

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) : NXMS-400F, NXMS-400H, NXMS-630F, NXMS-630H, NXMSH-400F, NXMSH-400H, NXMSH-630F, NXMSH-630H, NXMSP-400F, NXMSP-400H, NXMSP-630F and NXMSP-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.

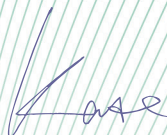
This certificate is issued on 15 June 2018 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-104357

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



Kate Xu
Certification Manager

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ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT
Product data

Product	: Moulded-Case Circuit-Breaker
Trade name(s)	: CHINT
Type(s)/model(s)	: NXMS-400F, NXMS-400H, NXMS-630F, NXMS-630H, NXMSH-400F, NXMSH-400H, NXMSH-630F, NXMSH-630H, NXMSP-400F, NXMSP-400H, NXMSP-630F and NXMSP-630H
Number of poles	: 3P and 4P (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)	: 1000 V
Rated impulse withstand voltage (Uimp)	: 12 kV
Conventional thermal current (Ith)	: Equal to In
Current rating for four-pole circuit-breakers	: 0,5 In, 1 In, OFF
rated frequency	: 50 / 60 Hz
Rated service short-circuit breaking capacity (Ics)	: 75 kA at 220 Vac / 230 Vac / 240 Vac 50 kA at 380 Vac / 400 Vac / 415 Vac
Rated short-time withstand current (Icw)	: 8 kA / 1 s at 220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac
Individual pole short-circuit breaking capacity (Iit)	: 6,05 kA at 415 Vac
Suitable for isolation	: Suitable
Selectivity category	: B
Safety distance (screen-circuit breaker)	: Front / Back: 0 mm, Left / Right: 100 mm, Up / Down: 100 mm
Instantaneous release	: li (instantaneous tripping setting): (2, 3, 4, 6, 8, 10, 12) x In or OFF
Time setting of the instantaneous release	: Fixed
Time setting of the inverse time delay release	: 12 s, 60 s, 100 s, 150 s with tolerance of $\pm 20\%$ (at 2 Ir) Trip time at 2 Ir: Set at 12 s: 12 s $\pm 20\%$ Set at 150 s: 150 s $\pm 20\%$
12 s, 60 s, 100 s, 150 s with tolerance of $\pm 20\%$ (at 2 Ir)	: Isd (short time delay tripping setting): (1,5, 2, 3, 4, 5, 6, 8) x Ir or OFF
Time setting of short time delay release	: tsd (short time delay tripping setting): 0,3 s with tolerance of $\pm 0,06$ s Non-tripping duration: 0,24 s
Method of mounting	: Fixed
EMC environment	: A and B
Rated tightening torque for terminals	: 22 Nm
Line/load terminal	: Marked
Connection	: Copper conductor with cable lug

Product data – type NXMS-400F

Rated current (In)	: 400 A
Inverse time delay release	: Ir (inverse time delay tripping setting): 200 A, 225 A, 250 A, 280 A, 300 A, 315 A, 350 A, 380 A, 400 A
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 NXMS-400H

Rated current (In)	: 400 A
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Inverse time delay release : Ir (inverse time delay tripping setting):
200 A, 225 A, 250 A, 280 A, 300 A, 315 A, 350 A, 380 A, 400 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

Product data – type NXMS-630F

Rated current (In) : 630 A
Inverse time delay release : Ir (inverse time delay tripping setting):
400 A, 450 A, 480 A, 500 A, 530 A, 560 A, 600 A, 630 A
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 NXMS-630H

Rated current (In) : 630 A
Inverse time delay release : Ir (inverse time delay tripping setting):
400 A, 450 A, 480 A, 500 A, 530 A, 560 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

Product data – type NXMSH-400F

Rated current (In) : 400 A
Inverse time delay release : Ir (inverse time delay tripping setting):
200 A, 225 A, 250 A, 280 A, 300 A, 315 A, 350 A, 380 A, 400 A
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 NXMSH-400H

Rated current (In) : 400 A
Inverse time delay release : Ir (inverse time delay tripping setting):
200 A, 225 A, 250 A, 280 A, 300 A, 315 A, 350 A, 380 A, 400 A
Ir (inverse time delay tripping setting): : 100 kA at 220 Vac / 230 Vac / 240 Vac
70 kA at 380 Vac / 400 Vac / 415 Vac

Product data – type NXMSH-630F

Rated current (In) : 630 A
Inverse time delay release : Ir (inverse time delay tripping setting):
400 A, 450 A, 480 A, 500 A, 530 A, 560 A, 600 A, 630 A
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 NXMSH-630H

Rated current (In) : 630 A
Inverse time delay release : Ir (inverse time delay tripping setting):
400 A, 450 A, 480 A, 500 A, 530 A, 560 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

Product data – type NXMSP-400F

Rated current (In) : 400 A
Inverse time delay release : Ir (inverse time delay tripping setting):
200 A, 225 A, 250 A, 280 A, 300 A, 315 A, 350 A, 380 A, 400 A

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 NXMSP-400H

Rated current (In) : 400 A
Inverse time delay release : Ir (inverse time delay tripping setting):
200 A, 225 A, 250 A, 280 A, 300 A, 315 A, 350 A, 380 A, 400 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

Product data – type NXMSP-630F

Rated current (In) : 630 A
Inverse time delay release : Ir (inverse time delay tripping setting):
400 A, 450 A, 480 A, 500 A, 530 A, 560 A, 600 A, 630 A
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 NXMSP-630H

Rated current (In) : 630 A
Inverse time delay release : Ir (inverse time delay tripping setting):
400 A, 450 A, 480 A, 500 A, 530 A, 560 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

TESTS**Test requirements**

EN 60947-2:2017

Test result

The test results are laid down in DEKRA test file 331200700.

Additional information

Nomenclature breakdown:

NXMS - 630 H / 4 300

a b c d

a = Model name: 'NXMS', 'NXMSP', 'NXMSH'

b = Frame size: '630', '400'

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

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

The referred test report is 3312007.50.

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