

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) : NM1-250C, NM1-250H and NM1-250S

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 2032236

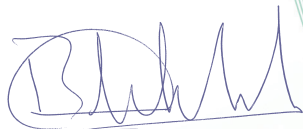
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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 25 October 2021 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-117969

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



R Zhou
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Moulded-Case Circuit-Breaker
Trade name(s)	: CHINT
Type(s)/model(s)	: NM1-250C, NM1-250H and NM1-250S
Number of poles	: 2P, 3P and 4P (N pole with or without overcurrent protection)
Protected pole	: 2, 3 or 4
Rated operational voltage (Ue)	: 220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac / 500 Vac / 660 Vac / 690 Vac for 3P and 4P, 220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac for 2P
Rated insulation voltage (Ui)	: 800 V
Rated impulse withstand voltage (Uimp)	: 8 kV
Rated frequency	: 50 / 60 Hz
Rated current (In)	: 100 A, 110 A, 125 A, 140 A, 150 A, 160 A, 170 A, 175 A, 180 A, 200 A, 225 A, 250 A
Conventional thermal current (Ith)	: Equal to In
Current rating for four-pole circuit- breakers	: Equal to In
Suitable for isolation	: Suitable
Selectivity category	: A
Safety distance (screen-circuit breaker)	: Front / Back: 0 mm, Left / Right: 50 mm, Up / Down: 50 mm / 0 mm
Reference temperature	: 40 °C
Method of mounting	: Fixed
EMC environment	: A and B
Tightening torque for terminals	: 12 Nm
Line/load terminal	: Marked
Connection	: Copper conductor with cable lug
Inverse time delay release	: Thermal type, fixed
Time setting of the inverse time delay release	: Fixed, trip time at 2 In: $50 \text{ s} \leq t \leq 840 \text{ s}$
Instantaneous release	: Magnetic type, fixed, 2 poles in series: $I_i = 10 I_n$ single pole: $14 I_n$

Product data – type NM1-250C

Rated service short-circuit breaking capacity (Ics)	: 13 kA at 220 Vac / 230 Vac / 240 Vac, 10 kA at 380 Vac / 400 Vac / 415 Vac, 3 kA at 660 Vac / 690 Vac
Rated ultimate short-circuit breaking capacity (Icu)	: 25 kA at 220 Vac / 230 Vac / 240 Vac, 20 kA at 380 Vac / 400 Vac / 415 Vac, 5 kA at 660 Vac / 690 Vac

Product data – type NM1-250H

Rated service short-circuit breaking capacity (Ics)	: 50 kA at 220 Vac / 230 Vac / 240 Vac, 25 kA at 380 Vac / 400 Vac / 415 Vac, 15 kA at 500 Vac, 5 kA at 660 Vac / 690 Vac
Rated ultimate short-circuit breaking capacity (Icu)	: 75 kA at 220 Vac / 230 Vac / 240 Vac, 50 kA at 380 Vac / 400 Vac / 415 Vac, 25 kA at 500 Vac, 10 kA at 660 Vac / 690 Vac

Product data – type NM1-250S

Rated service short-circuit breaking capacity (Ics)	: 30 kA at 220 Vac / 230 Vac / 240 Vac, 18 kA at 380 Vac / 400 Vac / 415 Vac, 4 kA at 660 Vac / 690 Vac
Rated ultimate short-circuit breaking capacity (Icu)	: 50 kA at 220 Vac / 230 Vac / 240 Vac, 35 kA at 380 Vac / 400 Vac / 415 Vac, 8 kA at 660 Vac / 690 Vac

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 332012600.

Additional information

NM1-250 C / 4 300 B

a b c d e

a = Model name: 'NM1'

b = Frame size: '250'

c = Short-circuit capacity: 'C', 'S' and 'H'

d = Pole numbers, '4' means 4P MCCBs, '3' means 3P MCCBs, '2' means 2P MCCBs

e = For Neutral pole, 'B' means N pole without overcurrent protection, 'C' means N pole with overcurrent protection

The referred test report is 3320126.50.

This certificate replaces certificate No. 33-110934 which we hereby declare invalid.

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