

# 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) : NM8S-630R, NM8S-630H, NM8S-630S, NM8S-400R, NM8S-400H, NM8S-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.

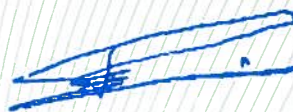
This certificate is issued on: 15 July 2013 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 3304778.01

DEKRA Certification B.V.



drs. G.J. Zoetbrood  
Managing Director



F.S. Strikwerda  
Certification Manager

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ACCREDITED BY  
THE DUTCH COUNCIL  
FOR ACCREDITATION



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

product	:	MCCB
trade name(s)	:	CHINT
type(s)	:	NM8S-630R, NM8S-630H, NM8S-630S, NM8S-400R, NM8S-400H, NM8S-400S
number of poles	:	3P / 4P (protected N pole)
protected pole	:	3 / 4
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)	:	250 A, 315 A, 350 A, 400 A, 500 A, 630 A for 630 series, 250 A, 315 A, 350 A, 400 A for 400 series
rated operational current (Ie)	:	0,4 - 1,0 In
conventional thermal current (Ith)	:	Equal to In
current rating for four-pole circuit-breakers	:	Equal to In
rated frequency	:	50 / 60 Hz
rated ultimate short-circuit breaking capacity (Icu)	:	150 kA at 415 Vac, 15kA at 690 Vac for R series 100 kA at 415 Vac, 15kA at 690 Vac for H series 70 kA at 415 Vac, 15kA at 690 Vac for S series
rated service short-circuit breaking capacity (Ics)	:	Ics = 100% Icu at 220 / 230 / 240 / 380 / 400 / 415 Vac Ics = 50% Icu at 660 / 690 Vac
suitable for isolation	:	Suitable
utilization category	:	A
safety distance (screen-circuit breaker)	:	All sides: 0 mm,
instantaneous release	:	Electronic type, adjustable, Ii: 1,5In, 2In, 3In, 4In, 6In, 8In, 10In, 12In
time setting of the instantaneous release	:	Fixed
definite time delay release	:	Electronic type, adjustable, I <sub>sd</sub> : OFF, 1,5In, 2In, 3In, 4In, 5In, 6In, 8In
time setting of the definite time delay release	:	0,1 s, 0,2 s (tolerance: ± 40 ms), 0,3 s, 0,4 s (tolerance: ± 15%)
earthing fault protection release	:	Electronic type, adjustable, I <sub>g</sub> : OFF, 0,5In, 1 In (only for N pole)
time setting of the earthing fault	:	0,1 s, 0,2 s (tolerance: ± 40 ms), 0,3 s, 0,4 s (tolerance: ± 15%)
inverse time delay release	:	Electronic type, adjustable, 0,4In, 0,5In, 0,6In, 0,7In, 0,8In, 0,9In, 0,95In, 1,0In
time setting of the inverse time delay release	:	3 s, 6 s, 12 s, 18 s (The value of time setting is equal to to the tripping time when the current is 6 IR), (tolerance: ± 15%)
method of mounting	:	Fixed
EMC environment	:	A and B
Individual pole short-circuit breaking capacity (I <sub>su</sub> )	:	8 kA at 690 Vac
Individual pole short-circuit breaking capacity (I <sub>lit</sub> )	:	9,07 kA at 690 Vac
line/load terminal connection	:	Unmarked Copper conductor with cable lug

**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 3304778.01 and reports 3304778.50, W0805123.53, S0509040.54.

**Remarks**

This certificate is also based on and replaces certificate no. 2139069.01 issued on 2010-11-02.

**Conclusion**

The examination proved that all test requirements were met.

Tested by : King Wang

A handwritten signature in blue ink, appearing to read 'King Wang'.

Checked by : Eric Wang

A handwritten signature in blue ink, appearing to read 'Eric Wang'.**Factory locations**

Zhejiang Chint Electrics Co., Ltd.

No.1, Chint Road, Chint Industrial Zone, North Baixiang, Yueqing, Zhejiang, P.R. China