

ATTESTATION OF CONFORMITY

Issued to: Zhejiang Chint Electrics Co., Ltd.
No. 1, Chint Road,
Chint Industrial Zone,
North Baixiang, Yueqing,
Zhejiang, China

For the product: Moulded-Case Circuit Breaker

Trade name: CHINT

Type/Model: NXMS-160H, NXMSP-160H, NXMSH-160H, NXMS-160F, NXMSP-160F and
NXMSH-160F

Ratings: Ue: 220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac, 50 / 60 Hz
Ui: 800 Vac, Uimp: 8 kV, In: 32 A, 63 A, 125 A, 160 A
3P and 4P (protected N pole)
See annex for further ratings

Manufactured by: Zhejiang Chint Electrics Co., Ltd.
No. 1, Chint Road,
Chint Industrial Zone,
North Baixiang, Yueqing,
Zhejiang, China

Subject: Type test

Requirements: EN 60947-2:2017, IEC 60947-2:2016

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in test report no 3312004.50 issued on 2018-04-11.

This Attestation implies that the examined types are in accordance with the standards designated under the Low voltage directive (LVD) 2014/35/EU.

The examination has been carried out on one single specimen or several specimens of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

The CE marking may be affixed on the product if all relevant and effective EC directives are complied with.

Wenzhou, Zhejiang, 29 May 2018

Number: 3312004.01A

DEKRA Testing Services (Zhejiang) Co., Ltd.

Ms J Guo
Certification Manager



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Ratings:

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	:	Ii (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	:	I _{sd} (short time delay tripping setting): (1.5, 2, 3, 4, 5, 6, 8) x Ir or OFF
time setting of short time delay release	:	t _{sd} (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 (lit)	:	1536 A at 415 Vac
rated tightening torque for terminals	:	10 Nm
line/load terminal connection	:	Marked Copper conductor with cable lug

Product rating - 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 rating - 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

Product rating - 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 rating - 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 rating - 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 rating - 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

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