

# 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 : Moulded-Case Circuit-Breaker  
Trade name(s) : CHINT  
Type(s)/model(s) : NM1B-100C and NM1B-125C

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 6062363

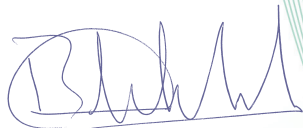
DEKRA hereby grants the right to use the DEKRA Mark.

The DEKRA Mark may be applied to the product as specified in this certificate for the duration and under the conditions of the DEKRA Mark certification agreement.

This certificate is issued on 15 September 2022 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-125388

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



R Zhou  
Certification Manager

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DUTCH ACCREDITATION  
COUNCIL



33-125388

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

Product	: Moulded-Case Circuit-Breaker
Trade name(s)	: CHINT
Type(s)/model(s)	: NM1B-100C and NM1B-125C
Number of poles	: 1P
Rated operational voltage (U <sub>e</sub> )	: 220 Vac / 230 Vac / 240 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
Conventional thermal current (I <sub>th</sub> )	: Equal to I <sub>n</sub>
Reference temperature	: 40 °C or 50 °C
Suitable for isolation	: Suitable
Rated service short-circuit breaking capacity (I <sub>cs</sub> )	: 10 kA
Rated ultimate short-circuit breaking capacity (I <sub>cu</sub> )	: 10 kA
Selectivity category	: A
Safety distance (screen-circuit breaker)	: Front / Back: 0 mm, Left / Right: 50 mm, Up / Down: 50 / 0 mm
Instantaneous release	: Magnetic type, fixed, I <sub>i</sub> = 10 I <sub>n</sub>
Time setting of the instantaneous	: Fixed
Inverse time delay release	: Thermal type, fixed
Time setting of the inverse time delay release	: Fixed, trip time at 2 I <sub>n</sub> : 30 s ≤ t ≤ 720 s
Method of mounting	: Fixed
EMC environment	: A and B
Rated tightening torque for terminals	: M8 / 10 Nm (for unprepared cable) M6 / 4 Nm (for prepared cable)
Line/load terminal Connection	: Immaterial Copper conductor (1 - 50 mm <sup>2</sup> ) Copper conductor with cable lug

**Product data – type NM1B-100C**

Rated current (I <sub>n</sub> )	: 10 A, 15 A, 16 A, 20 A, 25 A, 30 A, 32 A, 40 A, 45 A, 50 A, 55 A, 60 A, 63 A, 65 A, 70 A, 75 A, 80 A, 85 A, 90 A, 100 A
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**Product data – type NM1B-125C**

Rated current (I <sub>n</sub> )	: 10 A, 15 A, 16 A, 20 A, 25 A, 30 A, 32 A, 40 A, 45 A, 50 A, 55 A, 60 A, 63 A, 65 A, 70 A, 75 A, 80 A, 85 A, 90 A, 100 A, 105 A, 110 A, 115 A, 120 A, 125 A
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**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 332493100.

**Additional information**

Nomenclature breakdown:

NM1B -125 C

a      b    c

a = Model name: 'NM1B'

b = Frame size: '125' or '100'

c = Short-circuit capacity: 'C'

The referred test report is 3324931.50.

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

Zhejiang Chint Electrics Co., Ltd.

No. 1318, Binhai No. 2 Avenue, Economic and Technical Development Zone,  
325025 Wenzhou Zhejiang, China