

# 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 : Thermal Overload Relay  
Trade name(s) : CHINT  
Type(s)/model(s) : NR2-150

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 IEC 60947-4-1:2019 and EN 60947-5-1:2017
- 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 27 September 2019 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 33-110151

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



JMg Marggraf  
Certification Manager

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DUTCH ACCREDITATION  
COUNCIL



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

Product	: Thermal Overload Relay
Trade name(s)	: CHINT
Type(s)/model(s)	: NR2-150
Kind of equipment	: Thermal Overload Relay
Number of poles	: 3
Kind of current (a.c. or d.c.)	: a.c
Interrupting medium	: Air
Method of operation	: Automatic and by hand
Rated frequency	: 50 / 60 Hz
Rated duties	: Uninterrupted operation duty
Rated and limiting values, main circuit	: As below
Rated operational voltage Ue (V)	: 380 / 400 / 415, 660 Vac
Rated insulation voltage Ui (V)	: 690 V
Rated impulse withstand voltage Uimp(kV)	: 6 kV
Conventional free air thermal current Ith (A)	: 150 A
Rated operational current Ie (A) or rated operational powers	: 80-104 A, 95-120 A, 110-150 A
Rated uninterrupted current Iu (A)	: Equal to Ie
Rated prospective short-circuit current "r" (kA)	: 10 kA
Rated conditional short-circuit current Iq (kA)	: 50 kA
Type of co-ordination SCPD	: type "1" co-ordination Fuse: RT36-2 (NT2) gG 250 A, 690 Vac, 50 kA Manufacturer is CHINT
Terminal Terminations	: Flexible and rigid stranded wire: 10mm <sup>2</sup> -50mm <sup>2</sup> One side, screw terminals, one conductor per terminal Other side, pins to be connected to contactors
Auxiliary circuits	: As below
Rated operational voltage Ue (V)	: AC-15: 380 Vac, 220 Vac, DC-13: 220 Vdc
Rated insulation voltage: Ui (V)	: 690 V
Rated impulse withstand voltage Uimp(kV)	: 6 kV
Rated operational current: Ie (A)	: AC-15, 1,58 A at 380 Vac, 2,73 A at 220 Vac DC-13, 0,2 A at 220 Vdc
Kind of current	: AC or DC
Rated frequency: (Hz)	: 50 / 60 Hz
Number of circuits	: 2
Number and kind of contact elements	: 1NO and 1NC
Rated uninterrupted current: Iu (A)	: Equal to Ie
Utilization category: (AC, DC, current and voltage)	: AC-15, 1,58 A at 380 Vac, 2,73 A at 220 Vac DC-13, 0,2 A at 220 Vdc
Short-circuit characteristic	: As below
Rated conditional short-circuit current (kA)	: 1 kA
Kind of protective device	: Fuse: RT36-00 (NT00) 6 A, 500 Vac, 120 kA Manufacturer is CHINT



## TESTS

### Test requirements

EN IEC 60947-4-1:2019  
EN 60947-5-1:2017

### Test result

The test results are laid down in DEKRA test file 331637000.

### Additional information

The referred test reports are No.3316370.50 and 3316366.51.

The product also complies with IEC 60947-4-1:2018, IEC 60947-5-1:2016.

This certificate replaces certificate No. 3308253.01 which we herewith declare invalid.

### Conclusion

The examination proved that all requirements were met.

### Factory location

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