

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: Air Circuit-Breaker

Trade name: CHINT

Type/Model: NA8-3200, NA8-3200N, NA8-4000H and NA8-4000N

Ratings: Ue: 380 / 400 / 415, 525 / 660 / 690 Vac, 50 / 60 Hz,
In for NA8-4000H and NA8-4000N:
1000 A, 1250 A, 1600 A, 2000 A, 2500 A, 2900 A, 3200 A, 3600 A, 4000 A
In for NA8-3200 and NA8-3200N:
1000 A, 1250 A, 1600 A, 2000 A, 2500 A, 2900 A, 3200 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

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a test reports no. 3323012.50 issued on 2022-09-27; CQC CB test report no. 00901-CB2018CQC-084907 issued on 2019-03-25 with CB test certificate no. CN46394 issued on 2019-04-09.

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, 08 October 2022 Number: 3323012.01A

DEKRA Testing Services (Zhejiang) Co., Ltd.

Ms J Guo
Certification Manager

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Ratings

Number of poles	:	3P or 4P
Rated operational voltage (Ue)	:	380 / 400 / 415, 525 / 660 / 690 Vac
Rated insulation voltage (Ui)	:	1250 V for main circuit 500 V for control circuit 500 V for auxiliary circuit
Rated impulse withstand voltage (Uimp)	:	12 kV for main circuit 6,0 kV for control circuit 2,5 kV for auxiliary circuit
Rated frequency	:	50 / 60 Hz
Conventional thermal current (Ith)	:	Equal to In
Current rating for four-pole circuit-breakers	:	Equal to In
Suitable for isolation	:	Suitable
Selectivity category	:	B
individual pole short-circuit (I _{IT})	:	12 In at 690 Vac
Safety distance (screen-circuit breaker)	:	Front / back: 0 mm Left / right: 0 mm Up / down: 0 mm
Reference temperature	:	Independent
Method of mounting	:	fixed or withdrawable
EMC Environment	:	A
Tightening torque for terminals	:	45,0 Nm for M10
Line/load terminal	:	Immaterial
Connection	:	Copper busbar For In =1000 - 2900 A, cross-sectional area of conductor: (60 x 5) mm ² x 2 - (100 x 10) mm ² x 3 For In =3200 A, cross-sectional area of conductor: (100 x 10) mm ² x 4 For In =3600 - 4000 A, cross-sectional area of conductor: (100 x 10) mm ² x 5
Type of electronic trip unit	:	Advanced type or Standard I type
Inverse time delay release	:	I _r (inverse time delay tripping setting): (0,4 - 1) x I _n in steps of 1 A
Time setting of the inverse time delay release	:	t _r (inverse time delay tripping setting): For trip unit of standard I type: 1 s / 2 s / 4 s / 8 s / 12 s / 16 s / 20 s / 24 s / 30 s, with tolerance of ± 10% (at 6 I _r) For trip unit of advanced type: 1 s / 2 s / 4 s / 8 s / 12 s / 16 s / 20 s / 30 s, with tolerance of ± 10% (at 6 I _r) 2 I _r tripping time declared by the manufacturer: when t _r = 1 s: 8,1 s - 9,9 s when t _r = 30 s: 243 s - 297 s
short time delay release	:	I _{sd} (short time delay current setting): For advanced type: (1,5 - 10) x I _r , in steps of 1 A For standard I type: (1,5 - 10) x I _r , in steps of 1 A if I _{sd} < 10 kA, in steps of 0,01 kA if I _{sd} ≥ 10 kA
time setting of the short time delay release	:	t _{sd} (short time delay time setting): I ² t off: 0,1 s / 0,2 s / 0,3 s / 0,4 s, 0,1 s, with tolerance of 60 ms - 140 ms

