

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: NA8-4000

Ratings: Ue: 400 / 690 Vac
In: 1000 A, 1250 A, 1600 A, 2000 A, 2500 A, 2900 A, 3200 A, 3600 A, 4000 A
Ui: 1000 V, Uimp: 12 kV
3P and 4P (protected N pole)
Icu: 100 kA at 400 Vac, 85 kA at 690 Vac
Ics: 100 kA at 400 Vac, 85 kA at 690 Vac
Icw: 100 kA / 1 s at 400 Vac, 85 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

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in reports no 3305866.50 and 3301166.54.

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.

Arnhem, 8 October 2014

Number: 3305866.01A

DEKRA Certification B.V.

F.S. Strikwerda
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.



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 ≥ 10 kA
MCR release	:	32 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 - 400 V, 50 / 60 Hz DC: 110 V, 220 V
under-voltage release	:	AC: 220 - 230 V, 380 - 400 V, 50 / 60 Hz
closing coil	:	AC: 220 - 230 V, 380 - 400 V, 50 / 60 Hz DC: 110 V, 220 V
stored energy motor	:	AC: 220 - 230 V, 380 - 400 V, 50 / 60 Hz DC: 110 V, 220 V
auxiliary circuits	:	Utilization category: AC-15: 1,3 A at 230 Vac, 0,75 at 400 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 kind of protective device: fuse, RL6-25/6, gG, 6 A, 500 V
External supply for trip unit	:	AC: 220 - 230 V, 380 - 400 V, 50 / 60 Hz DC: 110 V, 220 V
line/load terminal connection	:	Immaterial Copper busbar: (60 x 5) mm ² x 2 - (100 x 10) mm ² x 3, if In = 1000 - 2900 A (100 x 10) mm ² x 4, if In = 3200 A (100 x 10) mm ² x 5, if In = 3600 A, 4000 A

number of poles	:	3 P and 4P (protected N pole)
protected pole	:	3 or 4
rated operational voltage (Ue)	:	400 / 690 Vac
rated insulation voltage (Ui)	:	1000 V for main circuit 400 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)	:	1000 A, 1250 A, 1600 A, 2000 A, 2500 A, 2900 A, 3200 A, 3600 A, 4000 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)	:	100 kA at 400 Vac, 85 kA at 690 Vac
rated service short-circuit breaking capacity (Ics)	:	100 kA at 400 Vac, 85 kA at 690 Vac
rated short-time withstand current (Icw)	:	100 kA / 1 s at 400 Vac, 85 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	:	I _r (inverse time delay tripping setting): (0,4 - 1,0) x I _n , in step of 1 A
time setting of the inverse time delay release	:	t _r (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 ± 15% (at 6 I _r) Trip time at 2 I _r : Set at 1 s: 9,0 s, with tolerance of ± 15% Set at 30 s: 270 s, with tolerance of ± 15%
short time delay release	:	I _{sd} (short time delay tripping setting): (1,5 - 10) x I _r , in step of 1 A, if I _{sd} < 10 kA, in step of 0,01 kA, if I _{sd} ≥ 10 kA
time setting	:	t _{sd} (short time delay tripping setting): 0,1 s, 0,2 s, with tolerance of ± 0,040 s 0,3 s, 0,4 s, with tolerance of ± 15% Non-tripping duration: Set at 0,1 s: 0,05 s, Set at 0,4 s: 0,33 s