

# 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 : Moulded-Case Circuit Breaker  
Trade name(s) : CHINT  
Type(s)/model(s) : NXM-160F, NXM-160H, NXMH-160F, NXMH-160H, NXMP-160F and NXMP-160H

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

Certificate number: 33-103020

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	: Moulded-Case Circuit Breaker
Trade name(s)	: CHINT
Type(s)/model(s)	: NXM-160F, NXM-160H, NXMH-160F, NXMH-160H, NXMP-160F and NXMP-160H
Number of poles	: 3P and 4P (unprotected N pole or protected N pole)
Protected pole	: 3 or 4
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, 70 A, 75 A, 80 A, 100 A, 125 A, 140 A, 150 A, 160 A
Rated operational current (Ie)	: In or (0,7, 0,8, 0,9 , 1,0) x In
Conventional thermal current (Ith)	: Equal to In
Current rating for four-pole circuit-breakers	: Equal to In
Rated frequency	: 50 / 60 Hz
Reference temperature	: 40 °C or 55 °C
Rated service short-circuit breaking capacity (Ics)	: 50 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: 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 or adjustable Ir: (0,7, 0,8, 0,9, 1,0) x In
Time setting of the inverse time delay release	: Fixed, trip time at 2 In: 1 min ≤ t ≤ 12 min
Method of mounting	: Fixed
EMC environment	: A and B
Individual pole short-circuit breaking capacity (Iit)	: 1,92 kA at 415 Vac
Rated tightening torque for terminals	: 10 Nm
Line/load terminal	: Marked
Connection	: Copper conductor with cable lug

**Product data – type NXM-160F**

Rated ultimate short-circuit breaking capacity (Icu)	: 50 kA at 220 Vac / 230 Vac / 240 Vac 36 kA at 380 Vac / 400 Vac / 415 Vac
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**Product data – type NXM-160H**

Rated ultimate short-circuit breaking capacity (Icu)	: 75 kA at 220 Vac / 230 Vac / 240 Vac 50 kA at 380 Vac / 400 Vac / 415 Vac
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**Product data – type NXMH-160F**

Rated ultimate short-circuit breaking capacity (Icu)	: 50 kA at 220 Vac / 230 Vac / 240 Vac 36 kA at 380 Vac / 400 Vac / 415 Vac
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**Product data – type NXMH-160H**

Rated ultimate short-circuit breaking capacity (Icu) : 75 kA at 220 Vac / 230 Vac / 240 Vac  
50 kA at 380 Vac / 400 Vac / 415 Vac

**Product data – type NXMP-160F**

Rated ultimate short-circuit breaking capacity (Icu) : 50 kA at 220 Vac / 230 Vac / 240 Vac  
36 kA at 380 Vac / 400 Vac / 415 Vac

**Product data – type NXMP-160H**

Rated ultimate short-circuit breaking capacity (Icu) : 70 kA at 220 Vac / 230 Vac / 240 Vac  
50 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 331199200.

**Additional information**

Nomenclature breakdown:

NXM-160 H / 4 300 T B

a b c d e f

a = Model name: 'NXM', 'NXMP', 'NXMH'

b = Frame size: 160

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

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

e = 'Blank' means overload release is fixed, 'T' means overload release is adjustable

f = For Neutral pole, 'B' means unprotected N pole, 'C' means protected N pole

The referred test report is 3311992.50.

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