

# CERTIFICATE

Issued to:  
Applicant:  
**Zhejiang Chint Electrics Co., Ltd.**  
No. 1, Chint Road, Chint Industrial Zone, North  
Baixiang, Yueqing,  
325603 Zhejiang, China

Licensee:  
**Zhejiang Chint Electrics Co., Ltd.**  
No. 1, Chint Road, Chint Industrial Zone, North  
Baixiang, Yueqing,  
325603 Zhejiang, China

Product : Moulded-Case Circuit-Breaker  
Trade name(s) : CHINT  
Type(s)/model(s) : NM1-630H, NM1-630R and 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(s) EN 60947-2:2017, EN 60947-2:2017/A1:2020, IEC 60947-2:2016 and IEC 60947-2:2016/A1:2019
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2032236

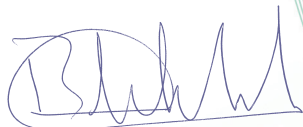
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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

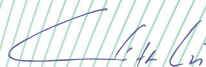
This certificate is issued on 31 May 2021 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-117997

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



C. Lin  
Certification Manager

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DUTCH ACCREDITATION  
COUNCIL



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

Product	: Moulded-Case Circuit-Breaker
Trade name(s)	: CHINT
Type(s)/model(s)	: NM1-630H, NM1-630R and NM1-630S
Number of poles	: 3P and 4P (N pole without overcurrent protection)
Protected pole	: 3
Rated operational voltage (Ue)	: 220 Vac / 230 Vac / 240 Vac / 380 Vac / 400 Vac / 415 Vac / 660 Vac / 690 Vac
Rated insulation voltage (Ui)	: 800 V
Rated impulse withstand voltage (Uimp)	: 8 kV
Rated frequency	: 50 / 60 Hz
Rated current (In)	: 400 A, 450A, 500 A, 600 A, 630 A
Conventional thermal current (Ith)	: Equal to In
Current rating for four-pole circuit-breakers	: Equal to In
Rated service short-circuit breaking capacity (Ics)	: Ics = 50% Icu
Suitable for isolation	: Suitable
Selectivity category	: A
Safety distance (screen-circuit breaker)	: Front / Back: 0 mm, Left / Right: 100 mm, Up / Down: 100 mm
Reference temperature	: 40 °C
Method of mounting	: Fixed
EMC environment	: A and B
Rated tightening torque for terminals	: 26 Nm
Line/load terminal	: Marked
Connection	: Copper conductor with cable lug
Inverse time delay release	: Thermal type, fixed
Time setting of the inverse time delay release	: Fixed, trip time at 2 In: 120 s ≤ t ≤ 1100 s
Instantaneous release	: Magnetic type, fixed, 2 poles in series: li = 10 In single pole: 12 In

**Product data – type NM1-630H**

Rated ultimate short-circuit breaking capacity (Icu)	: 85 kA at 220 / 230 / 240 Vac, 50 kA at 380 / 400 / 415 Vac 15 kA at 660 / 690 Vac
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**Product data – type NM1-630R**

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
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**Product data – type NM1-630S**

Rated ultimate short-circuit breaking capacity (Icu)	: 50 kA at 220 / 230 / 240 Vac, 35 kA at 380 / 400 / 415 Vac 12 kA at 660 / 690 Vac
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**TESTS****Test requirements**

EN 60947-2:2017

EN 60947-2:2017/A1:2020

IEC 60947-2:2016

IEC 60947-2:2016/A1:2019

**Test result**

The test results are laid down in DEKRA test file 332012900.

**Additional information**

Nomenclature breakdown:

NM1- 630 S / 4 300

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

The referred test reports are 3320129.50, 3315450.50 and 3307675.50.

This certificate replaces certificate No. 33-109014 which we hereby declare invalid.

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

Zhejiang Chint Electrics Co., Ltd.

No. 1318, Binhai No. 2 Avenue, Economic and Technical Development Zone,

325025 Wenzhou Zhejiang, China