

# 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-400F, NXMLE-400H, NXMLE-630F and NXMLE-630H

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 3 June 2018 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-103904

DEKRA Certification B.V.



drs. G.J. Zoetbrood  
Managing Director



Kreny Lin  
Certification Manager

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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-400F, NXMLE-400H, NXMLE-630F and NXMLE-630H
Number of poles	: 3P and 4P (solid N pole and unprotected N pole)
Protected pole	: 3
Rated operational voltage (U <sub>e</sub> )	: 220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac
Rated insulation voltage (U <sub>i</sub> )	: 800 V
Rated impulse withstand voltage (U <sub>imp</sub> )	: 8 kV
Conventional thermal current (I <sub>th</sub> )	: Equal to I <sub>n</sub>
Current rating for four-pole circuit-breakers	: Equal to I <sub>n</sub>
Rated residual operating current (I <sub>Δn</sub> )	: 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 operating current	: 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 <sub>Δn</sub> (Δt)	: 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
Rated frequency	: 50 / 60 Hz
Reference temperature	: 40 °C
Rated service short-circuit breaking capacity (I <sub>cs</sub> )	: 75 kA at 220 Vac / 230 Vac / 240 Vac 36 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: 100 mm, Up / Down: 100 mm
Instantaneous release	: Magnetic type, fixed, I <sub>i</sub> : 10 I <sub>n</sub>
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 I <sub>n</sub> : 3 min ≤ t ≤ 16 min
Method of mounting	: Fixed
EMC environment	: A
Rated tightening torque for terminals	: 22 Nm
Line/load terminal	: Marked
Connection	: Copper conductor with cable lug

**Product data – type NXMLE-400F**

Rated current (I <sub>n</sub> )	: 250 A, 280 A, 300 A, 315 A, 320 A, 350 A, 380 A, 400 A
Rated ultimate short-circuit breaking capacity (I <sub>cu</sub> )	: 75 kA at 220 Vac / 230 Vac / 240 Vac 36 kA at 380 Vac / 400 Vac / 415 Vac
Residual short-circuit making and breaking capacity (I <sub>Δm</sub> )	: 18,75 kA at 220 Vac / 230 Vac / 240 Vac 9 kA at 380 Vac / 400 Vac / 415 Vac

**Product data – type NXMLE-400H**

Rated current (I <sub>n</sub> )	: 250 A, 280 A, 300 A, 315 A, 320 A, 350 A, 380 A, 400 A
Rated ultimate short-circuit breaking capacity (I <sub>cu</sub> )	: 100 kA at 220 Vac / 230 Vac / 240 Vac 70 kA at 380 Vac / 400 Vac / 415 Vac

Residual short-circuit making and breaking capacity (I $\Delta$ m) : 25 kA at 220 Vac / 230 Vac / 240 Vac  
17,5 kA at 380 Vac / 400 Vac / 415 Vac

**Product data – type NXMLE-630F**

Rated current (In) : 400 A, 450 A, 500 A, 550 A, 600 A, 630 A  
Rated ultimate short-circuit breaking capacity (Icu) : 75 kA at 220 Vac / 230 Vac / 240 Vac  
36 kA at 380 Vac / 400 Vac / 415 Vac  
Residual short-circuit making and breaking capacity (I $\Delta$ m) : 18,75 kA at 220 Vac / 230 Vac / 240 Vac  
9 kA at 380 Vac / 400 Vac / 415 Vac

**Product data – type NXMLE-630H**

Rated current (In) : 400 A, 450 A, 500 A, 550 A, 600 A, 630 A  
Rated ultimate short-circuit breaking capacity (Icu) : 100 kA at 220 Vac / 230 Vac / 240 Vac  
70 kA at 380 Vac / 400 Vac / 415 Vac  
Residual short-circuit making and breaking capacity (I $\Delta$ m) : 25 kA at 220 Vac / 230 Vac / 240 Vac  
17,5 kA at 380 Vac / 400 Vac / 415 Vac

**TESTS****Test requirements**

EN 60947-2:2017

**Test result**

The test results are laid down in DEKRA test file 331201600.

**Additional information**

Nomenclature breakdown:

NXMLE-630 H / 4 300 B

a b c d e

a = Model name: 'NXMLE'

b = Frame size: 630 or 400

c = Short-circuit capacity: 'H' or 'F'

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

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

The referred test report is 3312016.50.

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