

# ATTESTATION OF CONFORMITY

Issued to: Zhejiang Chint Electrics Co., Ltd.  
No.1, Chint Road, Chint Industrial Zone, North Baixiang, Yueqing, Zhejiang, P.R.  
China

For the product: Air Circuit Breaker

Trade name: CHINT

Type/Model: NA8-2500

Ratings: Ue: 400 Vac / 415 Vac / 690 Vac  
In: 630 A, 800 A, 1000 A, 1250 A, 1600 A, 2000 A, 2500 A  
Ui: 1000 V for main circuit, Uimp: 12 kV for main circuit  
3P and 4P (protected N pole)  
Icu: 85 kA at 400 Vac / 415 Vac, 65 kA at 690 Vac  
Ics: 85 kA at 400 Vac / 415 Vac, 65 kA at 690 Vac  
Icw: 85 kA / 1 s at 400 Vac / 415 Vac, 65 kA / 1 s at 690 Vac,  
see other technical data on annex pages

Manufactured by: Zhejiang Chint Electrics Co., Ltd.  
No.1, Chint Road, Chint Industrial Zone, North Baixiang, Yueqing, Zhejiang, P.R.  
China

Subject: Type test

Requirements: EN 60947-2:2006 + A1:2009 + A2:2013, IEC 60947-2:2006 + A1:2009 + A2:2013  
EN 60947-5-1:2004+A1:2009, IEC 60947-5-1:2003+A1:2009

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in test reports nos 3307262.50 issued on 2015-06-02, 3307262.51 issued on 2015-06-02, 3305866.50 issued on 2014-09-19, 3301166.52 issued on 2011-04-27 and 3301166.54 issued on 2011-05-13.

This Attestation implies that the examined types are in accordance with the standards designated under the Low voltage directive (LVD) 2006/95/EC.

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.

Wenzhou, Zhejiang, 11 June 2015

Number: 3307262.01A

DEKRA Testing Services (Zhejiang) Ltd.

Ms J Guo  
Certification Manager

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



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product	Air Circuit Breaker
trade name(s)	CHINT
type(s)	NA8-2500
number of poles	: 3 P and 4P (protected N pole)
protected pole	: 3 or 4
rated operational voltage (Ue)	: 400 Vac / 415 Vac / 690 Vac
rated insulation voltage (Ui)	: 1000 V for main circuit 415 V for control circuits and auxiliary circuits
rated impulse withstand voltage (Uimp)	: 12 kV for main circuit 6 kV for control circuits and auxiliary circuits
rated current (In)	: 630 A, 800 A, 1000 A, 1250 A, 1600 A, 2000 A, 2500 A
rated operational current (Ie)	: (0,4 - 1,0) x In
conventional thermal current (Ith)	: Equal to In
current rating for four-pole circuit-breakers	: Equal to In
rated frequency	: 50 / 60 Hz
rated ultimate short-circuit breaking capacity (Icu)	: 85 kA at 400 Vac / 415 Vac, 65 kA at 690 Vac
rated service short-circuit breaking capacity (Ics)	: 85 kA at 400 Vac / 415 Vac, 65 kA at 690 Vac
rated short-time withstand current (Icw)	: 85 kA / 1 s at 400 Vac / 415 Vac, 65 kA / 1 s at 690 Vac
suitable for isolation	: Suitable
utilization category	: B
safety distance (screen-circuit breaker)	: All sides: 0 mm
inverse time delay release	: Ir (inverse time delay tripping setting): (0,4 - 1,0) x In, in step of 1 A
time setting of the inverse time delay release	: tr (inverse time delay tripping setting): 1 s, 2 s, 4 s, 8 s, 12 s, 16 s, 20 s, 24 s, 30 s with tolerance of $\pm 15\%$ (at 6 Ir) Trip time at 2 Ir: Set at 1 s: 9,0 s, with tolerance of $\pm 15\%$ Set at 30 s: 270 s, with tolerance of $\pm 15\%$
short time delay release	: Isd (short time delay tripping setting): (1,5 - 10) x Ir, in step of 1 A, if Isd < 10 kA, in step of 0,01 kA, if Isd $\geq 10$ kA
time setting	: tsd (short time delay tripping setting): 0,1 s, 0,2 s, with tolerance of $\pm 0,040$ s 0,3 s, 0,4 s, with tolerance of $\pm 15\%$ Non-tripping duration: Set at 0,1 s: 0,05 s, Set at 0,4 s: 0,33 s
instantaneous release	: li (instantaneous tripping setting): (2 - 15) x In, in step of 1 A, if li < 10 kA, in step of 0,01 kA, if li $\geq 10$ kA
MCR release	: 25 kA
time setting	: instantaneous

ground fault release	: Ig: (0,2 - 1,0) x In (min: 120 A, max:1200 A), in step of 1 A, if In < 2500 A; 500 A - 1200 A, in step of 1 A, if In ≥ 2500 A;
time setting	: tg: 0,1 s, 0,2 s, with tolerance of ± 0,040 s, 0,3 s, 0,4 s, with tolerance of ± 15%
method of mounting	: Fixed or Withdrawable
EMC environment	: A
circuit-breaker for use on phase- earthed systems	: N/A
circuit-breaker for use in IT systems	: N/A
reference temperature	: Independent
shunt release	: AC: 220 - 230 V, 380 - 415 V, 50 / 60 Hz DC: 110 V, 220 V
under-voltage release	: AC: 220 - 230 V, 380 - 415 V, 50 / 60 Hz
closing coil	: AC: 220 - 230 V, 380 - 415 V, 50 / 60 Hz DC: 110 V, 220 V
stored energy motor	: AC: 220 - 230 V, 380 - 415 V, 50 / 60 Hz DC: 110 V, 220 V
auxiliary circuits	: Utilization category: AC-15: 1,3 A at 230 Vac, 0,75 at 415 Vac, 50 / 60 Hz DC-13: 0,55 A at 110 Vdc, 0,27 A at 220 Vdc number and kind of contact elements: 4 NO and 4 NC or 6 NO and 6 NC rated conditional short-circuit current: 1 kA conventional free air thermal current (Ith): 6 A kind of protective device: fuse, NT00-6, 6 A, 500 V / 690 V
External supply for trip unit	: AC: 220 - 230 V, 380 - 415 V, 50 / 60 Hz DC: 110 V, 220 V
line/load terminal	: Immaterial
connection	: Prepared copper conductor with cable lug for 630 A to 800 A Copper busbar for 1000 A to 2500 A

**Additional information:**

Nomenclature breakdown:

NA8-2500/x

a    b    c

a = Model name

b = Frame size

c = pole numbers, blank for 3P, 4 for 4P