

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 _{sd} : 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 _g : 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 _{su})	:	8 kA at 690 Vac
Individual pole short-circuit breaking capacity (I _{lit})	:	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