



# CB TEST CERTIFICATE

Ref. Certificate No.

NL-18995/A1

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

Issued by:	KEMA Quality B.V.		
Product:	Electromagnetic contactor		
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:	<p>Main circuit: Ue: 380/400/415/660 Vac Ui: 660 V  Uimp: 8 kV  Ith:20 ~ 95 A AC-3, AC-4 50/60 Hz  Auxiliary circuit: AC-15:380 V/0,95 A, 220 V/1,6 A, 110 V/3,3 A, 36 V/10 A,  DC-13:220 V/0,15 A, 110 V/0,3 A, 24 V/0,92 A  Ui: 660 V Uimp: 6 kV Ith:10 A  Control circuit: 24, 48, 110, 220, 380 Vac  see detailed ratings in annex</p>		
Trade mark (if any):	CHINT		
Model/Type reference:	NC1-09, NC1-12, NC1-18, NC1-25, NC1-32, NC1-40, NC1-50, NC1-65, NC1-80, NC1-95		
Additional information:	A1: editorial changes. Date of first issue 2010-08-31.		
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:	3301043.50 and 3301043.51		

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

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

**KEMA Quality**  
a DEKRA company

Signed by: F.S.Strikwerda

Date of issue: 2010-09-07

**SPECIFICATION OF THE CERTIFIED PRODUCT**

**Product data**

Product : Electromagnetic Contactor  
Trade name(s) : CHINT  
Type(s) : NC1-a b

a= Rated operational current at (AC-3, 380 / 400 / 415 V),  
it can be 09, 12, 18, 25, 32, 40, 50, 65, 80 or 95

b= Number of main and auxiliary contacts,  
it can be 10, 01, 11, 04 or 08

- 10: 3 NO main contacts and 1 NO auxiliary contact (only applicable to NC1-09, NC1-12, NC1-18, NC1-25, NC1-32)
- 01: 3 NO main contacts and 1 NC auxiliary contacts (only applicable to NC1-09, NC1-12, NC1-18, NC1-25, NC1-32)
- 11: 3 NO main contacts and 1 NO auxiliary contact + 1 NC auxiliary contact (only applicable to NC1-40, NC1-50, NC1-65, NC1-80, NC1-95)
- 04: 4 NO main contact (not applicable to NC1-09, NC1-12, NC1-18, NC1-25, NC1-32), no auxiliary contact
- 08: 2 NO main contact + 2 NC main contact (not applicable to NC1-09, NC1-12, NC1-18, NC1-25, NC1-32), no auxiliary contact

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**General**

Method of operation : Electro mechanical  
Pollution degree : 3

**Main circuit**

Number of poles : 3 for NC1-09, NC1-12, NC1-18, NC1-25, NC1-32  
3 or 4 for NC1-40, NC1-50, NC1-65, NC1-80, NC1-95  
Rated frequency : 50 / 60 Hz  
Rated operational voltage (Ue) : 380 / 400 / 415 / 660 V  
Rated insulation voltage (Ui) : 660 V  
Rated impulse withstand voltage (Uimp) : 8 kV  
Utilization category : AC-3 and AC-4

**Auxiliary circuit**

Rated frequency : 50 / 60 Hz  
Utilization category : AC-15, DC-13  
Rated operational current (Ie) : AC-15:  
0,95 A at 380 V, 1,6 A at 220 V, 3,3 A at 110 V, 10 A at 36 V

DC-13:

0,15 A at 220 V, 0,3 A at 110 V, 0,92 A at 24 V

Rated uninterrupted current (Iu) : equal to Ie  
Rated conditional short-circuit current : 1 kA, SCPD: fuse RT36-00(NT00), gG 10 A,  
690 V at 50 kA, 500 V at 120 kA

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<b>Product date-type NC1-09</b>	:	
Rated operational current $I_e$ (A)	:	9 A at 380 / 400 / 415 V (AC-3), 3,5 A at 380 / 400 / 415 V (AC-4), 6,6 A at 660 V (AC-3), 1,5 A at 660 V (AC-4)
Conventional thermal current (I <sub>th</sub> )	:	20 A
Rated conditional short-circuit current ("r")	:	1 kA
Rated conditional short-circuit current ("I <sub>q</sub> ")	:	50 kA
Type of co-ordination	:	2
SCPD	:	fuse RT36-00(NT00), gG 20 A, 690 V, 50 kA
<b>Product date-type NC1-12</b>	:	
Rated operational current $I_e$ (A)	:	12 A at 380 / 400 / 415 V (AC-3), 5 A at 380 / 400 / 415 V (AC-4), 8,9 A at 660 V (AC-3), 2 A at 660 V (AC-4)
Conventional thermal current (I <sub>th</sub> )	:	20 A
Rated conditional short-circuit current ("r")	:	1 kA
Rated conditional short-circuit current ("I <sub>q</sub> ")	:	50 kA
Type of co-ordination	:	2
SCPD	:	fuse RT36-00(NT00), gG 20 A, 690 V, 50 kA
<b>Product date-type NC1-18</b>	:	
Rated operational current $I_e$ (A)	:	18 A at 380 / 400 / 415 V (AC-3), 7,7 A at 380 / 400 / 415 V (AC-4), 12 A at 660 V (AC-3), 3,8 A at 660 V (AC-4)
Conventional thermal current (I <sub>th</sub> )	:	32 A
Rated conditional short-circuit current ("r")	:	3 kA
Rated conditional short-circuit current ("I <sub>q</sub> ")	:	50 kA
Type of co-ordination	:	2
SCPD	:	fuse RT36-00(NT00), gG 32 A, 690 V, 50 kA
<b>Product date-type NC1-25</b>	:	
Rated operational current $I_e$ (A)	:	25 A at 380 / 400 / 415 V (AC-3), 8,5 A at 380 / 400 / 415 V (AC-4), 18 A at 660 V (AC-3), 4,4 A at 660 V (AC-4)
Conventional thermal current (I <sub>th</sub> )	:	40 A
Rated conditional short-circuit current ("r")	:	3 kA
Rated conditional short-circuit ("I <sub>q</sub> ")	:	50 kA
Type of co-ordination	:	1
SCPD	:	fuse RT36-00(NT00), gG 40 A, 690 V, 50 kA

