

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

CB TEST CERTIFICATE

Product	Moulded-Case Circuit-Breaker
Name and address of the applicant	Zhejiang Chint Electrics Co., Ltd. No. 1, Chint Road, Chint Industrial Zone, North Baixiang, Yueqing, 325603 Zhejiang China
Name and address of the manufacturer	Zhejiang Chint Electrics Co., Ltd. No. 1, Chint Road, Chint Industrial Zone, North Baixiang, Yueqing, 325603 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, 325025 Wenzhou, Zhejiang China
Ratings and principal characteristics	Ui: 800 V, Uimp: 8 kV In: 100 A, 110 A, 125 A, 140 A, 150 A, 160 A, 170 A, 175 A, 180 A, 200 A, 225 A, 250 A See annex for further ratings
Trademark (if any)	CHINT
Customer's Testing Facility (CTF) Stage used	
Model / Type Ref.	NM1-250R, NM1-250H, NM1-250S and NM1-250C
Additional information (if necessary may also be reported on page 2)	<input type="checkbox"/> Additional information on page 2 This certificate replaces certificate no. NL-61530 issued on 2019-10-31 and NL-61066 issued on 2019-09-30. The tests were performed in 2010, 2015 and 2019.
A sample of the product was tested and found to be in conformity with	IEC 60947-2:2016, IEC 60947-2:2016/AMD1:2019
As shown in the Test Report Ref. No. which forms part of this Certificate	3320127.50, 3320127.51, 3316468.50, 3307672.50, 3316470.50 and 3307673.50

This CB Test Certificate is issued by the National Certification Body

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



Ratings:

Rated insulation voltage (Ui)	: 800 V
Rated impulse withstand voltage (Uimp)	: 8 kV
Rated frequency	: 50 / 60 Hz
Rated current (In)	: 100 A, 110 A, 125 A, 140 A, 150 A, 160 A, 170 A, 175 A, 180 A, 200 A, 225 A, 250 A
Conventional thermal current (Ith)	: Equal to In
Current rating for four-pole circuit-breakers	: Equal to In
Rated service short-circuit breaking capacity (Ics)	: Ics = 50% Icu
Suitable for isolation	: Suitable
Selectivity category	: A
Safety distance (screen-circuit breaker)	: Front / Back: 0 mm, Left / Right: 50 mm, Up / Down: 50 mm
Reference temperature	: 40 °C
Method of mounting	: Fixed
EMC environment	: A and B
Tightening torque for terminals	: 12 Nm
Line/load terminal	: Marked
Connection	: Copper conductor with cable lug
Inverse time delay release	: Thermal type, fixed.
Time setting of the inverse time delay release	: Fixed, trip time at 2 In: 50 s ≤ t ≤ 720 s
Instantaneous release	: Magnetic type, fixed, 2 poles in series: li = 10 In single pole: 12 In

Product rating - NM1-250R

Number of poles	: 2P, 3P and 4P (N pole without overcurrent protection)
Protected pole	: 2 or 3
Rated operational voltage (Ue)	: 220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac / 660 Vac / 690 Vac for 3P and 4P, 220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac for 2P
Rated ultimate short-circuit breaking capacity (Icu)	: 85 kA at 220 / 230 / 240 Vac, 65 kA at 380 / 400 / 415 Vac 10 kA at 660 / 690 Vac

Product rating - NM1-250H

Number of poles	:	2P, 3P and 4P (N pole without overcurrent protection)
Protected pole	:	2 or 3
Rated operational voltage (Ue)	:	220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac / 660 Vac / 690 Vac for 3P and 4P, 220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac for 2P
Rated ultimate short-circuit breaking capacity (Icu)	:	65 kA at 220 / 230 / 240 Vac, 50 kA at 380 / 400 / 415 Vac 8 kA at 660 / 690 Vac

Product rating - NM1-250S

Number of poles	:	1P, 2P, 3P and 4P (N pole without overcurrent protection)
Protected pole	:	1, 2 or 3
Rated operational voltage (Ue)	:	220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac / 660 Vac / 690 Vac for 3P and 4P, 220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac for 1P and 2P
Rated ultimate short-circuit breaking capacity (Icu)	:	42 kA at 220 / 230 / 240 Vac, 25 kA at 380 / 400 / 415 Vac, 5 kA at 660 / 690 Vac (3P / 4P), 42 kA at 220 / 230 / 240 Vac, 25 kA at 380 / 400 / 415 Vac (2P), 20 kA at 220 / 230 / 240 Vac, 10 kA at 380 / 400 / 415 Vac (1P)

Product rating - NM1-250C

Number of poles	:	2P, 3P and 4P (N pole without overcurrent protection)
Protected pole	:	2 or 3
Rated operational voltage (Ue)	:	220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac / 660 Vac / 690 Vac for 3P and 4P, 220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac for 2P
Rated ultimate short-circuit breaking capacity (Icu)	:	25 kA at 220 / 230 / 240 Vac, 20 kA at 380 / 400 / 415 Vac, 5 kA at 660 / 690 Vac (3P / 4P), 25 kA at 220 / 230 / 240 Vac, 20 kA at 380 / 400 / 415 Vac (2P)

Additional information

Nomenclature breakdown:

NM1- 250 R / 4 300

a b c d

a = Model name: NM1

b = Frame size: 250

c = short-circuit capacity: 'R', 'H', 'S' or 'C'

d = pole numbers, '4' means 4P MCCBs, '3' means 3P MCCBs, '2' means 2P MCCBs, 'blank' means 1P MCCBs