ATTESTATION OF CONFORMITY

Issued to:	Zhejiang Chint Electrics Co., Ltd. No. 1, Chint Road, Chint Industrial Zone, North Baixiang, Yueqing, Zhejiang, China
For the product:	Air Circuit Breaker
Trade name:	CHINT
Type/Model:	NA1-3200, NA1-3200N, NA1-3200X, NA1-3200XN
Ratings:	Ue: 400 Vac / 415 Vac / 690 Vac, In: 2000 A, 2500 A, 3200 A Ui: 1000 V, Uimp: 12 kV, 3P and 4P (N pole does not have overcurrent protection, but has ground fault protection) 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, China
Subject:	Type test
Requirements:	EN 60947-2:2006, EN 60947-2:2006/A1:2009, EN 60947-2:2006/A2:2013, EN 60947-5-1:2004, EN 60947-5-1:2004/A1:2009, IEC 60947-2:2016, IEC 60947-5-1:2003, A1:2009
Remark:	This Attestation replaces AoC no. 3308634.01A issued on 2015-11-30.

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in test reports no. 3311814.50 issued on 2017-11-29, 3308634.50 issued on 2015-11-30, 3303046.51 issued on 2012-09-06, W0707121.51 issued on 2007-12-03, S0501025.51 issued on 2005-12-20 and ITS CB test report no. 201044-2 issued on 2002-11-21.

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.

Wenzhou, Zhejiang, 05 December 2017 Number: 3311814.01A

DEKRA Testing Services (Zhejiang) Co., Ltd.

Ms J Guo
Certification Manager

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

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Ratings:

number of poles	:	3 P and 4P (N pole does not have overcurrent protection, but has ground fault protection)
protected pole	:	3 or 4
rated operational voltage (Ue)	:	400 Vac / 415 Vac / 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)	:	2000 A, 2500 A, 3200 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
suitable for isolation	:	Suitable
utilization category	:	B
safety distance (screen-circuit breaker)	:	All sides: 0 mm
method of mounting	:	Fixed or Withdrawable
EMC environment	:	A
reference temperature	:	Independent
shunt release	:	AC: 127 V, 220 -230 V, 380 - 400 V, 50 / 60 Hz DC: 110 V, 220 V
under-voltage release	:	AC: 127 V, 220 -230 V, 380 - 400 V, 50 / 60 Hz DC: 110 V, 220 V
closing coil	:	AC: 127 V, 220 -230 V, 380 - 400 V, 50 / 60 Hz DC: 110 V, 220 V
stored energy motor	:	AC: 127 V, 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 conventional free air thermal current (Ith): 6 A kind of protective device: fuse, RL6-25/6, gG, 6 A, 500 V, 7,5 kA
line/load terminal	:	Immaterial
connection	:	Copper busbar (100 x 5) mm^2 x 3 for 2000 A, (100 x 5) mm^2 x 4 for 2500 A (100 x 10) mm^2 x 4 for 3200 A
rated tightening torque for terminals	:	50 Nm

Ratings - type NA1-3200

type of elecronic release	:	NST1-C
rated ultimate short-circuit breaking capacity (Icu)	:	80 kA at 400 Vac, 65 kA at 415 / 690 Vac
rated service short-circuit breaking capacity (Ics)	:	65 kA at 400 / 415 / 690 Vac
rated short-time withstand current (Icw)	:	65 kA / 1 s at 400 Vac, 50 kA / 1 s at 415 / 690 Vac, 45 kA / 3 s at 400 / 415 Vac
inverse time delay release	:	Ir (inverse time delay tripping setting): (0,4 - 1,0) x In, in step of 2 A
time setting of the inverse time delay release	:	tr (inverse time delay tripping setting): 15 s, 30 s, 60 s, 120 s, 240 s, 480 s with tolerance of ± 10% (at 1,5 Ir) Trip time at 2 Ir: Set at 15 s: 8,4 s, with tolerance of ± 10%, Set at 480 s: 270 s , with tolerance of ± 10%
short time delay release	:	Isd (short time delay tripping setting): (1,3125 - 15) x Ir, in step of 2 A, if Ii < 10 kA, in step of 0,02 kA, if Ii ≥10 kA (with maximum current setting 40 kA)
time setting	:	tsd (short time delay tripping setting): 0,1 s, 0,2 s, with tolerance of ± 32 ms, 0,3 s, 0,4 s, with tolerance of ± 25% Non-tripping duration: Set at 0,1 s: 0,06 s, Set at 0,4 s: 0,25 s
instantaneous release	:	Ii (instantaneous tripping setting): 1,3125 In - 65 kA, in step of 2 A, if Ii < 10 kA, in step of 0,02 kA, if Ii ≥10 kA
ground fault release	:	Ig: (0,2 - 0,8) x In, in step of 2 A Characteristic specified by manufacturer: When the fault current is 0,9 Ig, ACB shall not trip within 2 tg, When the fault current is 1,1 Ig, ACB shall trip within the limits of tg
time setting of ground fault release	:	tg: 0,1 s, 0,2 s, with tolerance of ± 32 ms 0,3 s, 0,4 s, with tolerance of ± 25%
Making current release	:	26 kA

