

CERTIFICATE

Issued to:
Applicant:
Zhejiang Chint Electrics Co., Ltd.
No. 1, Chint Road, Chint Industrial Zone, North
Baixiang, Yueqing,
325603 Zhejiang, China

Licensee:
NOARK Electrics (Shanghai) Co., Ltd.
No. 3857, Sixian Road, Songjiang District
201614 Shanghai, China

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

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 60947-2:2017, EN 60947-5-1:2004 and EN 60947-5-1:2004/A1:2009
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2130446

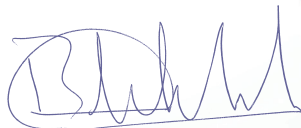
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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 27 August 2019 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-109932

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



JMg Marggraf
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	: Air Circuit Breaker
Trade name(s)	: CHINT
Type(s)/model(s)	: NA8-7500 and NA8-7500H
Number of poles	: 3P and 4P (protected N pole)
Protected pole	: 3 or 4
Rated operational voltage (Ue)	: 220 Vac / 380 Vac / 400 Vac / 415 Vac / 440 Vac, 525 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 frequency	: 50 / 60 Hz
Rated current (In)	: 4000 A, 5000 A, 6300 A, 7500 A
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
Individual pole short-circuit (IIT)	: Yes, 50 kA at 440 Vac, Not applicable at 525 Vac / 660 Vac / 690 Vac
Suitable for isolation	: Suitable
Selectivity category	: B
Safety distance (screen-circuit breaker)	: All sides: 0 mm
Reference temperature	: Independent
Method of mounting	: Fixed or Withdrawable
EMC environment	: A
Tighten torque for terminals	: 45 Nm
Line/load terminal	: Immaterial
Connection	: Copper busbar (100 x 10) mm ² x 8 for In of 4000 A - 6300 A (100 x 10) mm ² x 10 for In of 7500 A
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	: Isd (short time delay tripping setting): (1,5, 2, 2,5, 3, 4, 5, 6, 8, 10) x Ir
Time setting of the short time delay release	: tsd (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	: li (instantaneous tripping setting): (2, 3, 4, 6, 8, 10, 12, 15) x In
Making current release (MCR)	: 49 kA
Ground fault release	: (0,2, 0,3, 0,4, 0,5, 0,6, 0,7, 0,8, 0,9, 1,0) x In tg: 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%
Shunt release	: AC: 48 V, 100 - 130 V, 200 - 250 V, 380 - 440 V, 50 / 60 Hz DC: 48 V, 100 - 130 V, 200 - 250 V
Under-voltage release	: AC: 48 V, 100 - 130 V, 200 - 250 V, 380 - 440 V, 50 / 60 Hz DC: 48 V, 100 - 130 V, 200 - 250 V

Closing coil	: AC: 48 V, 100 - 130 V, 200 - 250 V, 380 - 440 V, 50 / 60 Hz DC: 48 V, 100 - 130 V, 200 - 250 V
Stored energy motor	: AC: 48 V, 100 - 130 V, 200 - 250 V, 380 - 440 V, 50 / 60 Hz DC: 48 V, 100 - 130 V, 200 - 250 V
External supply for trip unit	: 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, RL6-25/6, gG, 6 A, 500 V

Product data – type NA8-7500

Rated ultimate short-circuit breaking capacity (Icu)	: 135 kA at 220 Vac / 380 Vac / 400 Vac / 415 Vac / 440 Vac, 100 kA at 525 Vac / 660 Vac / 690 Vac
Rated service short-circuit breaking capacity (Ics)	: 135 kA at 220 Vac / 380 Vac / 400 Vac / 415 Vac / 440 Vac, 100 kA at 525 Vac / 660 Vac / 690 Vac
Rated short-time withstand current (Icw)	: 135 kA / 1 s at 220 Vac / 380 Vac / 400 Vac / 415 Vac / 440 Vac, 100 kA / 1 s at 525 Vac / 660 Vac / 690 Vac 100 kA / 3 s at 220 Vac / 380 Vac / 400 Vac / 415 Vac / 440 Vac / 525 Vac / 660 Vac / 690 Vac

Product data – type NA8-7500H

Rated ultimate short-circuit breaking capacity (Icu)	: 150 kA at 220 Vac / 380 Vac / 400 Vac / 415 Vac / 440 Vac, 100 kA at 525 Vac / 660 Vac / 690 Vac
Rated service short-circuit breaking capacity (Ics)	: 150 kA at 220 Vac / 380 Vac / 400 Vac / 415 Vac / 440 Vac for 7500 A, 135 kA at 220 Vac / 380 Vac / 400 Vac / 415 Vac / 440 Vac for 4000 - 6300 A, 100 kA at 525 Vac / 660 Vac / 690 Vac
Rated short-time withstand current (Icw)	: 135 kA / 1 s at 220 Vac / 380 Vac / 400 Vac / 415 Vac / 440 Vac, 100 kA / 1 s at 525 Vac / 660 Vac / 690 Vac

TESTS**Test requirements**

EN 60947-2:2017
EN 60947-5-1:2004
EN 60947-5-1:2004/A1:2009

Test result

The test results are laid down in DEKRA test file 331647500.

Additional information

The product also complies with IEC 60947-2:2016 and IEC 60947-5-1: 2003 + A1:2009.

This certificate is based on certificate no. 33-105823 issued on 2018-10-31.

Conclusion

The examination proved that all requirements were met.

Factory location

NOARK Electrics (Shanghai) Co.,Ltd.
No. 3857, Sixian Road, Songjiang District
201614 Shanghai, China