

# CERTIFICATE

Issued to:  
Applicant:  
**Zhejiang Chint Electric Co., Ltd.**  
No.1, Chint Road, Chint Industrial Zone, North  
Baixiang, Yueqing, Zhejiang, P.R. China

Manufacturer/Licensee:  
**Zhejiang Chint Electric Co., Ltd.**  
No.1, Chint Road, Chint Industrial Zone, North  
Baixiang, Yueqing, Zhejiang, P.R. China

Product(s) : MCCB  
Trade name(s) : CHINT  
Type(s)/model(s) : NM1-250S, NM1-250C

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard EN 60947-2:2006 + A1:2009 + A2:2013; IEC 60947-2:2006 + A1:2009 + A2:2013;
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 2032236

DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the KEMA-KEUR certification agreement and under the conditions of the KEMA-KEUR certification agreement.

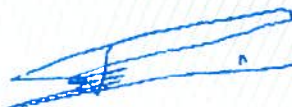
This certificate is issued on: 28 August 2015 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 3307673.01

DEKRA Certification B.V.



drs. G.J. Zoetbrood  
Managing Director



F.S. Strikwerda  
Certification Manager

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DUTCH ACCREDITATION  
COUNCIL



## SPECIFICATION OF THE CERTIFIED PRODUCT

### Product data

product	: MCCB
trade name(s)	: CHINT
type(s)	: NM1-250S, NM1-250C
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 (Iit)	: 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

**TESTS****Test requirements**

EN 60947-2:2006 + A1:2009 + A2:2013

IEC 60947-2:2006 + A1:2009 + A2:2013

**Test result**

The test results are laid down in DEKRA test file 3307673.01 and report 3307673.50.

**Remarks**

This certificate is based on and replaces certificate no. 2137937.01 issued on 2010-09-14.

**Conclusion**

The examination proved that all test requirements were met.

Tested by           : King Wang



Checked by       : Eric Wang

**Factory locations**

Zhejiang Chint Electrics Co., Ltd.

No.1318, Binhai No.2 Avenue, Economic and Technical Development Zone, Wenzhou City, Zhejiang Province, P.R. China