wenzhou CHT Electric Co.,Ltd. No.808, Ninth Binhai Road, Wenzhou Economic & Technological Development Zone 325025 Wenzhou Zhejiang China
Note: When more than one factory, please report on page 2	
Ratings and principal characteristics	Ue: 415 Vac, 50 / 60 Hz In: 250 A, Ui: 800 V, Uimp: 8 kV 3P and 4P (N pole with overcurrent protection) Icu: 50 kA Ics: 50 kA Icw: 2,5 kA - 1 s, selectivity category A See annex for further ratings
Trademark (if any)	CHT
Customer's Testing Facility (CTF) Stage used	
Model / Type Ref.	DGM2E-250
Additional information (if necessary may also be reported on page 2)	<input type="checkbox"/> Additional information on page 2
A sample of the product was tested and found to be in conformity with	IEC 60947-2:2016, IEC 60947-2:2016/AMD1:2019
As shown in the Test Report Ref. No. which forms part of this Certificate	3319439.50

This CB Test Certificate is issued by the National Certification Body

DEKRA Certification B.V.
Meander 1051, NL-6825 MJ Arnhem, Netherlands

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 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 $\pm 15\%$

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