

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: NA8-1600H, NA8-1600

Ratings: Ue: 380 / 400 / 415 / 440 Vac, 525 / 660 / 690 Vac, 50 / 60 Hz,
In: 200 A, 400 A, 630 A, 800 A, 1000 A, 1250 A, 1600 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. 3329560.50 issued on 2024-01-25 and 3322362.51 issued on 2022-08-31.

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, 14 February 2024

Number: 3329560.01-AOC

DEKRA Testing Services (Zhejiang) Co., Ltd.

Ms J Guo
Certification Manager

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Ratings

Number of poles	:	3P and 4P
rated operational voltage (U _e)	:	380 / 400 / 415 / 440 Vac, 525 / 660 / 690 Vac
Rated insulation voltage (U _i)	:	1000 V for main circuit 500 V for control circuit 500 V for auxiliary circuit
Rated impulse withstand voltage (U _{imp})	:	12 kV for main circuit 6,0 kV for control circuit 6,0 kV for auxiliary circuit
Rated frequency	:	50 / 60 Hz
rated current (I _n)	:	200 A, 400 A, 630 A, 800 A, 1000 A, 1250 A, 1600 A
Conventional thermal current (I _{th})	:	Equal to I _n
Current rating for four-pole circuit-breakers	:	Equal to I _n
individual pole short-circuit (I _{IT})	:	12 I _n at 380 / 400 / 415 / 440 Vac Not applicable at 525 / 660 / 690 Vac
Suitable for isolation	:	Suitable
Selectivity category	:	B
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 or prepared copper conductor with cable lug Minimum cross-sectional area of conductor: 95 mm ² , prepared copper conductor with cable lug Maximum cross-sectional area of conductor: (100 mm x 5 mm) x 2 copper busbars
Inverse time delay release	:	I _r (inverse time delay tripping setting): (0,4 - 1) x I _n , in step of 1 A 15 s / 30 s / 60 s / 120 s / 240 s / 480 s, with tolerance of ± 10% (at 1,5 I _r) 2 I _r tripping time declared by the manufacturer: when tr = 1 s: 7,59 s - 9,28 s when tr = 480 s: 243 s - 297 s
Time setting of the inverse time delay release	:	
short time delay release	:	I _{sd} (short time delay current setting): (1,5 - 15) x I _r , in step of 1 A
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 90 ms - 110 ms 0,2 s, with tolerance of 180 ms - 220 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): (2 - 15) x I _n I _i < 10 kA, in step of 1 A, I _i ≥ 10 kA, in step of 10 A
Making current release (MCR)	:	16 kA

ground fault release	: For In: 630 A, 800 A, 1000 A, 1250 A, 1600 A I _g (current setting): (0,2 - 1,0) x I _n , in step of 1 A For In: 200 A, 400 A I _g (current setting): 100 A - 1,0 x I _n , in step of 1 A t _g (time setting): I ² t off: 0,1 s / 0,2 s / 0,3 s / 0,4 s 0,1 s, with tolerance of 90 ms - 110 ms 0,2 s, with tolerance of 180 ms - 220 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 24 - 30 Vdc, 48 - 60 Vdc, 100 - 130 Vdc, 200 - 250 Vdc,
Under-voltage release	: 24 - 30 Vac, 48 Vac, 100 - 130 Vac, 200 - 250 Vac, 380 - 440 Vac, 50 / 60 Hz 24 - 30 Vdc, 48 - 60 Vdc, 100 - 130 Vdc, 200 - 250 Vdc
Closing coil	: 24 - 30 Vac, 48 Vac, 100 - 130 Vac, 200 - 250 Vac, 380 - 440 Vac, 50 / 60 Hz 24 - 30 Vdc, 48 - 60 Vdc, 100 - 130 Vdc, 200 - 250 Vdc
Stored energy motor	: 110 Vac, 220 - 240 Vac, 380 - 415, 50 / 60 Hz, 220 Vdc, 110 Vdc, 48 Vdc, 24 Vdc
Auxiliary circuits	: 6NO6NC and 4NO4NC AC-15: 2 A at 230 Vac / 240 Vac / 400 Vac / 415 Vac, 50 / 60 Hz DC-13: 0,25 A at 110 Vdc / 220 Vdc U _i : 500 V, U _{imp} : 6 kV, Rated conditional short-circuit current: 1 kA Fuse: RL6-25/6, gG, 6 A, 500 V, 7,5 kA

Product rating – NA8-1600H

rated ultimate short-circuit breaking capacity (I _{cu})	: 66 kA at 380 / 400 / 415 / 440 Vac, 50 kA at 525 / 660 / 690 Vac
rated service short-circuit breaking capacity (I _{cs})	: 66 kA at 380 / 400 / 415 / 440 Vac, 50 kA at 525 / 660 / 690 Vac
rated short-time withstand current (I _{cw})	: 55 kA - 1 s at 380 / 400 / 415 / 440 Vac, 50 kA - 1 s at 525 / 660 / 690 Vac, 30 kA - 3 s at 380 / 400 / 415 / 440 / 525 / 660 / 690 Vac

Product rating - NA8-1600

rated ultimate short-circuit breaking capacity (I _{cu})	: 55 kA at 380 / 400 / 415 / 440 Vac, 42 kA at 525 / 660 / 690 Vac
rated service short-circuit breaking capacity (I _{cs})	: 55 kA at 380 / 400 / 415 / 440 Vac, 42 kA at 525 / 660 / 690 Vac
rated short-time withstand current (I _{cw})	: 42 kA - 1 s at 380 / 400 / 415 / 440 / 525 / 660 / 690 Vac

Additional information

NA8 - 1600 H

a b c

a = model name: 'NA8',

b = frame size: '1600' means '1600 A',

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