Ratings - type NA1-3200N

type of elecronic release	:	NST1-C
rated ultimate short-circuit breaking capacity (Icu)	:	65 kA at 400 Vac, 50 kA at 415 / 690 Vac
rated service short-circuit breaking capacity (Ics)	:	65 kA at 400 Vac, 50 kA at 415 / 690 Vac
rated short-time withstand current (Icw)	:	65 kA / 1 s at 400 Vac, 50 kA / 1 s at 415 / 690 Vac, 45 kA / 3 s at 400 / 415 Vac
inverse time delay release	:	Ir (inverse time delay tripping setting): (0,4 - 1,0) x In, in step of 2 A
time setting of the inverse time delay release	:	tr (inverse time delay tripping setting): 15 s, 30 s, 60 s, 120 s, 240 s, 480 s with tolerance of ± 10% (at 1,5 Ir) Trip time at 2 Ir: Set at 15 s: 8,4 s, with tolerance of ± 10%, Set at 480 s: 270 s , with tolerance of ± 10%
short time delay release	:	Isd (short time delay tripping setting): (1,3125 - 15) x Ir, in step of 2 A, if Ii < 10 kA, in step of 0,02 kA, if Ii ≥10 kA (with maximum current setting 40 kA)
time setting	:	tsd (short time delay tripping setting): 0,1 s, 0,2 s, with tolerance of ± 32 ms, 0,3 s, 0,4 s, with tolerance of ± 25% Non-tripping duration: Set at 0,1 s: 0,06 s, Set at 0,4 s: 0,25 s
instantaneous release	:	Ii (instantaneous tripping setting): 1,3125 In - 65 kA, in step of 2 A, if Ii < 10 kA, in step of 0,02 kA, if Ii ≥10 kA
ground fault release	:	Ig: (0,2 - 0,8) x In, in step of 2 A Characteristic specified by manufacturer: When the fault current is 0,9 Ig, ACB shall not trip within 2 tg, When the fault current is 1,1 Ig, ACB shall trip within the limits of tg
time setting of ground fault release	:	tg: 0,1 s, 0,2 s, with tolerance of ± 32 ms 0,3 s, 0,4 s, with tolerance of ± 25%
making current release	:	26 kA

Ratings - type NA1-3200X

type of elecronic release	:	NST1-D
rated ultimate short-circuit breaking capacity (Icu)	:	80 kA at 400 Vac, 65 kA at 415 / 690 Vac
rated service short-circuit breaking capacity (Ics)	:	65 kA at 400 / 415 / 690 Vac
rated short-time withstand current (Icw)	:	65 kA / 1 s at 400 Vac, 50 kA / 1 s at 415 / 690 Vac, 45 kA / 3 s at 400 / 415 Vac
inverse time delay release	:	Ir (inverse time delay tripping setting): (0,4 - 1,0) x In, in step of 2 A
time setting of the inverse time delay release	:	tr (inverse time delay tripping setting): 15 s, 30 s, 60 s, 120 s, 240 s, 480 s with tolerance of ± 10% (at 1,5 Ir) Trip time at 2 Ir: Set at 15 s: 8,4 s, with tolerance of ± 10%, Set at 480 s: 270 s , with tolerance of ± 10%
short time delay release	:	Isd (short time delay tripping setting): (1,5 - 15) x Ir, in step of 2 A, if Ii < 10 kA, in step of 0,02 kA, if Ii ≥10 kA (with maximum current setting 40 kA)
time setting	:	tsd (short time delay tripping setting): 0,1 s, 0,2 s, with tolerance of ± 40 ms, 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
instantaneous release	:	Ii (instantaneous tripping setting): 1,5 In - 65 kA, in step of 2 A, if Ii < 10 kA, in step of 0,02 kA, if Ii ≥10 kA
ground fault release	:	Ig: 500 - 1200 A, in step of 2 A
time setting of ground fault release	:	tg: 0,1 s, 0,2 s, with tolerance of ± 40 ms 0,3 s, 0,4 s, with tolerance of ± 15%
making current release	:	26 kA

Ratings - type NA1-3200XN

type of elecronic release	:	NST1-D
rated ultimate short-circuit breaking capacity (Icu)	:	65 kA at 400 Vac, 50 kA at 415 / 690 Vac
rated service short-circuit breaking capacity (Ics)	:	65 kA at 400 Vac, 50 kA at 415 / 690 Vac
rated short-time withstand current (Icw)	:	65 kA / 1 s at 400 Vac, 50 kA / 1 s at 415 / 690 Vac, 45 kA / 3 s at 400 / 415 Vac
inverse time delay release	:	Ir (inverse time delay tripping setting): (0,4 - 1,0) x In, in step of 2 A
time setting of the inverse time delay release	:	tr (inverse time delay tripping setting): 15 s, 30 s, 60 s, 120 s, 240 s, 480 s with tolerance of ± 10% (at 1,5 Ir) Trip time at 2 Ir: Set at 15 s: 8,4 s, with tolerance of ± 10%, Set at 480 s: 270 s , with tolerance of ± 10%
short time delay release	:	Isd (short time delay tripping setting): (1,5 - 15) x Ir, in step of 2 A, if Ii < 10 kA, in step of 0,02 kA, if Ii ≥10 kA (with maximum current setting 40 kA)
time setting	:	tsd (short time delay tripping setting): 0,1 s, 0,2 s, with tolerance of ± 40 ms, 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
instantaneous release	:	Ii (instantaneous tripping setting): 1,5 In - 65 kA, in step of 2 A, if Ii < 10 kA, in step of 0,02 kA, if Ii ≥10 kA
ground fault release	:	Ig: 500 - 1200 A, in step of 2 A
time setting of ground fault release	:	tg: 0,1 s, 0,2 s, with tolerance of ± 40 ms 0,3 s, 0,4 s, with tolerance of ± 15%
making current release	:	26 kA

Additional information

Nomenclature breakdown:

NA1-3200XN/4
a b c d e

a = Model name: NA1
b = Frame size: 3200
c = Electronic release: X means NST1-D , blank means NST1-C
d = short-circuit capacity, 'N' or 'blank'
e = pole numbers: '3' means 3P ACBs, '4' means 4P ACBs