CERTIFICATE

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

Licensee:
Zhejiang Chint Electrics Co., Ltd.
No. 1, Chint Road,
Chint Industrial Zone,
North Baixiang, Yueqing,
Zhejiang, China

Product	:	Air Circuit Breaker
Trade name(s)	:	CHINT
Type(s)/model(s)	:	NXA63H

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/A1:2009 and EN 60947-5-1:2004
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2032236

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 16 January 2018 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-102439

DEKRA Certification B.V.

drs. G.J. Zoetbrood
Managing Director

Henk Schendstok
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL

PRODUCTS
RvA C 001

KEMA KEUR

SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	:	Air Circuit Breaker
Trade name(s)	:	CHINT
Type(s)/model(s)	:	NXA63H
Number of poles	:	3P for In: 6300 A, 5000 A, 4000 A 4P (N pole with protection) for In: 5000 A, 4000 A
Protected pole	:	3 or 4
Rated operational voltage (Ue)	:	380 / 400 / 415 Vac, 440 / 525 / 690 Vac
Rated insulation voltage (Ui)	:	1000 V for main circuit 415 V for control circuit and auxiliary circuit
Rated impulse withstand voltage (Uimp)	:	12 kV for main circuit 6 kV for control circuit and auxiliary circuit
Rated current (In)	:	6300 A, 5000 A, 4000 A
Rated operational current (Ie)	:	(0,4 - 1) x In
Conventional thermal current (Ith)	:	Equal to In
Current rating for four-pole circuit-breakers	:	50% In
Rated frequency	:	50 / 60 Hz
Rated ultimate short-circuit breaking capacity (Icu)	:	120 kA at 380 / 400 / 415 Vac 85 kA at 440 / 525 / 690 Vac
Rated service short-circuit breaking capacity (Ics)	:	100% Icu
Rated short-time withstand current (Icw)	:	100 kA / 1s at 380 / 400 / 415 Vac 75 kA / 1s at 440 / 525 / 690 Vac
Suitable for isolation	:	Suitable
Utilization category	:	B
Safety distance (screen-circuit breaker)	:	Left / Right: 0 mm Up / Down: 0 mm Front / Back: 0 mm
Electronic trip unit type(s)	:	type M, type A, type P and type H
Instantaneous release	:	Ii (instantaneous tripping setting): Max 63 kA (2 - 15) x In, in steps of 1 A for trip units of type P and type H (2 / 4 / 6 / 8 / 10 / 12 / 15) x In for trip units of type M and type A
Short time delay release	:	Isd (short time delay tripping setting): Max 50 kA (2 - 10) x Ir, in steps of 1 A for trip units of type P and type H (2 / 3 / 4 / 5 / 6 / 8 / 10) x Ir for trip units of type M and type A
Time setting of the short time delay release	:	tsd (short time delay tripping setting): I^2t off: 0,1 s - 0,4 s (0,1 / 0,2 / 0,3 / 0,4 s) 0,1 s, with tolerance of 60 ms - 140 ms 0,2 s, with tolerance of 160 ms - 240 ms 0,3 s, with tolerance of 255 ms - 345 ms 0,4 s, with tolerance of 340 ms - 460 ms
Inverse time delay release	:	Ir (inverse time delay tripping setting): (0,4 - 1) x In, in steps of 1 A for trip units of type P and type H (0,4 / 0,5 / 0,6 / 0,7 / 0,8 / 0,9 / 1) x In for trip units of type M and type A
Time setting of the inverse time delay release	:	tr (inverse time delay tripping setting): 1 s - 24 s (1 / 2 / 4 / 8 / 12 / 16 / 20 / 24 s), with tolerance of ± 15% (at 6 Ir) 2Ir tripping time declared by the manufacturer: when tr = 1 s: 7,65 s - 10,35 s when tr = 24 s: 183,6 s - 248,4 s
Ground fault release	:	Ig (ground fault release tripping setting): 500 A - 1200 A, in steps of 1 A for trip units of type P and type H (500 / 640 / 800 / 960 / 1040 / 1120 / 1200 A) for trip units of type M and type A

Time setting of the ground fault release	:	tg (ground fault release tripping setting): I²t off: 0,1 s - 0,4 s (0,1 / 0,2 / 0,3 / 0,4 s) 0,1 s, with tolerance of 60 ms - 140 ms 0,2 s, with tolerance of 160 ms - 240 ms 0,3 s, with tolerance of 255 ms - 345 ms 0,4 s, with tolerance of 340 ms - 460 ms
MCR release	:	26 kA
Time setting of the MCR release	:	Instantaneous
Method of mounting	:	Fixed or Withdrawable
Degree of protection	:	IP20 (only from front side)
EMC environment	:	A
Rated tightening torque for terminals (Nm)	:	50 Nm
Reference temperature	:	Independent
Shunt release	:	220 / 230 / 240 Vac, 380 / 400 / 415 Vac; 50 / 60 Hz 110 Vdc, 220 Vdc
Under-voltage release	:	220 / 230 / 240 Vac, 380 / 400 / 415 Vac; 50 / 60 Hz
Closing coil	:	220 / 230 / 240 Vac, 380 / 400 / 415 Vac; 50 / 60 Hz 110 Vdc, 220 Vdc
Stored energy motor	:	220 / 230 / 240 Vac, 380 / 400 / 415 Vac; 50 / 60 Hz 110 Vdc, 220 Vdc
Auxiliary contact	:	6NO6NC, 4NO4NC AC-15: 1,3 A at 240 Vac, 0,75 A at 415 Vac DC-13: 0,55 A at 110 Vdc, 0,27 A at 220 Vdc Ui: 415 V, Uimp: 6 kV, Ith: 6 A rated conditional short-circuit current: 1 kA kind of protective device: NT00-6, 6 A
Line/load terminal	:	Immaterial
Connection	:	Copper busbar for 6300 A, 5000 A: (100 x 10) mm² x 8 Copper busbar for 4000 A: (100 x 10) mm² x 6

TESTS

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

Test result
The test results are laid down in DEKRA test file 331236300.

Additional information
The referred test reports are 3312363.50 and 3312363.51.

The product also complies with IEC 60947-2:2016 and IEC 60947-5-1:2016.

Conclusion
The examination proved that all requirements were met.

Factory location
Zhejiang Chint Electrics Co., Ltd.
No. 1318, Binhai No. 2 Avenue,
Economic and Technical Development Zone,
Wenzhou, Zhejiang, China