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**Product date-type NC1-32** :  
Rated operational current  $I_e$  (A) : 32 A at 380 / 400 / 415 V (AC-3),  
12 A at 380 / 400 / 415 V (AC-4),  
21 A at 660 V (AC-3),  
7,5 A at 660 V (AC-4)  
Conventional thermal current (I<sub>th</sub>) : 50 A  
Rated conditional short-circuit current ("r") : 3 kA  
Rated conditional short-circuit current ("I<sub>q</sub>") : 50 kA  
Type of co-ordination : 1  
SCPD : fuse RT36-00(NT00), gG 50 A, 690 V, 50 kA

**Product date-type NC1-40** :  
Rated operational current  $I_e$  (A) : 40 A at 380 / 400 / 415 V (AC-3),  
18,5 A at 380 / 400 / 415 V (AC-4),  
34 A at 660 V (AC-3),  
9 A at 660 V (AC-4)  
Conventional thermal current (I<sub>th</sub>) : 60 A  
Rated conditional short-circuit current ("r") : 3 kA  
Rated conditional short-circuit current ("I<sub>q</sub>") : 50 kA  
Type of co-ordination : 1  
SCPD : fuse RT36-00(NT00), gG 63 A, 690 V, 50 kA

**Product date-type NC1-50** :  
Rated operational current  $I_e$  (A) : 50 A at 380 / 400 / 415 V (AC-3),  
24 A at 380 / 400 / 415 V (AC-4),  
39 A at 660 V (AC-3),  
12 A at 660 V (AC-4)  
Conventional thermal current (I<sub>th</sub>) : 80 A  
Rated conditional short-circuit current ("r") : 3 kA  
Rated conditional short-circuit current ("I<sub>q</sub>") : 50 kA  
Type of co-ordination : 1  
SCPD : fuse RT36-1(NT1), gG 80 A, 690 V, 50 kA

**Product date-type NC1-65** :  
Rated operational current  $I_e$  (A) : 65 A at 380 / 400 / 415 V (AC-3),  
28 A at 380 / 400 / 415 V (AC-4),  
42 A at 660 V (AC-3),  
14 A at 660 V (AC-4)  
Conventional thermal current (I<sub>th</sub>) : 80 A  
Rated conditional short-circuit current ("r") : 5 kA  
Rated conditional short-circuit current ("I<sub>q</sub>") : 50 kA  
Type of co-ordination : 1  
SCPD : fuse RT36-1(NT1), gG 80 A, 690 V, 50 kA

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<b>Product date-type NC1-80</b>	:	
Rated operational current $I_e$ (A)	:	80 A at 380 / 400 / 415 V (AC-3), 37 A at 380 / 400 / 415 V (AC-4), 49 A at 660 V (AC-3), 17,3 A at 660 V (AC-4)
Conventional thermal current (I <sub>th</sub> )	:	95 A
Rated conditional short-circuit current ("r")	:	5 kA
Rated conditional short-circuit current ("I <sub>q</sub> ")	:	50 kA
Type of co-ordination	:	1
SCPD	:	fuse RT36-1(NT1), gG 100 A, 690 V, 50 kA
<b>Product date-type NC1-95</b>	:	
Rated operational current $I_e$ (A)	:	95 A at 380 / 400 / 415 V (AC-3), 44 A at 380 / 400 / 415 V (AC-4), 49 A at 660 V (AC-3), 21,3 A at 660 V (AC-4)
Conventional thermal current (I <sub>th</sub> )	:	95 A
Rated conditional short-circuit current ("r")	:	5 kA
Rated conditional short-circuit current ("I <sub>q</sub> ")	:	50 kA
Type of co-ordination	:	1
SCPD	:	fuse RT36-1(NT1), gG 125 A, 690 V, 50 kA