



CB TEST CERTIFICATE

Ref. Certificate No.

NL-37340

IEC SYSTEM OF CONFORMITY ASSESSMENT SCHEMES FOR ELECTROTECHNICAL EQUIPMENT AND COMPONENTS (IECEE) CB SCHEME

Issued by: DEKRA Certification B.V.

Product: Moulded-Case Circuit Breaker

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

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

Factory: Zhejiang Chint Electrics Co., Ltd No.1318, Binhai No.2 Avenue, China
Economic and Technical Development Zone, Wenzhou City, Zhejiang Province

Rating and principal characteristics:

Ue: 220 / 230 / 240 / 380 / 400 / 415 / 660 / 690 Vac for 3P and 4P
220 / 230 / 240 / 380 / 400 / 415 for 1P and 2P
In: 100 A, 125 A, 140 A, 150 A, 160 A, 175 A, 180 A, 200 A, 225 A, 250 A,
50 / 60 Hz
Ui: 800 Vac, Uimp: 8 kV, 1P (only NM1-250S), 2P, 3P and 4P (unprotected N pole)
Icu:
For 2P/3P/4P: 42 kA at 220/230/240 Vac, 25 kA at 380/400/415 Vac (S series)
25 kA at 220/230/240 Vac, 20 kA at 380/400/415 Vac (C series)
For 3P/4P: 5 kA at 660/690 Vac (S and C series)
For 1P: 20 kA at 220/230/240 Vac, 10 kA at 380/400/415 Vac (S series)

Trade mark (if any): CHINT

Model/Type reference: NM1-250S, NM1-250C

Additional information: This certificate is based on and replaces the certificate no. NL-18991 issued on 2010-09-20.

Sample of product tested to be in conformity with IEC: 60947-2(ed.4);am1;am2

Test Report Ref. No: 3307673.50

This CB Test Certificate is issued by the National Certification Body:

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

Signed by: F.S.Strikwerda

Date of issue: 2015-08-28



Ratings:

number of poles	: 1P (only NM1-250S), 2P, 3P and 4P (unprotected N pole)
protected pole	: 1, 2 or 3
rated operational voltage (Ue)	: 220 / 230 / 240 / 380 / 400 / 415 / 660 / 690 Vac for 3P and 4P 220 / 230 / 240 / 380 / 400 / 415 Vac for 1P and 2P
rated insulation voltage (Ui)	: 800 Vac
rated impulse withstand voltage (Uimp)	: 8 kV
rated current (In)	: 100 A, 125 A, 140 A, 150 A, 160 A, 175 A, 180 A, 200 A, 225 A, 250 A
rated operational current (Ie)	: Equal to In
conventional thermal current (Ith)	: Equal to In
current rating for four-pole circuit-breakers	: Equal to In
rated frequency	: 50 / 60 Hz
reference temperature	: 40 °C
rated ultimate short-circuit breaking capacity (Icu)	: For 2P/3P/4P: 42 kA at 220/230/240 Vac, 25 kA at 380/400/415 Vac (S series) 25 kA at 220/230/240 Vac, 20 kA at 380/400/415 Vac (C series) For 3P/4P: 5 kA at 660/690 Vac (S and C series) For 1P: 20 kA at 220/230/240 Vac, 10 kA at 380/400/415 Vac (S series)
rated service short-circuit breaking capacity (Ics)	: Ics = 50% Icu
suitable for isolation	: Suitable
utilization category	: A
safety distance (screen-circuit breaker)	: Front / Back: 0 mm, Left / Right: 50 mm, Up / Down: 50 mm
instantaneous release	: Magnetic type, fixed, 2 poles in series: $I_i = 10 I_n$ single pole: 12 In
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 In: $60 \text{ s} \leq t \leq 540 \text{ s}$
EMC environment	: A and B
Individual pole short-circuit breaking capacity (Isu)	: N/A
Individual pole short-circuit breaking capacity (I _{IT})	: N/A
line/load terminal connection	: Marked Copper conductor with cable lug

Additional information:

Nomenclature breakdown:

NM1-250S/4300

a b c d

a = Model name: NM1

b = Frame size: 250

c = short-circuit capacity, 'S' or 'C'

d = pole numbers, '4300' means 4P MCCBs, '3300' means 3P MCCBs, '2300' means 2P MCCBs, 'blank' means 1P MCCBs