

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEME

CB TEST CERTIFICATE

Product	Circuit-breakers incorporating residual current protection
Name and address of the applicant	Zhejiang Chint Electrics Co., Ltd. No. 1, Chint Road, Chint industrial Zone, North Baixiang, Yueqing, Zhejiang China
Name and address of the manufacturer	Zhejiang Chint Electrics Co., Ltd. No. 1, Chint Road, Chint industrial Zone, North Baixiang, Yueqing, Zhejiang China
Name and address of the factory	<input type="checkbox"/> Additional information on page 2 Zhejiang Chint Electrics Co., Ltd. No. 1318, Binhai No. 2 Avenue, Economic and Technical Development Zone, Wenzhou, Zhejiang China
Ratings and principal characteristics	Ue: 220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac, 50 / 60 Hz Ui: 800 Vac, Uimp: 8 kV, In: 25 A, 30 A, 32 A, 40 A, 50 A, 60 A, 63 A, 65 A, 70 A, 75 A, 80 A, 90 A, 100 A, 110 A, 125 A, 140 A, 150 A, 160 A 2P (unprotected N pole or protected N pole), 3P and 4P (solid N pole and unprotected N pole) Icu: 50 kA at 220 Vac / 230 Vac / 240 Vac, 35 kA at 380 Vac / 400 Vac / 415 Vac Ics: 30 kA at 220 Vac / 230 Vac / 240 Vac, 18 kA at 380 Vac / 400 Vac / 415 Vac See annex for further ratings
Trademark (if any)	CHINT
Customer's Testing Facility (CTF) Stage used	
Model / Type Ref.	NXMLE-160S
Additional information (if necessary may also be reported on page 2)	<input type="checkbox"/> Additional information on page 2
A sample of the product was tested and found to be in conformity with	IEC 60947-2:2016
As shown in the Test Report Ref. No. which forms part of this Certificate	3312011.50

This CB Test Certificate is issued by the National Certification Body

DEKRA Certification B.V.
Meander 1051, NL-6825 MJ Arnhem, Netherlands




Ratings:

product	: Circuit-breakers incorporating residual current protection
trade name(s)	: CHINT
type(s)	: NXMLE-160S
number of poles	: 2P (unprotected N pole or protected N pole), 3P and 4P (solid N pole and unprotected N pole)
protected pole	: 2 or 3
rated operational voltage (U _e)	: 220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac
rated insulation voltage (U _i)	: 800 Vac
rated impulse withstand voltage (U _{imp})	: 8 kV
rated current (I _n)	: 25 A, 30 A, 32 A, 40 A, 50 A, 60 A, 63 A, 65 A, 70 A, 75 A, 80 A, 90 A, 100 A, 110 A, 125 A, 140 A, 150 A, 160 A
conventional thermal current (I _{th})	: Equal to I _n
current rating for four-pole circuit-breakers	: Equal to I _n
rated residual operating current (I Δ _n)	: 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 Δ _n (Δ t)	: 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
residual short-circuit making and breaking capacity (I Δ _m)	: 12,5 kA at 220 Vac / 230 Vac / 240 Vac 8,75 kA at 380 Vac / 400 Vac / 415 Vac
rated frequency	: 50 / 60 Hz
reference temperature	: 40 °C
rated service short-circuit breaking capacity (I _{cs})	: 30 kA at 220 Vac / 230 Vac / 240 Vac 18 kA at 380 Vac / 400 Vac / 415 Vac
rated ultimate short-circuit breaking capacity (I _{cu})	: 50 kA at 220 Vac / 230 Vac / 240 Vac 35 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, I _i : 10 I _n
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 _n : 1 min \leq t \leq 12 min
method of mounting	: Fixed
EMC environment	: A
rated tightening torque for terminals	: 10 Nm
line/load terminal connection	: Marked Copper conductor with cable lug

Additional information

Nomenclature breakdown:

NXMLE-160 S / 4 300 B

a b c d e

a = Model name: 'NXMLE'

b = Frame size: 160

c = Short-circuit capacity: 'S'

d = Pole numbers, '4' means 4P MCCBs, '3' means 3P MCCBs, '2' means 2P MCCBs

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

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trade name(s)	: CHINT
type(s)	: NXMLE-160S
number of poles	: 2P (unprotected N pole or protected N pole), 3P and 4P (solid N pole and unprotected N pole)
protected pole	: 2 or 3
rated operational voltage (U _e)	: 220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac
rated insulation voltage (U _i)	: 800 Vac
rated impulse withstand voltage (U _{imp})	: 8 kV
rated current (I _n)	: 25 A, 30 A, 32 A, 40 A, 50 A, 60 A, 63 A, 65 A, 70 A, 75 A, 80 A, 90 A, 100 A, 110 A, 125 A, 140 A, 150 A, 160 A
conventional thermal current (I _{th})	: Equal to I _n
current rating for four-pole circuit-breakers	: Equal to I _n
rated residual operating current (I Δ _n)	: 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
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