

# CERTIFICATE

Issued to:

Applicant:

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

Licensee:

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

Product : Moulded-Case Circuit-Breaker  
Trade name(s) : CHT  
Type(s)/model(s) : DGM2-100

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard(s) EN 60947-2:2017, EN 60947-2:2017/A1:2020, IEC 60947-2:2016 and IEC 60947-2:2016/A1:2019
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 6059280

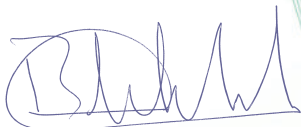
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on 2 November 2022 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-125712

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



R Zhou  
Certification Manager

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DUTCH ACCREDITATION  
COUNCIL



**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

Product	: Moulded-Case Circuit-Breaker
Trade name(s)	: CHT
Type(s)/model(s)	: DGM2-100
Number of poles	: 3P and 4P (N pole without overcurrent protection)
Rated operational voltage (U <sub>e</sub> )	: 415 Vac
Rated insulation voltage (U <sub>i</sub> )	: 800 V
Rated impulse withstand voltage (U <sub>imp</sub> )	: 8 kV
Rated frequency	: 50 / 60 Hz
Rated current (I <sub>n</sub> )	: 16 A, 20 A, 25 A, 32 A, 40 A, 50 A, 63 A, 80 A, 100 A
Conventional thermal current (I <sub>th</sub> )	: Equal to I <sub>n</sub>
Current rating for four-pole circuit-breakers	: Equal to I <sub>n</sub>
Rated service short-circuit breaking capacity (I <sub>cs</sub> )	: 50 kA
Rated ultimate short-circuit breaking capacity (I <sub>cu</sub> )	: 50 kA
Individual pole short-circuit (I <sub>tr</sub> )	: 12 I <sub>n</sub>
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	: 40 °C
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	: Marked
Connection	: Copper conductor with cable lug
Inverse time delay release	: Fixed
Time setting of the inverse time delay release	: Fixed, tripping time at 2 I <sub>n</sub> : 60 s - 540 s
Instantaneous release	: I <sub>i</sub> : 10 I <sub>n</sub>

**TESTS****Test requirements**

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

**Test result**

The test results are laid down in DEKRA test file 331942900.

**Additional information**

Nomenclature breakdown:

DGM2-100/4300

a        b    c

a = Model name: DGM2

b = Frame size: 100

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

The referred test report is 3319429.50.

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

Wenzhou CHT Electric Co.,Ltd.

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