ATTESTATION OF CONFORMITY

Issued to:	Zhejiang Chint Electrics Co., Ltd. No. 1, Chint Road, Chint Industrial Zone, North Baixiang, Yueqing, 325603 Zhejiang, China
For the product:	Moulded-case circuit-breaker
Trade name:	CHINT
Type/Model:	NM8N-250C, NM8N-250S, NM8N-250Q, NM8N-250H and NM8N-250R
Ratings:	Ue: 380 Vac / 400 Vac / 415 Vac, 440 Vac, 500 Vac, 525 Vac, 660 Vac / 690 Vac, 50 / 60 Hz, In: 125 A, 160 A, 180 A, 200 A, 225 A, 250 A See annex for further ratings
Manufactured by:	Zhejiang Chint Electrics Co., Ltd. No. 1, Chint Road, Chint Industrial Zone, North Baixiang, Yueqing, 325603 Zhejiang, China
Subject:	Type test
Requirements:	EN 60947-2:2017, EN 60947-2:2017/A1:2020, EN 60947-5-1:2017, IEC 60947-2:2016, IEC 60947-2:2016/A1:2019, IEC 60947-5-1:2016
Remark:	This attestation replaces no. 3319341.01A issued on 2020-11-20.

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a test report no. 3321423.50 issued on 2022-03-25, 3321423.51 issued on 2022-03-25, CQC CB test report no. 00901-CB2018CQC-084130 issued on 2019-03-25 with CB test certificate no. CN46412 issued on 2019-04-09 and CQC CB test report no. 00901-CB2018CQC-084130-M1 issued on 2019-06-06 with CB test certificate no. CN46412-M1 issued on 2019-06-18.

This Attestation implies that the examined types are in accordance with the standards designated under the Low voltage directive (LVD) 2014/35/EU.

The examination has been carried out on one single specimen or several specimens of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

The CE marking may be affixed on the product if all relevant and effective EC directives are complied with.

Wenzhou, Zhejiang, 1 April 2022 Number: 3321423.01A

DEKRA Testing Services (Zhejiang) Co., Ltd

Ms J Guo
Certification Manager

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Ratings

Rated insulation voltage (Ui)	:	1000 V for main circuit 500 V for shunt release and under-voltage release (2P, 3P and 4P) 500 V for electric operating mechanism (3P and 4P) 500 V for auxiliary circuit (2P, 3P and 4P)
Rated impulse withstand voltage (Uimp)	:	8 kV for main circuit 2,5 kV for shunt release and under-voltage release (2P, 3P and 4P) 6 kV for electric operating mechanism (3P and 4P) 2,5 kV for auxiliary circuit (2P, 3P and 4P)
Rated frequency	:	50 / 60 Hz
Rated current (In)	:	125 A, 160 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
Individual pole short-circuit (I_{IT})	:	1,2 Ii at 240 Vac for 1P 1,2 Ii at 690 Vac for 2P, 3P and 4P
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	:	40 °C
Method of mounting	:	plug-in or fixed (only for 3P and 4P)
EMC Environment	:	A
Tightening torque for terminals	:	11,0 Nm for M8
Line/load terminal	:	Immaterial
Connection	:	copper conductor with cable lug
Inverse time delay release	:	Ir (inverse time delay tripping setting): For thermal magnetic type for 2P, 3P and 4P: Ir: (0,7 / 0,8 / 0,9 / 1,0) x In For thermal magnetic type 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): For thermal magnetic type for 2P, 3P and 4P: Ii: (5 / 6 / 7 / 8 / 9 / 10) x In for In: 180 A - 250 A Ii: (7 / 8 / 9 / 10 / 11 / 12) x In for In: 125 A - 160 A For electromagnetic type for 2P, 3P and 4P: Ii: (9 / 10 / 11 / 12/ 13/ 14) x In For thermal magnetic type for 1P: Ii: 10 In
Shunt release	:	SHT22-M8 for 2P, 3P and 4P: AC: 48 V, 110 V, 220 - 240 V, 380 - 415 V, 50 / 60 Hz DC: 24 V, 48 V, 110 - 120 V, 220 V
Under-voltage release	:	UVT22-M8 for 2P, 3P and 4P: AC: 48 V, 110 V, 220 - 240 V, 380 - 415 V, 50 / 60 Hz DC: 24 V, 48 V, 110 - 120 V, 220 V
Electric operating mechanism	:	MOD22-M8 for 3P and 4P: AC: 110 V, 220 - 240 V, 380 - 415 V, 50 / 60 Hz DC: 24 V, 110 V, 220 V
Auxiliary circuits	:	AX21-M8 / AL21-M8 for 2P, 3P and 4P: 1 NO and 1 NC AC-15: 2 A at 415 Vac, 4 A at 240 Vac, 5 A at 110 Vac DC-13: 0,25 A at 220 Vdc / 110 Vdc Ui: 500 V, Uimp: 2,5 kV Rated conditional short-circuit current: 1 kA

Fuse: RL6-25/6, 6 A, 500 Vac, 50 kA, Schneider

Product rating - NM8N-250C

Number of poles	:	1P, 2P, 3P and 4P (N pole with or without overcurrent protection)
Protected poles	:	1P, 2P, 3P and 4P
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 rating - NM8N-250S

