

CERTIFICATE

Issued to:
Applicant:
Zhejiang Chint Electrics Co., Ltd.
No. 1, Chint Road, Chint Industrial Zone, North
Baixiang, Yueqing,
325603 Zhejiang, China

Licensee:
Zhejiang Chint Electrics Co., Ltd.
No. 1, Chint Road, Chint Industrial Zone, North
Baixiang, Yueqing,
325603 Zhejiang, China

Product : Residual current circuit breakers with integral overcurrent protection (RCBO)
Trade name(s) : CHINT
Type(s)/model(s) : NB1L

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 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 61009-2-1:1994 and EN 61009-2-1:1994/A11:1998
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2032236

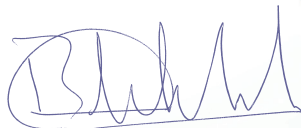
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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

This certificate is issued on 7 November 2019 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-110651

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



A.C. Slingerland
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Residual current circuit breakers with integral overcurrent protection (RCBO)
Trade name(s)	: CHINT
Type(s)/model(s)	: NB1L
Number of poles	: 1P+N
Number of protected poles	: 1
Rated current (In)	: 2, 4, 6, 10, 13, 16, 20, 25, 32, 40 A
Rated residual current (I _{dn})	: 30, 100, 300 mA
Classification of RCBOs functionally dependent on the line voltage	: no
Rated voltage (U _n)	: 220 / 230 / 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 (I _{cn})	: 6000 A or 10000 A
Rated service short-circuit capacity (I _{cs})	: 6000 A or 7500 A
Rated residual making and breaking capacity (I _{∞ m})	: 3000 A
Energy limiting class	: 3
Safety distance "a" (grid)	: 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 61009-2-1:1994
EN 61009-2-1:1994/A11:1998

Test result

The test results are laid down in DEKRA test file 331667500.

Additional information

The referred test reports are 3316675.50, 3314711.50, 3310241.50, 3306652.50, 3302588.52, 3302588.50 and W0811042.50.

The product also complies with IEC 61009-1:2010+A1:2012+A2:2013, IEC 61009-2-1:1991.

This certificate replaces certificate No. 33-106162 which we herewith declare invalid.

Conclusion

The examination proved that all requirements were met.

Factory location

Zhejiang Chint Electrics Co., Ltd.

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325603 Zhejiang, China