

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) : NM8N-125C, NM8N-125H, NM8N-125Q, NM8N-125R and NM8N-125S

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

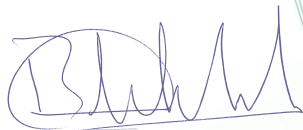
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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 5 December 2022 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-125922

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



H.R.M. Barends
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)	: NM8N-125C, NM8N-125H, NM8N-125Q, NM8N-125R and NM8N-125S
Rated insulation voltage (Ui)	: 1000 V
Rated impulse withstand voltage (Uimp)	: 8 kV
Rated frequency	: 50 / 60 Hz
Rated current (In)	: 16 A, 20 A, 25 A, 32 A, 40 A, 50 A, 63 A, 80 A, 100 A, 125 A
Conventional thermal current (Ith)	: Equal to In
Current rating for four-pole circuit-breakers	: Equal to In
Individual pole short-circuit (IIT)	: 1,2 Ii at 690 Vac for 2P, 3P and 4P MCCBs 1,2 Ii at 240 Vac for 1P MCCBs
Suitable for isolation	: Suitable
Selectivity category	: A
Safety distance (screen-circuit breaker)	: Front / back: 0 mm Left / right: 0 mm Up / down: 0 mm
Reference temperature	: 50 °C or 55 °C
Method of mounting	: Fixed
EMC Environment	: A
Tightening torque for terminals	: 6,0 Nm for M6
Line/load terminal	: Immaterial
Connection	: copper conductor with cable lug
Inverse time delay release	: Ir (inverse time delay tripping setting): For 2P, 3P and 4P: Ir: (0,7 / 0,8 / 0,9 / 1,0) x In For 1P: Ir: 1,0 x In
Time setting of the inverse time delay release	: Fixed, trip time at 2 In: 60 s ≤ t ≤ 600 s
Instantaneous release	: Ii (instantaneous tripping setting): Ii: 10 In

Product data – type NM8N-125C

Number of poles	: 1P, 2P, 3P and 4P (N pole with or without overcurrent protection)
Rated operational voltage (Ue)	: 220 Vac / 230 Vac / 240 Vac for 1P 380 Vac / 400 Vac / 415 Vac, 440 Vac, 500 Vac, 660 Vac / 690 Vac for 2P, 3P and 4P
Rated ultimate short-circuit breaking capacity (Icu)	: 2P, 3P and 4P: 36 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac, 25 kA at 500 Vac, 6 kA at 660 Vac / 690 Vac, 1P: 36 kA at 220 Vac / 230 Vac / 240 Vac
Rated service short-circuit breaking capacity (Ics)	: 2P, 3P and 4P: 36 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac, 25 kA at 500 Vac, 6 kA at 660 Vac / 690 Vac, 1P: 36 kA at 220 Vac / 230 Vac / 240 Vac

Product data – type NM8N-125H

Number of poles	: 2P, 3P and 4P (N pole with or without overcurrent protection)
Rated operational voltage (Ue)	: 380 Vac / 400 Vac / 415 Vac, 440 Vac, 500 Vac, 660 Vac / 690 Vac
Rated ultimate short-circuit breaking capacity (Icu)	: 100 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac, 50 kA at 500 Vac, 10 kA at 660 Vac / 690 Vac,
Rated service short-circuit breaking capacity (Ics)	: 100 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac, 50 kA at 500 Vac, 10 kA at 660 Vac / 690 Vac,

Product data – type NM8N-125Q

Number of poles	: 2P, 3P and 4P (N pole with or without overcurrent protection)
Rated operational voltage (Ue)	: 380 Vac / 400 Vac / 415 Vac, 440 Vac, 500 Vac, 660 Vac / 690 Vac
Rated ultimate short-circuit breaking capacity (Icu)	: 70 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac, 40 kA at 500 Vac, 8 kA at 660 Vac / 690 Vac
Rated service short-circuit breaking capacity (Ics)	: 70 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac, 40 kA at 500 Vac, 8 kA at 660 Vac / 690 Vac

Product data – type NM8N-125R

Number of poles	: 2P, 3P and 4P (N pole with or without overcurrent protection)
Rated operational voltage (Ue)	: 380 Vac / 400 Vac / 415 Vac, 440 Vac, 500 Vac, 660 Vac / 690 Vac
Rated ultimate short-circuit breaking capacity (Icu)	: 150 kA at 380 Vac / 400 Vac / 415 Vac 100 kA at 440 Vac, 50 kA at 500 Vac, 10 kA at 660 Vac / 690 Vac
Rated service short-circuit breaking capacity (Ics)	: 150 kA at 380 Vac / 400 Vac / 415 Vac 100 kA at 440 Vac, 50 kA at 500 Vac, 10 kA at 660 Vac / 690 Vac

Product data – type NM8N-125S

Number of poles	: 1P, 2P, 3P and 4P (N pole with or without overcurrent protection)
Rated operational voltage (Ue)	: 220 Vac / 230 Vac / 240 Vac for 1P 380 Vac / 400 Vac / 415 Vac, 440 Vac, 500 Vac, 660 Vac / 690 Vac for 2P, 3P and 4P
Rated ultimate short-circuit breaking capacity (Icu)	: 2P, 3P and 4P: 50 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac, 40 kA at 500 Vac, 8 kA at 660 Vac / 690 Vac 1P: 50 kA at 220 Vac / 230 Vac / 240 Vac
Rated service short-circuit breaking capacity (Ics)	: 2P, 3P and 4P: 50 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac, 40 kA at 500 Vac, 8 kA at 660 Vac / 690 Vac 1P: 50 kA at 220 Vac / 230 Vac / 240 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 332597100.

Additional information

Nomenclature breakdown:

NM8N – 125 C TM 125 4

a b c d e f

a = model name: 'NM8N'

b = frame size: '125'

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

d = trip unit: 'TM' means thermal magnetic type

e = rated current: 16 A, 20 A, 25 A, 32 A, 40 A, 50 A, 63 A, 80 A, 100 A, 125 A

f = number of poles: '4' means 4P, '3' means 3P, '2' means 2P, '1' means 1P

This certificate is based on certificate No. 33-120615 REV.1 issued on 7 April 2022.

The referred test reports are 3325971.50, 3325971.51, 321419.50 and 3321419.51.

Conclusion

The examination proved that all requirements were met.

Factory location

NOARK Electrics (Shanghai) Co.,Ltd.

No. 3857, Sixian Road, Songjiang District

201614 Shanghai, China