

# CERTIFICATE

Issued to:  
Applicant:  
**Zhejiang CHINT Electric Co., Ltd.**  
**No.1, Chint Road, CHINT Industrial Zone, North**  
**Baixiang, Yueqing, Zhejiang Province,**  
**P.R.CHINA**

Manufacturer/Licensee:  
**Zhejiang CHINT Electric Co., Ltd.**  
**No.1, Chint Road, CHINT Industrial Zone, North**  
**Baixiang, Yueqing, Zhejiang Province,**  
**P.R.CHINA**

Product(s) : Electromagnetic contactor  
Trade name(s) : CHINT  
Type(s)/model(s) : NC1-80, NC1-95

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 60947-4-1:2010 + A1:2012; EN 60947-5-1:2004 + A1:2009; IEC 60947-4-1:2009 + A1:2012; IEC 60947-5-1:2003 + A1:2009;
- 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 December 2016 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 3310344.01

DEKRA Certification B.V.



drs. G.J. Zoetbrood  
Managing Director



F.S. Strikwerda  
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE  
DUTCH ACCREDITATION  
COUNCIL



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

product	:	Electromagnetic contactor
trade name(s)	:	CHINT
type(s)	:	NC1-80, NC1-95
General	:	
method of operation	:	Electromagnetic
pollution degree	:	3
main circuit	:	
number of poles	:	3, 4
rated frequency	:	50/60 Hz
rated operational voltage (Ue)	:	380/400/415 Vac, 660/690 Vac
rated insulation voltage (Ui)	:	690 V
rated impulse withstand voltage (Uimp)	:	8 kV
auxiliary circuit	:	
rated frequency	:	50/60 Hz
utilization category	:	AC-15, DC-13
conventional thermal current (Ith)	:	10 A
rated current (Ie)	:	AC-15: 0,95 A at 380 Vac; 1,6 A at 220 Vac; 3,3 A at 110 Vac; 10 A at 36 Vac DC-13: 0,15 A at 220 Vdc; 0,3 A at 110 Vdc; 0,92 A at 24 Vdc
rated uninterrupted current (Iu)	:	AC-15: 0,95 A at 380 Vac; 1,6 A at 220 Vac; 3,3 A at 110 Vac; 10 A at 36 Vac DC-13: 0,15 A at 220 Vdc; 0,3 A at 110 Vdc; 0,92 A at 24 Vdc
rated conditional short-circuit current	:	1 kA with fuse RT36-00 (NT00 gG 10 A 120 kA at 500 Vac)
control circuits	:	
kind of current	:	AC
rated frequency	:	50/60 Hz
rated control supply voltage (Us)	:	24, 48, 110, 220, 380 Vac

**Product data - type NC1-80**

rated operational current $I_e$ (A)	:	80 A at 380/400/415 Vac (AC-3), 37 A at 380/400/415 Vac (AC-4) 49 A at 660/690 Vac (AC-3), 17,3 A at 660/690 Vac (AC-4)
number of main circuit:	:	3 or 4
conventional thermal current (I <sub>th</sub> )	:	110 A or 125 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, 50 kA at 690 Vac

**Product data - type NC1-95**

rated operational current $I_e$ (A)	:	95 A at 380/400/415 Vac (AC-3), 44 A at 380/400/415 Vac (AC-4) 49 A at 660/690 Vac (AC-3), 21,3 A at 660/690 Vac (AC-4)
number of main circuit:	:	3 or 4
conventional thermal current (I <sub>th</sub> )	:	110 A or 125 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, 50 kA at 690 Vac

**Additional information**

Nomenclature breakdown

NC1-abcd

a= Rated operational current at AC-3, 380/400/415 Vac

b= Number of auxiliary contacts

11=1NO+1NC, 4P contactor has no auxiliary contact (omitted)

c= Number of main contacts

04=4NO; 08= 2NO+2NC, omitted for 3NO

d= I<sub>th</sub>, it is 110 or 125

**TESTS****Test requirements**

EN 60947-4-1:2010 + A1:2012  
EN 60947-5-1:2004 + A1:2009  
IEC 60947-4-1:2009 + A1:2012  
IEC 60947-5-1:2003 + A1:2009

**Test result**

The test results are laid down in DEKRA test file 3310344.01 and test reports No. 3310344.50, 3301043.50 and 3301043.51.

**Remarks**

This certificate replaces the KEMA-KEUR certificate no. 2137361.01 issued on 2010-08-30.

**Conclusion**

The examination proved that all test requirements were met.

Tested by : Max Ma



Checked by : Eric Wang

**Factory locations**

Zhejiang CHINT Electrics Co., Ltd.  
No.1, Chint Road, CHINT Industrial Zone, North Baixiang, Yueqing, Zhejiang Province, P.R.CHINA