

# 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 : Residual current operated circuit-breakers with integral overcurrent protection (RCBO)  
Trade name(s) : CHT  
Type(s)/model(s) : DBL1-40E

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

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

- a type test according to EN 61009-1:2012, EN 61009-1:2012/A1:2014, EN 61009-1:2012/A2:2014, EN 61009-1:2012/A11:2015, EN 61009-1:2012/A12:2016, EN 61009-1:2012/A13:2021, IEC 61009-1:2010, IEC 61009-1:2010/AMD1:2012, IEC 61009-1:2010/AMD2:2013 and IEC 61009-2-2:1991
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 6059280

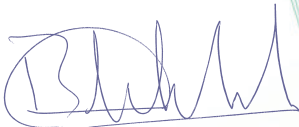
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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 17 July 2024 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-140557

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



Miranda Zhou  
Certification Manager

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ACCREDITED BY THE  
DUTCH ACCREDITATION  
COUNCIL



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

Product	: Residual current operated circuit-breakers with integral overcurrent protection (RCBO)
Trade name(s)	: CHT
Type(s)/model(s)	: DBL1-40E
Number of poles	: 2P
Rated current (In)	: 6, 10, 13, 16, 20, 25, 32, 40 A
Rated residual current (I $\Delta$ n)	: 30 mA
Classification of RCBOs functionally dependent on the line voltage	: yes
Rated voltage (Un)	: 240 Vac
Rated frequency (Hz)	: 50 / 60 Hz
Behaviour to d.c. components	: type A and AC
Time delay	: without time-delay
Range of instantaneous tripping overcurrent	: B and C type
Rated short-circuit capacity (Icn)	: 10 kA
Rated service short-circuit capacity (Ics)	: 7,5 kA
Rated residual making and breaking capacity (I $\Delta$ m)	: 3 kA
Energy limiting class	: 3
The grid distance "a"	: 50 mm
Ambient air temperature	: -25 °C ... + 40 °C
Reference calibration temperature	: 30 °C

**TESTS****Test requirements**

EN 61009-1:2012  
EN 61009-1:2012/A1:2014  
EN 61009-1:2012/A2:2014  
EN 61009-1:2012/A11:2015  
EN 61009-1:2012/A12:2016  
EN 61009-1:2012/A13:2021  
IEC 61009-1:2010  
IEC 61009-1:2010/AMD1:2012  
IEC 61009-1:2010/AMD2:2013  
IEC 61009-2-2:1991

**Test result**

The test results are documented in DEKRA test file 333094900.

**Additional information**

The referred test report is 3330949.50.

**Conclusion**

The examination has confirmed that all requirements were met.

**Factory location**

Wenzhou CHT Electric Co.,Ltd.

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