

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: Air Circuit-Breaker

Trade name: CHT

Type/Model: DGW3-1600

Ratings: Ue: 400 / 690 Vac, 50 / 60 Hz
Ui: 1000 V, Uimp: 12 kV,
In: 200 A, 250 A, 400 A, 630 A, 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/AMD1:2019

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a test report no. 3319453.50 issued on 2023-08-02.

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, 14 August 2023

Number: 3319453.01-AOC

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, China
T +86 57762 868000 www.dekra-product-safety.com



Ratings:

Number of poles	: 3P or 4P (N pole with overcurrent protection)
Rated operational voltage (Ue)	: 400 / 690 Vac
Rated insulation voltage (Ui)	: 1000 V for main circuit 500 V for control circuit
Rated impulse withstand voltage (Uimp)	: 12 kV for main circuit 4 kV for control circuit
Rated frequency	: 50/60 Hz
Rated current (In)	: 200 A, 250 A, 400 A, 630 A, 800 A, 1000 A, 1250 A, 1600 A
Conventional thermal current (Ith)	: Equal to In
Current rating for four-pole circuit-breakers	: 50% In or 100% In
Rated service short-circuit breaking capacity (Ics)	: 100% Icu
Rated ultimate short-circuit breaking capacity (Icu)	: 42 kA at 400 Vac, 25 kA at 690 Vac
Rated short-time withstand current (Icw)	: 42 kA / 1 s at 400 Vac, 25 kA / 1 s at 690 Vac
Individual pole short-circuit (I _{IT})	: 18 In at 400 Vac
Suitable for isolation	: Suitable
Selectivity category	: B
Safety distance (screen-circuit breaker)	: All sides: 0 mm
Reference temperature	: Independent
Ambient temperature	: - 5 °C to 40 °C
Method of mounting	: Withdrawable or fixed
EMC Environment	: A
Tightening torque for terminals	: M10 / 45 Nm
Line/load terminal	: Immaterial
Connection	: Minimum cross-sectional area of conductor: Prepared copper conductor, 95 mm ² Maximum cross-sectional area of conductor: Copper busbar, (100 x 5) mm ² x 2
Inverse time delay release	: Ir: (0,4 - 1,0) x In + OFF, step 1 A
Time setting of the inverse time delay release	: tr: 15 s - 480 s, with tolerance of ± 10% (at 1,5 Ir) tripping time at 2 Ir: 7,60 s - 9,28 s (tr = 15 s) 243 s - 297 s (tr = 480 s)
Short time delay release	: Isd: (1,5 - 15) x Ir, OFF, step 1 A
Time setting of the short time delay release	: tsd: I ² t off, 0,1 s - 1 s, step 0,1 s, with tolerance of ± 15% non-tripping duration: tsd of - 15%
Instantaneous release	: Ii: (2 - 15) x In, OFF, step 1 A
Ground fault release	: Ig: (0,2 - 1) x In, OFF, step 1 A, tg: I ² t off, 0,1 s - 1,0 s, step 0,1 s, with tolerance of ± 15%
Shunt release	: AC 220 / 230 V, AC 380 / 480 V, 50/60 Hz DC 110 V, DC 220 V
Under-voltage release	: AC 220 / 230 V, AC 380 / 480 V, 50/60 Hz
Closing release	: AC 220 / 230 V, AC 380 / 480 V, 50/60 Hz DC 110 V, DC 220 V
Stored energy motor	: AC 220 / 230 V, AC 380 / 480 V, 50/60 Hz DC 110 V, DC 220 V

Additional information:

Nomenclature breakdown:

DGW3-1600/4

a b c

a = Model name: DGW3

b = Frame size: 1600

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