CERTIFICATE

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

Manufacturer/Licensee:
Zhejiang Chint Electrics 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) : NM1-630R, NM1-630H, NM1-630S

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: 3307675.01

DEKRA Certification B.V.

drs. G.J. Zoetbrood
Managing Director

F.S. Strikwerda
Certification Manager

ACCREDITED BY THE DUTCH ACCREDITATION COUNCIL

PRODUCTS RvA C 001

KEMA KEUR

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SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

product	:	MCCB
trade name(s)	:	CHINT
type(s)	:	NM1-630R, NM1-630H, NM1-630S
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)	:	400 A, 500 A, 630 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, 15 kA at 660 / 690 Vac for H series 50 kA at 220 / 230 / 240 Vac, 35 kA at 380 / 400 / 415 Vac, 12 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: Ii = 10 In 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: 120 s ≤ t ≤ 840 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	:	Marked
connection	:	Copper conductor with cable lug

Additional information

Nomenclature breakdown:

NM1-630x/y300
a b c d

a = Model name: NM1
b = Frame size: 630
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 3307675.01 and report 3307675.50.

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