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:	Circuit-breakers incorporating residual current protection
Trade name:	CHINT
Type/Model:	NM8NL-125C, NM8NL-125S, NM8NL-125Q, NM8NL-125H and NM8NL-125R
Ratings:	Ue: 380 Vac / 400 Vac / 415 Vac, 440 Vac, 50 / 60 Hz, In: 16 A, 20 A, 25 A, 32 A, 40 A, 50 A, 63 A, 80 A, 100 A, 125 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
Requirements:	BS EN 60947-2:2017+A1:2020, BS EN 60947-5-1:2017

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a test report no. 3321435.50 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 Electrical Equipment (Safety) Regulations 2016.

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 UKCA marking may be affixed on the product if all relevant and effective UK regulations are complied with.

Wenzhou, Zhejiang, 8 April 2022 Number: 3321435.02A

DEKRA Testing Services (Zhejiang) Co., Ltd

Ms J Guo
Certification Manager

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Annex

Document no.	:	Attestation Number 3321435.02A
Ratings		
Number of poles	:	3P and 4P (N pole with or without overcurrent protection)
Protected poles	:	3 or 4
Rated operational voltage (Ue)	:	380 Vac / 400 Vac / 415 Vac, 440 Vac
Rated insulation voltage (Ui)	:	1000 V for main circuit 500 V for control circuit 500 V for auxiliary circuit
Rated impulse withstand voltage (Uimp)	:	8 kV for main circuit 2,5 kV for shunt release and undervoltage release 6 kV for electric operating mechanism 2,5 kV for auxiliary circuit
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 (I_{IT})	:	1,2 Ii at 440 Vac
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	:	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 thermal magnetic type: Ir: (0,7 / 0,8 / 0,9 / 1) 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: Ii: 10 In For electromagnetic type: Ii: 12 In
Rated residual operating current (IΔn)	:	For non-time-delay type: Current setting: Adjustable with fixed steps: RCD1: 30 mA / 100 mA / 300 mA / 1000 mA, RCD2: 50 mA / 200 mA / 500 mA / 2000 mA For time-delay type: Current setting: Adjustable with fixed steps:

Time setting of rated residual operating current	:	Non-time-delay or adjustable time-delay: 0,3 s / 0,5 s / 1,0 s
Time setting of rated residual operating current	:	Non-time-delay or adjustable time-delay: 0,3 s / 0,5 s / 1,0 s
The limiting non-actuating time at 2IΔn (Δt)	:	0,06 s / 0,2 s / 0,5 s
Classification according to behaviour in presence of a d.c. component	:	Type A or Type AC
Depedent on line voltage	:	Yes
Shunt release	:	SHT21-M8: 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	:	UVT21-M8: 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	:	MOD21-M8: 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 - NM8NL-125C

Rated ultimate short-circuit breaking capacity (Icu)	:	36 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,
Rated service short-circuit breaking capacity (Ics)	:	36 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,
Residual short-circuit making and breaking capacity (IΔm)	:	9 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,

Product rating - NM8N-125Q

Rated ultimate short-circuit breaking capacity (Icu)	:	70 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,
Rated service short-circuit breaking capacity (Ics)	:	70 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,
Residual short-circuit making and breaking capacity (IΔm)	:	17,5 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac

Product rating - NM8N-125H

Rated ultimate short-circuit breaking capacity (Icu)	:	100 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,
Rated service short-circuit breaking capacity (Ics)	:	100 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,
Residual short-circuit making and breaking capacity (IΔm)	:	25 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac

Product rating - NM8N-125R

Rated ultimate short-circuit breaking capacity (Icu)	:	150 kA at 380 Vac / 400 Vac / 415 Vac 100 kA at 440 Vac,
Rated service short-circuit breaking capacity (Ics)	:	150 kA at 380 Vac / 400 Vac / 415 Vac 100 kA at 440 Vac,
Residual short-circuit making and breaking capacity (IΔm)	:	37,5 kA at 380 Vac / 400 Vac / 415 Vac 25 kA at 440 Vac,

Product rating - NM8NL-125S

Rated ultimate short-circuit breaking capacity (Icu)	:	50 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,
Rated service short-circuit breaking capacity (Ics)	:	50 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,
Residual short-circuit making and breaking capacity (IΔm)	:	12,5 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,

Additional information

NM8N L – 125 C TM 125 4

a b c d e f g

a = model name: ‘NM8N’
b = residual current protection device
c = frame size: ‘125’
d = short-circuit capacity: ‘C’, ‘S’, ‘Q’, ‘H’ or ‘R’
e = trip unit: ‘M’ means electromagnetic type or ‘TM’ means thermal magnetic type
f = rated current: 16 A, 20 A, 25 A, 32 A, 40 A, 50 A, 63 A, 80 A, 100 A, 125 A
g = number of poles: ‘4’ means 4P, ‘3’ means 3P

Accessory type	Model
Auxiliary circuit	AX21-M8 / AL21-M8
Shunt release	SHT21-M8
Undervoltage release	UVT21-M8
Stored energy motors	MOD21-M8
Rotation handle	DRH21-M8

End