

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

Note: When more than one factory, please report on page 2

☐ 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

Ue: 220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac / 500 Vac /
660 Vac / 690 Vac 50 / 60 Hz for 3P and 4P
220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac 50 / 60Hz for 2P
Ui: 800 V, Uimp: 8 kV
In: 16 A, 20 A, 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
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.

NM1-125H, NM1-125S and NM1-125C

Additional information (if necessary may also be reported on page 2)

☐ Additional information on page 2

This certificate replaces certificate no. NL-54293 issued on 2018-09-25. The tests were performed in 2018.

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

3320124.50

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) | : 16 A, 20 A, 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 |
| 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 | : 10 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: $1 \text{ min} \leq t \leq 12 \text{ min}$ |
| Instantaneous release | : Magnetic type, fixed, 2 poles in series: $I_i = 10 I_n$ single pole: $14 I_n$ |

Product rating - NM1-125C

| | |
|--|---|
| Rated service short-circuit breaking capacity (Ics) | : 15 kA at 220 Vac / 230 Vac / 240 Vac, 13 kA at 380 Vac / 400 Vac / 415 Vac, 8 kA at 500 Vac, 3 kA at 660 Vac / 690 Vac |
| Rated ultimate short-circuit breaking capacity (Icu) | : 30 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 |

Product rating - NM1-125H

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|--|--|
| 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 |

Product rating - NM1-125S

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,
10 kA at 500 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,
20 kA at 500 Vac, 8 kA at 660 Vac / 690 Vac

Additional information

Nomenclature breakdown:

NM1-125 S / 4 300 B

a b c d e

a = Model name: 'NM1'

b = Frame size: 125

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

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