

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
Note: When more than one factory, please report on page 2	
Ratings and principal characteristics	220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac / 500 Vac / 660 Vac / 690 Vac for 3P and 4P 220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac for 2P 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 2P, 3P and 4P (N pole with or without overcurrent protection) See annex for further ratings
Trademark (if any)	CHINT
Customer's Testing Facility (CTF) Stage used	
Model / Type Ref.	NM1-250C, NM1-250S and NM1-250H
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-60655 issued on 2019-09-23. The tests were performed in 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	3320126.50

This CB Test Certificate is issued by the National Certification Body

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

Ratings:

Number of poles	: 2P, 3P and 4P (N pole with or without overcurrent protection)
Protected pole	: 2, 3 or 4
Rated operational voltage (Ue)	: 220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac / 500 Vac / 660 Vac / 690 Vac for 3P and 4P 220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac for 2P
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
Suitable for isolation	: Suitable
Selectivity category	: A
Safety distance (screen-circuit breaker)	: Front / Back: 0 mm, Left / Right: 50 mm, Up / Down: 50 mm / 0 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 ≤ 840 s
Instantaneous release	: Magnetic type, fixed, 2 poles in series: $I_i = 10 I_n$ single pole: 14 In

Product rating - NM1-250C

Rated service short-circuit breaking capacity (Ics)	: 13 kA at 220 Vac / 230 Vac / 240 Vac, 10 kA at 380 Vac / 400 Vac / 415 Vac, 3 kA at 660 Vac / 690 Vac
---	---

Rated ultimate short-circuit breaking capacity (Icu)	: 25 kA at 220 Vac / 230 Vac / 240 Vac, 20 kA at 380 Vac / 400 Vac / 415 Vac, 5 kA at 660 Vac / 690 Vac for C series
--	--

Product rating - NM1-250S

Rated service short-circuit breaking capacity (Ics)	: 30 kA at 220 Vac / 230 Vac / 240 Vac, 18 kA at 380 Vac / 400 Vac / 415 Vac, 4 kA at 660 Vac / 690 Vac
---	---

Rated ultimate short-circuit breaking capacity (Icu)	: 50 kA at 220 Vac / 230 Vac / 240 Vac, 35 kA at 380 Vac / 400 Vac / 415 Vac, 8 kA at 660 Vac / 690 Vac
--	---

Product rating - NM1-250H

Rated service short-circuit breaking capacity (Ics) : 50 kA at 220 Vac / 230 Vac / 240 Vac,
25 kA at 380 Vac / 400 Vac / 415 Vac,
15 kA at 500 Vac,
5 kA at 660 Vac / 690 Vac

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,
25 kA at 500 Vac,
10 kA at 660 Vac / 690 Vac

Additional information

Nomenclature breakdown:

NM1-250 C / 4 300 B

a b c d e

a = Model name: 'NM1'

b = Frame size: '250'

c = Short-circuit capacity: 'C', 'S' and 'H'

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

e = For Neutral pole, 'B' means N pole without overcurrent protection, 'C' means N pole with overcurrent protection