

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, NM1-250R 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

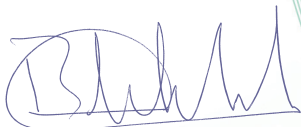
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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 30 June 2021 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-118086

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



R Zhou
Certification Manager

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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, NM1-250R and NM1-250S
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
Rated service short-circuit breaking capacity (Ics)	: Ics = 50% Icu
Suitable for isolation	: Suitable
Utilization category	: A
Safety distance (screen-circuit breaker)	: Front / Back: 0 mm, Left / Right: 50 mm, Up / Down: 50 mm
Reference temperature	: 40 °C
Method of mounting	: Fixed
EMC environment	: A and B
Rated 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 s ≤ t ≤ 720 s
Instantaneous release	: Magnetic type, fixed, 2 poles in series: li = 10 In single pole: 12 In

Product data – type NM1-250C

Number of poles	: 2P, 3P and 4P (N pole without overcurrent protection)
Protected pole	: 2 or 3
Rated operational voltage (Ue)	: 220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac / 660 Vac / 690 Vac for 3P and 4P, 220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac for 2P
Rated ultimate short-circuit breaking capacity (Icu)	: 25 kA at 220 / 230 / 240 Vac, 20 kA at 380 / 400 / 415 Vac, 5 kA at 660 / 690 Vac (3P / 4P), 25 kA at 220 / 230 / 240 Vac, 20 kA at 380 / 400 / 415 Vac (2P)

Product data – type NM1-250H

Number of poles	: 2P, 3P and 4P (N pole without overcurrent protection)
Protected pole	: 2 or 3
Rated operational voltage (Ue)	: 220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac / 660 Vac / 690 Vac for 3P and 4P, 220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac for 2P

Rated ultimate short-circuit breaking capacity (Icu) : 65 kA at 220 / 230 / 240 Vac,
50 kA at 380 / 400 / 415 Vac
8 kA at 660 / 690 Vac

Product data – type NM1-250R

Number of poles : 2P, 3P and 4P (N pole without overcurrent protection)
Protected pole : 2 or 3
Rated operational voltage (Ue) : 220 Vac / 230 Vac / 240 Vac / 380 Vac /
400 Vac / 415 Vac / 660 Vac / 690 Vac for 3P and 4P,
220 Vac / 230 Vac / 240 Vac / 380 Vac /
400 Vac / 415 Vac for 2P
Rated ultimate short-circuit breaking capacity (Icu) : 85 kA at 220 / 230 / 240 Vac,
65 kA at 380 / 400 / 415 Vac
10 kA at 660 / 690 Vac

Product data – type NM1-250S

Number of poles : 1P, 2P, 3P and 4P (N pole without overcurrent protection)
Protected pole : 1, 2 or 3
Rated operational voltage (Ue) : 220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac /
660 Vac / 690 Vac for 3P and 4P,
220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac for
1P and 2P
Rated ultimate short-circuit breaking capacity (Icu) : 42 kA at 220 / 230 / 240 Vac, 25 kA at 380 /
400 / 415 Vac, 5 kA at 660 / 690 Vac
(3P / 4P),
42 kA at 220 / 230 / 240 Vac, 25 kA at 380 /
400 / 415 Vac (2P),
20 kA at 220 / 230 / 240 Vac, 10 kA at 380 /
400 / 415 Vac (1P)

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 332012700.

Additional information

NM1- 250 R / 4 300

a b c d

a = Model name: NM1

b = Frame size: 250

c = short-circuit capacity: 'R' , 'H' , 'S' or 'C'

d = pole numbers, '4' means 4P MCCBs, '3' means 3P MCCBs, '2' means 2P MCCBs, 'blank' means 1P MCCBs

The referred test reports are 3320127.50, 3320127.51, 3316468.50, 3307672.50, 3316470.50 and 3307673.50

This certificate replaces certificate No. 33-110230 which we hereby declare invalid

This certificate replaces certificate No. 33-110717 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