	0,2 s, with tolerance of 160 ms - 240 ms
	0,3 s, with tolerance of 270 ms - 330 ms
	0,4 s, with tolerance of 360 ms - 440 ms
	non-tripping duration stated by the manufacturer:
	0,1 s: 50 ms
	0,2 s: 140 ms
	0,3 s: 250 ms
	0,4 s: 330 ms
Instantaneous release	: I_i (instantaneous current setting): For advanced type: Max 50 kA (2 - 15) x I_n , in steps of 1 A For standard I type: (2 - 15) x I_n , in steps of 1 A if $I_i < 10$ kA, in steps of 0,01 kA if $I_i \geq 10$ kA
Making current release (MCR)	: 32 kA for standard I type 40 kA for advanced type
ground fault release	: I_g (ground fault release tripping setting): For trip unit of advanced type: 500 A - 1200 A, in steps of 1 A For trip unit of standard I type: For I_n : 1000 A, 1250 A, 1600 A, 2000 A (0,2 - 1,0) x I_n , in steps of 1 A For I_n : 2500 A, 2900 A, 3200 A, 3600 A, 4000 A 500 A - 1200 A, in steps of 1 A
	t_g (time setting): I^2t off: 0,1 s / 0,2 s / 0,3 s / 0,4 s 0,1 s, with tolerance of 60 ms - 140 ms 0,2 s, with tolerance of 160 ms - 240 ms 0,3 s, with tolerance of 270 ms - 330 ms 0,4 s, with tolerance of 360 ms - 440 ms
Shunt release	: 24 - 30 Vac, 48 Vac, 100 - 130 Vac, 200 - 250 Vac, 380 - 440 Vac, 50 / 60 Hz
Under-voltage release	: 24 - 30 Vac, 48 Vac, 100 - 130 Vac, 200 - 250 Vac, 380 - 440 Vac, 50 / 60 Hz
Closing coil	: 24 - 30 Vdc, 48 - 60 Vdc, 100 - 130 Vdc, 200 - 250 Vdc, 380 - 440 Vac, 50 / 60 Hz
Stored energy motor	: 110 Vac, 220 / 230 / 240 Vac, 380 / 400 / 415 / 440 Vac, 50 / 60 Hz
Power module for trip unit:	110 Vdc, 220 Vdc 220 - 230 Vac, 380 - 415 Vac, 50 / 60 Hz 110 Vdc, 220 Vdc
Auxiliary circuits	: AX-21 12NO12NC - 1NO1NC AC-15: 5 A at 110 Vac, 4 A at 240 Vac, 2 A at 415 Vac 50 / 60 Hz DC-13: 0,25 A at 110 Vdc / 220 Vdc U_i : 500 V, U_{imp} : 2,5 kV, I_{th} : 5 A Rated conditional short-circuit current: 1 kA Fuse: RL6-25/6, 6 A

Product rating - NA8-4000H

rated current (In)	: 1000 A, 1250 A, 1600 A, 2000 A, 2500 A, 2900 A, 3200 A, 3600 A, 4000A
rated ultimate short-circuit breaking capacity (Icu)	: 100 kA at 380 / 400 / 415 Vac, 85 kA at 525 / 660 / 690 Vac
rated service short-circuit breaking capacity (Ics)	: 100 kA at 380 / 400 / 415 Vac, 85 kA at 525 / 660 / 690 Vac
rated short-time withstand current (Icw)	: 100 kA - 1 s, 75 kA - 3 s at 380 / 400 / 415 Vac, 85 kA - 1 s, 75 kA - 3 s at 525 / 660 / 690 Vac

Product rating - NA8-4000N

rated current (In)	: 1000 A, 1250 A, 1600 A, 2000 A, 2500 A, 2900 A, 3200 A, 3600 A, 4000A
rated ultimate short-circuit breaking capacity (Icu)	: 85 kA at 380 / 400 / 415 Vac, 75 kA at 525 / 660 / 690 Vac
rated service short-circuit breaking capacity (Ics)	: 85 kA at 380 / 400 / 415 Vac, 75 kA at 525 / 660 / 690 Vac
rated short-time withstand current (Icw)	: 85 kA - 1 s at 380 / 400 / 415 Vac, 75 kA - 1 s at 525 / 660 / 690 Vac

Product rating - NA8-3200

rated current (In)	: 1000 A, 1250 A, 1600 A, 2000 A, 2500 A, 2900 A, 3200 A
rated ultimate short-circuit breaking capacity (Icu)	: 100 kA at 380 / 400 / 415 Vac, 75 kA at 525 / 660 / 690 Vac
rated service short-circuit breaking capacity (Ics)	: 100 kA at 380 / 400 / 415 Vac, 75 kA at 525 / 660 / 690 Vac
rated short-time withstand current (Icw)	: 85 kA - 1 s at 380 / 400 / 415 Vac, 65 kA - 1 s at 525 / 660 / 690 Vac

Product rating - NA8-3200N

rated current (In)	: 1000 A, 1250 A, 1600 A, 2000 A, 2500 A, 2900 A, 3200 A
rated ultimate short-circuit breaking capacity (Icu)	: 66 kA at 380 / 400 / 415 Vac
rated service short-circuit breaking capacity (Ics)	: 66 kA at 380 / 400 / 415 Vac
rated short-time withstand current (Icw)	: 66 kA - 1 s at 380 / 400 / 415 Vac

Additional information**NA8 - 4000 / H**

a b c

a = model name: 'NA8'

b = frame size: '4000' or '3200'

c = short-circuit capacity: 'N' or 'H'