

# 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) : NM1-400R, NM1-400H, NM1-400S

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.

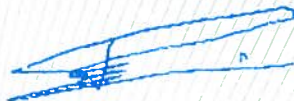
This certificate is issued on: 20 July 2015 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 3307674.01

DEKRA Certification B.V.



drs. G.J. Zoetbrood  
Managing Director



F.S. Strikwerda  
Certification Manager

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ACCREDITED BY THE  
DUTCH ACCREDITATION  
COUNCIL



**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

product	:	MCCB
trade name(s)	:	CHINT
type(s)	:	NM1-400R, NM1-400H, NM1-400S
number of poles	:	3P and 4P (unprotected N pole)
protected pole	:	3
rated operational voltage (Ue)	:	220 / 230 / 240 / 380 / 400 / 415 / 660 / 690 Vac
rated insulation voltage (Ui)	:	800 Vac
rated impulse withstand voltage (Uimp)	:	8 kV
rated current (In)	:	225 A, 250 A, 300 A, 315 A, 350 A, 400 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)	:	100 kA at 220 / 230 / 240 Vac, 70 kA at 380 / 400 / 415 Vac, 15 kA at 660 / 690 Vac for R series 85 kA at 220 / 230 / 240 Vac, 50 kA at 380 / 400 / 415 Vac, 12 kA at 660 / 690 Vac for H series 50 kA at 220 / 230 / 240 Vac, 35 kA at 380 / 400 / 415 Vac, 10 kA at 660 / 690 Vac for 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: 100 mm, Up / Down: 100 mm
instantaneous release	:	Magnetic type, fixed, 2 poles in series: $I_i = 10 I_n$ single pole: $12 I_n$
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 $2 I_n$ : $120 \text{ s} \leq t \leq 540 \text{ s}$
EMC environment	:	A and B
Individual pole short-circuit breaking capacity (I <sub>su</sub> )	:	N/A
Individual pole short-circuit breaking capacity (I <sub>it</sub> )	:	N/A
line/load terminal	:	Marked
connection	:	Copper conductor with cable lug

**Additional information**

Nomenclature breakdown:

NM1-400x/y300

a b c d

a = Model name: NM1

b = Frame size: 400

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

d = pole numbers, '4' means 4P MCCBs, '3' means 3P 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 3307674.01 and report 3307674.50.

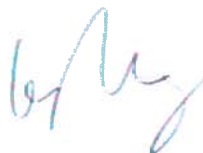
**Remarks**

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