

CERTIFICATE

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

Manufacturer/Licensee:
Noark Electrics (Shanghai) Co., Ltd.
3857 Sixian Road, Songjiang District, Shanghai,
P.R. China

Product(s) : Air Circuit Breaker
Trade name(s) : CHINT
Type(s)/model(s) : NA8-7500

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard 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
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2130446

DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the KEMA-KEUR certification agreement and under the conditions of the KEMA-KEUR certification agreement.

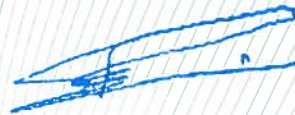
This certificate is issued on: 24 September 2015 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 3308087.01

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



F.S. Strikwerda
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

product	:	Air Circuit Breaker
trade name(s)	:	CHINT
type(s)	:	NA8-7500
number of poles	:	3 P and 4P (protected N pole)
protected pole	:	3 or 4
rated operational voltage (Ue)	:	380 Vac / 400 Vac / 415 Vac / 660 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)	:	4000 A, 5000 A, 6300 A, 7500 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 for 4000 - 6300 A, Equal to 50% In for 7500 A,
rated frequency	:	50 / 60 Hz
rated ultimate short-circuit breaking capacity (Icu)	:	135 kA at 380 / 400 / 415 Vac, 100 kA at 660 / 690 Vac
rated service short-circuit breaking capacity (Ics)	:	135 kA at 380 / 400 / 415 Vac, 100 kA at 660 / 690 Vac
rated short-time withstand current (Icw)	:	135 kA / 1s at 380 / 400 / 415 Vac, 100 kA / 1s at 660 / 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, 0,5, 0,6, 0,7, 0,8, 0,9, 0,95, 0,98, 1,0) x In
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, 30s with tolerance of ± 15% (at 6 Ir) Trip time at 2 Ir: 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, 2, 2,5, 3, 4, 5, 6, 8, 10) x Ir
time setting	:	t _{sd} (short time delay tripping setting): 0,1 s, 0,2 s, 0,3 s, 0,4 s, with tolerance of ± 10% Non-tripping duration: Set at 0,1 s: 0,07 s, Set at 0,4 s: 0,35 s
instantaneous release	:	I _i (instantaneous tripping setting): (2, 3, 4, 6, 8, 10, 12, 15) x In
MCR release	:	49 kA
time setting	:	instantaneous
ground fault release	:	(0,2, 0,3, 0,4, 0,5, 0,6, 0,7, 0,8, 0,9, 1,0) x In t _g : 0,1 s, 0,2 s, 0,3 s, 0,4 s, 0,5 s, 0,6 s, 0,8 s, 1,0 s with tolerance of ± 10%

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	:	Yes, 50 kA at 415 Vac
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 (I _{th}): 6 A kind of protective device: fuse, RL6-25/6, gG, 6 A, 500 V
External supply for trip unit	:	AC: 220 - 230 V, 380 - 415 V, 50 / 60 Hz DC: 110 V, 220 V
line/load terminal connection	:	Immaterial Copper busbar (100 x 10) mm ² x 8 for I _n of 4000 A - 6300 A (100 x 10) mm ² x 10 for I _n of 7500 A
rated tightening torque for terminals	:	45 Nm

TESTS**Test requirements**

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

Test result

The test results are laid down in DEKRA test file 3308087.01.

Remarks

This certificate is based on certificate no. 3307784.01 issued on 2015-07-31.

Conclusion

The examination proved that all test requirements were met.

Tested by : King Wang



Checked by : Eric Wang

**Factory locations**

Noark Electrics (Shanghai) Co., Ltd.
3857 Sixian Road, Songjiang District, Shanghai, P.R. China