Number of poles	:	1P, 2P, 3P and 4P (N pole with or without overcurrent protection)
Protected poles	:	1P, 2P, 3P and 4P
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, 380 Vac / 400 Vac / 415 Vac, 440 Vac, 500 Vac, 525 Vac 660 Vac / 690 Vac for 3P and 4P
Rated ultimate short-circuit breaking capacity (Icu)	:	1P: 50 kA at 220 Vac / 230 Vac / 240 Vac 2P: 50 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac, 40 kA at 500 Vac, 8 kA at 660 Vac / 690 Vac, 3P and 4P: 50 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac, 40 kA at 500 Vac, 36 kA at 525 Vac, 8 kA at 660 Vac / 690 Vac,
Rated service short-circuit breaking capacity (Ics)	:	1P: 50 kA at 220 Vac / 230 Vac / 240 Vac 2P: 50 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac, 40 kA at 500 Vac, 8 kA at 660 Vac / 690 Vac, 3P and 4P: 50 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac, 40 kA at 500 Vac, 36 kA at 525 Vac, 8 kA at 660 Vac / 690 Vac,

Product rating - NM8N-250Q

Number of poles	:	2P, 3P and 4P (N pole with or without overcurrent protection)
Protected poles	:	2P, 3P and 4P
Rated operational voltage (Ue)	:	380 Vac / 400 Vac / 415 Vac, 440 Vac, 500 Vac, 660 Vac / 690 Vac for 2P, 380 Vac / 400 Vac / 415 Vac, 440 Vac, 500 Vac, 525 Vac 660 Vac / 690 Vac for 3P and 4P
Rated ultimate short-circuit breaking capacity (Icu)	:	2P: 70 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac, 40 kA at 500 Vac, 8 kA at 660 Vac / 690 Vac 3P and 4P: 70 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac, 40 kA at 500 Vac, 36 kA at 525 Vac, 8 kA at 660 Vac / 690 Vac
Rated service short-circuit breaking capacity (Ics)	:	2P: 70 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac, 40 kA at 500 Vac, 8 kA at 660 Vac / 690 Vac 3P and 4P: 70 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac, 40 kA at 500 Vac, 36 kA at 525 Vac, 8 kA at 660 Vac / 690 Vac

Product rating - NM8N-250H

Number of poles	:	2P, 3P and 4P (N pole with or without overcurrent protection)
Protected poles	:	2P, 3P and 4P
Rated operational voltage (Ue)	:	380 Vac / 400 Vac / 415 Vac, 440 Vac, 500 Vac, 660 Vac / 690 Vac for 2P, 380 Vac / 400 Vac / 415 Vac, 440 Vac, 500 Vac, 525 Vac 660 Vac / 690 Vac for 3P and 4P
Rated ultimate short-circuit breaking capacity (Icu)	:	2P: 100 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac, 50 kA at 500 Vac, 10 kA at 660 Vac / 690 Vac, 3P and 4P: 100 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac, 50 kA at 500 Vac / 525 Vac, 10 kA at 660 Vac / 690 Vac
Rated service short-circuit breaking capacity (Ics)	:	2P: 100 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac, 50 kA at 500 Vac, 10 kA at 660 Vac / 690 Vac, 3P and 4P: 100 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac, 50 kA at 500 Vac / 525 Vac, 10 kA at 660 Vac / 690 Vac

Product rating - NM8N-250R

Number of poles	:	2P, 3P and 4P (N pole with or without overcurrent protection)
Protected poles	:	2P, 3P and 4P
Rated operational voltage (Ue)	:	380 Vac / 400 Vac / 415 Vac, 440 Vac, 500 Vac, 660 Vac / 690 Vac for 2P, 380 Vac / 400 Vac / 415 Vac, 440 Vac, 500 Vac, 525 Vac 660 Vac / 690 Vac for 3P and 4P
Rated ultimate short-circuit breaking capacity (Icu)	:	2P: 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 3P and 4P: 150 kA at 380 Vac / 400 Vac / 415 Vac 100 kA at 440 Vac, 50 kA at 500 Vac / 525 Vac, 10 kA at 660 Vac / 690 Vac
Rated service short-circuit breaking capacity (Ics)	:	2P: 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 3P and 4P: 150 kA at 380 Vac / 400 Vac / 415 Vac 100 kA at 440 Vac, 50 kA at 500 Vac / 525 Vac, 10 kA at 660 Vac / 690 Vac

Additional information

NM8N – 250 C TM 250 4

a b c d e f

a = model name: ‘NM8N’

b = frame size: ‘250’

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

d = trip unit: ‘M’ means electromagnetic type (ICB) or ‘TM’ means thermal magnetic type

e = rated current: 125 A, 160 A, 180 A, 200 A, 225 A, 250 A

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

Accessory type	Model
Auxiliary circuit	AX21-M8 / AL21-M8 (2P, 3P and 4P)
Shunt release	SHT22-M8 (2P, 3P and 4P)
Under-voltage release	UVT22-M8 (2P, 3P and 4P)
Electric operating mechanism	MOD22-M8 (3P and 4P)
Rotation handle	DRH22-M8 (3P and 4P)
Plug-in base	PIA22-M8 (3P and 4P)