



CB TEST CERTIFICATE

Ref. Certificate No.

NL-19069

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

Issued by:	KEMA Quality B.V.		
Product:	Thermal overload relay		
Applicant:	Zhejiang CHINT Electrics Co., Ltd.	No.1, Chint Road, CHINT Industrial Zone, North Baixiang, Yueqing, Zhejiang	China
Manufacturer:	Zhejiang CHINT Electrics Co., Ltd.	No.1, Chint Road, CHINT Industrial Zone, North Baixiang, Yueqing, Zhejiang	China
Factory:	Zhejiang CHINT Electrics Co., Ltd.	No.1, Chint Road, CHINT Industrial Zone, North Baixiang, Yueqing, Zhejiang	China
Rating and principal characteristics:	Main circuit: Ue: 380 / 400 / 415 Vac, 660 Vac Ui: 690 V Uimp: 6 kV Ith: 13 A - 630 A Auxiliary circuit: AC-15: 380 Vac / 1,58 A, 220 Vac / 2,73 A DC-13: 220 Vdc / 0,2 A Ui: 690 V Uimp: 6 kV Ith: 5 A See Annex for further rating		
Trade mark (if any):	CHINT		
Model/Type reference:	NR2-11,5, NR2-25, NR2-36, NR2-93, NR2-150, NR2-200, NR2-630		
Additional information:	All overload relays are thermal compensated for ambient air temperature variations and Phase loss sensitive		
Sample of product tested to be in conformity with IEC:	60947-4-1(ed.3) 60947-5-1(ed.3);am1		
Test Report Ref. No:	3301041.50 to 3301041.57		

This CB Test Certificate is issued by the National Certification Body:

KEMA Quality B.V.
Utrechtseweg 310
P.O. Box 5185
6802 ED Arnhem
The Netherlands

KEMA Quality
a DEKRA company

Signed by: H.R.M. Barends

Date of issue: 2010-09-22

SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	: Thermal overload relay
Trade name(s)	: CHINT
Type(s)	: NR2-11,5, NR2-25, NR2-36, NR2-93, NR2-150, NR2-200, NR2-630

General

Method of operation	: bimetal heated
Pollution degree	: 3
Degree of protection	: N/A

Main circuit

Number of poles	: 3-poles
Contacts	: No main contacts
Rated frequency	: 50/60 Hz
Rated operational voltage (Ue)	: 380 / 400 / 415 V, 660 Vac
Rated insulation voltage (Ui)	: 690 V
Rated impulse withstand voltage (Uimp)	: 6 kV
Terminations	: NR2-11,5, NR2-25, NR2-36, NR2-93, NR2-150: One side, screw terminals, one conductor per terminal Other side, pins to be connected to contactors NR2-200, NR2-630: Prepared conductors (cables with lug)

Auxiliary circuit

Number of contacts	: 1x NC contact 1 x NO contact
Rated frequency	: 50/60 Hz and dc
Utilization category	: AC-15 220 Vac, 2,73 A AC-15 380 Vac, 1,58 A DC-13 220 Vdc, 0,2 A

Rated uninterrupted current (Ith)	: 5 A
Rated insulation voltage (Ui)	: 690 V
Rated conditional short-circuit current	: 1 kA, SCPD: fuse RT36-00(NT00 gG 6 A)
Connecting capacity	: Flexible and rigid stranded wire, 0,5 mm ² -1 mm ²

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Product data – type NR2-11,5

Main circuit

Conventional thermal current (I _{th})	: 13 A
Connecting capacity	: Flexible and rigid stranded wire, 0,5 mm ² – 2,5 mm ²
Rated current	: 0,1-0,16 A, 0,16-0,25 A, 0,25-0,4 A, 0,4-0,63 A, 0,63-1 A, 1-1,6 A, 1,25-2 A, 1,6-2,5 A, 2,5-4 A, 4-6 A, 5,5-8 A, 7-10 A, 9-13 A
Rated conditional short-circuit current ("r")	: 1 kA
Rated conditional short-circuit current ("I _q ")	: 50 kA
Type of co-ordination	: 1
SCPD	: fuse RT36-00(NT00), gG 25 A, 690 V, 50 kA

Product data – type NR2-25

Main circuit

Conventional thermal current (I _{th})	: 25 A
Connecting capacity	: Flexible and rigid stranded wire, 0,5 mm ² – 4 mm ²
Rated current	: 0,1-0,16 A, 0,16-0,25 A, 0,25-0,4 A, 0,4-0,63 A, 0,63-1 A, 1-1,6 A, 1,25-2 A, 1,6-2,5 A, 2,5-4 A, 4-6 A, 5,5-8 A, 7-10 A, 9-13 A, 12-18 A, 17-25 A
Rated conditional short-circuit current ("r")	: 3 kA
Rated conditional short-circuit current ("I _q ")	: 50 kA
Type of co-ordination	: 1
SCPD	: fuse RT36-00(NT00), gG 50 A, 690 V, 50 kA

Product data – type NR2-36

Main circuit

Conventional thermal current (I _{th})	: 36 A
Connecting capacity	: Flexible and rigid stranded wire, 1,5 mm ² – 10 mm ²
Rated current	: 23-32 A, 28-36 A
Rated conditional short-circuit current ("r")	: 3 kA
Rated conditional short-circuit current ("I _q ")	: 50 kA
Type of co-ordination	: 1
SCPD	: fuse RT36-1(NT1), gG 80 A, 690 V, 50 kA

Product data – type NR2-93

Main circuit

Conventional thermal current (I _{th})	: 93 A
Connecting capacity	: Flexible and rigid stranded wire, 1,5 mm ² – 35 mm ²
Rated current	: 23-32 A, 30-40 A, 37-50 A, 48-65 A, 55-70 A, 63-80 A, 80-93 A

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Rated conditional short-circuit current ("r") : 5 kA
Rated conditional short-circuit current ("Iq") : 50 kA

Type of co-ordination : 1
SCPD : fuse RT36-2(NT2), gG 160 A, 690 V, 50 kA

Product data – type NR2-150

Main circuit

Conventional thermal current (Ith) : 150 A
Connecting capacity : Flexible and rigid stranded wire, 10 mm² – 50 mm²
Rated current : 80-104 A, 95-120 A, 110-150 A
Rated conditional short-circuit current ("r") : 10 kA
Rated conditional short-circuit current ("Iq") : 50 kA
Type of co-ordination : 1
SCPD : fuse RT36-2(NT2), gG 250 A, 690 V, 50 kA

Product data – type NR2-200

Main circuit

Conventional thermal current (Ith) : 200 A
Connecting capacity : Prepared conductors (cables with lug),
10 mm² – 95 mm²
Rated current : 80-125 A, 100-160 A, 125-200 A
Rated conditional short-circuit current ("r") : 10 kA
Rated conditional short-circuit current ("Iq") : 50 kA
Type of co-ordination : 1
SCPD : fuse RT36-3(NT3), gG 315 A, 690 V, 50 kA

Product data – type NR2-630

Main circuit

Conventional thermal current (Ith) : 630 A
Connecting capacity : Prepared conductors (cables with lug),
35 mm² – 2×185 mm²
Rated current : 160-250 A, 200-315 A, 250-400 A, 315-500 A,
400-630
Rated conditional short-circuit current ("r") : 18 kA
Rated conditional short-circuit current ("Iq") : 50 kA
Type of co-ordination : 1
SCPD : fuse RT36-4(NT4), gG 800 A, 690 V, 50 kA