

CERTIFICATE

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

Licensee:
Zhejiang Chint Electrics Co., Ltd.
No. 1, Chint Road, Chint Industrial Zone, North
Baixiang, Yueqing,
325603 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(s) EN 60947-2:2017, EN 60947-2:2017/A1:2020, IEC 60947-2:2016, IEC 60947-2:2016/A1:2019, IEC 60947-5-1:2016 and EN 60947-5-1:2017
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA 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 and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on 20 December 2022 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-126447

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



M. Triulzi
Certification Manager

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COUNCIL



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 for In: 5000 A, 4000 A
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
Conventional thermal current (Ith)	: Equal to In
Current rating for four-pole circuit-breakers	: 50% In
Rated frequency	: 50 / 60 Hz
Rated service short-circuit breaking Capacity (Ics)	: 100% Icu
Rated ultimate short-circuit Breaking capacity (Icu)	: 120 kA at 380 / 400 / 415 Vac 85 kA at 440 / 525 / 690 Vac
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
Reference temperature	: Independent
Method of mounting	: Fixed or Withdrawable
EMC environment	: A
Degree of protection	: IP20 (only from front side)
Rated tightening torque for Terminals (Nm)	: 50 Nm
Line/load terminal Connection	: Immaterial Copper busbar for 6300 A, 5000 A: (100 x 10) mm ² x 8 Copper busbar for 4000 A: (100 x 10) mm ² x 6
Electronic trip unit type(s)	: type M, type A, type P and type H
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
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 _t 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

Instantaneous release	: I _i (instantaneous tripping setting): Max 63 kA (2 - 15) x I _n , in steps of 1 A for trip units of type P and type H (2 / 4 / 6 / 8 / 10 / 12 / 15) x I _n for trip units of type M and type A
MCR release	: 26 kA
Ground fault release	: I _g (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	: t _g (ground fault release tripping setting): I _{Δt} 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
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
Power modules for trip unit	: 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 U _i : 415 V, U _{imp} : 6 kV, I _{th} : 6 A rated conditional short-circuit current: 1 kA kind of protective device: NT00-6, 6 A

TESTS

Test requirements

EN 60947-2:2017
EN 60947-2:2017/A1:2020
IEC 60947-2:2016
IEC 60947-2:2016/A1:2019
IEC 60947-5-1:2016
EN 60947-5-1:2017

Test result

The test results are laid down in DEKRA test file 332629700.

Additional information

The referred test reports are 3326297.50 and 3312363.51.

This certificate replaces certificate No. 33-102439 which we hereby declare invalid.

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,
325025 Wenzhou Zhejiang, China