

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-160F, NXMS-160H, NXMSH-160F, NXMSH-160H, NXMSP-160F and NXMSP-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 28 May 2018 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-103331

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



Kreny Lin
Certification Manager

© Integral publication of this certificate is allowed

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-160F, NXMS-160H, NXMSH-160F, NXMSH-160H, NXMSP-160F and NXMSP-160H
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)	: 800 Vac
Rated impulse withstand voltage (Uimp)	: 8 kV
Rated current (In)	: 32 A, 63 A, 125 A, 160 A
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)	: 50 kA at 220 Vac / 230 Vac / 240 Vac 36 kA at 380 Vac / 400 Vac / 415 Vac
Rated short-time withstand current (Icw)	: 12 In / 1 s at 220 Vac / 230 Vac / 240 Vac / 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	: li (instantaneous tripping setting): (2, 3, 4, 6, 8, 10, 12) x In or OFF
Time setting of the instantaneous release	: Fixed
Inverse time delay release	: Ir (inverse time delay tripping setting): 14 A, 16 A, 18 A, 20 A, 25 A, 28 A, 30 A, 32 A (In: 32 A) 32 A, 36 A, 40 A, 45 A, 50 A, 56 A, 60 A, 63 A (In: 63 A) 63 A, 70 A, 75 A, 80 A, 90 A, 100 A, 110 A, 125 A (In: 125 A) 80 A, 90 A, 100 A, 110 A, 125 A, 140 A, 150 A, 160 A (In: 160 A)
Time setting of the inverse time delay release	: 12 s, 60 s, 80 s, 100 s with tolerance of $\pm 20\%$ (at 2 Ir) Trip time at 2 Ir: Set at 12 s: 12 s $\pm 20\%$ Set at 100 s: 100 s $\pm 20\%$
Short time delay release	: 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
Individual pole short-circuit breaking capacity (Iit)	: 1536 A at 415 Vac
Rated tightening torque for terminals	: 10 Nm
Line/load terminal	: Marked
Connection	: Copper conductor with cable lug

Product data – type NXMS-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 NXMS-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 NXMSH-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 NXMSH-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 NXMSP-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 NXMSP-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

TESTS**Test requirements**

EN 60947-2:2017

Test result

The test results are laid down in DEKRA test file 331200400.

Additional information

Nomenclature breakdown:

NXMS - 160 H / 4 300

a b c d

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

b = Frame size: 160

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

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

The referred test report is 3312004.50.

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