

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 : Circuit-breakers incorporating residual current protection
Trade name(s) : CHINT
Type(s)/model(s) : NXMLE-160S

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
- 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 23 April 2018 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-103344

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



Henk Barends
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Circuit-breakers incorporating residual current protection
Trade name(s)	: CHINT
Type(s)/model(s)	: NXMLE-160S
Number of poles	: 2P (unprotected N pole or protected N pole), 3P and 4P (solid N pole and unprotected N pole)
Protected pole	: 2 or 3
Rated operational voltage (Ue)	: 220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac
Rated insulation voltage (Ui)	: 800 Vac
Rated impulse withstand voltage (Uimp)	: 8 kV
Rated current (In)	: 25 A, 30 A, 32 A, 40 A, 50 A, 60 A, 63 A, 65 A, 70 A, 75 A, 80 A, 90 A, 100 A, 110 A, 125 A, 140 A, 150 A, 160 A
Conventional thermal current (Ith)	: Equal to In
Current rating for four-pole circuit-breakers	: Equal to In
Rated residual operating current (I Δ n)	: Fixed: 30 mA, 50 mA, 100 mA, 200 mA, 300 mA, 400 mA, 500 mA, 600 mA, 800 mA or 1000 mA Adjustable with fixed steps: 30/50/100 mA, 50/100/200 mA, 100/200/300 mA, 100/300/500 mA, 200/300/500 mA or 300/500/1000 mA
Time setting of rated residual	: Non-time-delay or non-adjustable time-delay: 0,1 s, 0,2 s, 0,3 s, 0,4 s, 0,5 s, 0,6 s, 0,7 s or 0,8 s
The limiting non-actuating time at 2I Δ n (Δ t)	: 0,1 s, 0,2 s, 0,3 s, 0,4 s, 0,5 s, 0,6 s, 0,7 s or 0,8 s
Residual short-circuit making and breaking capacity (I Δ m)	: 12,5 kA at 220 Vac / 230 Vac / 240 Vac 8,75 kA at 380 Vac / 400 Vac / 415 Vac
Rated frequency	: 50 / 60 Hz
Reference temperature	: 40 °C
Rated service short-circuit breaking capacity (Ics)	: 30 kA at 220 Vac / 230 Vac / 240 Vac 18 kA at 380 Vac / 400 Vac / 415 Vac
Rated ultimate short-circuit breaking capacity (Icu)	: 50 kA at 220 Vac / 230 Vac / 240 Vac 35 kA at 380 Vac / 400 Vac / 415 Vac
Suitable for isolation	: Suitable
Selectivity category	: A
Safety distance (screen-circuit breaker)	: Front / Back: 0 mm, Left / Right: 50 mm, Up / Down: 50 mm
Instantaneous release	: Magnetic type, fixed, li: 10 In
Time setting of the instantaneous release	: Fixed
Inverse time delay release	: Thermal type, fixed
Time setting of the inverse time delay release	: Fixed, trip time at 2 In: 1 min \leq t \leq 12 min
Method of mounting	: Fixed
EMC environment	: A
Rated tightening torque for terminals	: 10 Nm
Line/load terminal	: Marked
Connection	: Copper conductor with cable lug

TESTS**Test requirements**

EN 60947-2:2017

Test result

The test results are laid down in DEKRA test file 331201100.

Additional information

Nomenclature breakdown:

NXML E-160 S / 4 300 B

a b c d e
a = Model name: 'NXML E'

b = Frame size: 160

c = Short-circuit capacity: 'S'

d = Pole numbers, '4' means 4P CBRs, '3' means 3P CBRs, '2' means 2P CBRs

e = For Neutral pole, 'A' means solid N pole, 'B' means unprotected N pole, 'C' means protected N pole

The referred test report is 3312011.50.

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

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