

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 operated circuit-breakers with integral overcurrent protection (RCBO)
Trade name(s) : CHINT
Type(s)/model(s) : NB1L

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 on the basis of:

- 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, EN 61009-2-1:1994, EN 61009-2-1:1994/A11:1998, IEC 61009-1:2010, IEC 61009-1:2010/AMD1:2012, IEC 61009-1:2010/AMD2:2013 and IEC 61009-2-1:1991
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2032236

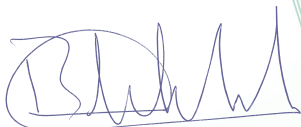
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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

This certificate is issued on 6 May 2024 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-139201

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



S. Lehner
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)	: CHINT
Type(s)/model(s)	: NB1L
Number of poles	: 1P+N
Rated current (In)	: 2, 4, 6, 10, 13, 16, 20, 25, 32, 40 A
Rated residual current (I Δ n)	: 30, 100, 300 mA
Classification of rcbos functionally dependent on the line voltage	: No
Rated voltage (Un)	: 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 (Icn)	: 4,5 kA / 6 kA / 10 kA
Rated service short-circuit capacity (Ics)	: 4,5 kA / 6 kA / 7,5 kA
Rated residual making and breaking capacity (I Δ m)	: 3 kA
Energy limiting class	: 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 61009-1:2012/A13:2021
EN 61009-2-1:1994
EN 61009-2-1:1994/A11:1998
IEC 61009-1:2010
IEC 61009-1:2010/AMD1:2012
IEC 61009-1:2010/AMD2:2013
IEC 61009-2-1:1991

Test result

The test results are laid down in DEKRA test file 333083100.

Additional information

The referred test reports are 3330831.50, 3318200.50, 3316675.50, 3314711.50, 3310241.50, 3306652.50, 3302588.52, 3302588.50 and W0811042.50.

This certificate replaces certificate No. 33-115197 which we hereby declare invalid.

Conclusion

The examination proved that all requirements were met.

Factory location

Zhejiang Chint Electrics Co., Ltd.

No. 1, Chint Road, Chint Industrial Zone, North Baixiang, Yueqing
325603 Zhejiang, China