

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) : NC1-09, NC1-12, NC1-18

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 October 2016 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 3310341.01

DEKRA Certification B.V.

drs. G.J. Zoetbrood
Managing Director

F.S. Strikwerda
Certification Manager

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

| | | |
|---|---|--|
| product | : | Electromagnetic Contactor |
| trade name(s) | : | CHINT |
| type(s) | : | NC1-09, NC1-12, NC1-18 |
| 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 | : | 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 |
| rated uninterrupted current (Iu) | : | DC-13: 0,15 A at 220 Vdc; 0,3 A at 110 Vdc; 0,92 A at 24 Vdc; 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 |
| rated conditional short-circuit current | : | DC-13: 0,15 A at 220 Vdc; 0,3 A at 110 Vdc; 0,92 A at 24 Vdc 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 NC1-09

| | | |
|---|---|--|
| rated operational current I_e (A) | : | 9 A at 380/400/415 Vac (AC-3), 3,5 A at 380/400/415 Vac (AC-4) 6,6 A at 660/690 Vac (AC-3), 1,5 A at 660/690 Vac (AC-4) |
| number of main circuit: | : | 3 or 4 |
| conventional thermal current (I_{th}) | : | 25 A |
| rated conditional short-circuit current ("r") | : | 1 kA |
| rated conditional short-circuit current ("I _q ") | : | 50 kA |
| type of co-ordination | : | 2 |
| SCPD | : | Fuse RT36-00(NT00), gG 20 A, 50 kA at 690 Vac |

Product data - type NC1-12

| | | |
|---|---|---|
| rated operational current I_e (A) | : | 12 A at 380/400/415 Vac (AC-3), 5 A at 380/400/415 Vac (AC-4) 8,9 A at 660/690 Vac (AC-3), 2 A at 660/690 Vac (AC-4) |
| number of main circuit: | : | 3 or 4 |
| conventional thermal current (I_{th}) | : | 25 A |
| rated conditional short-circuit current ("r") | : | 1 kA |
| rated conditional short-circuit current ("I _q ") | : | 50 kA |
| type of co-ordination | : | 2 |
| SCPD | : | Fuse RT36-00(NT00), gG 20 A, 50 kA at 690 Vac |

Product data - type NC1-18

| | | |
|---|---|---|
| rated operational current I_e (A) | : | 18 A at 380/400/415 Vac (AC-3), 7,7 A at 380/400/415 Vac (A-4) 12 A at 660/690 Vac (AC-3), 3,8 A at 660/690 Vac (AC-4) |
| number of main circuit: | : | 3 |
| conventional thermal current (I_{th}) | : | 32 A |
| rated conditional short-circuit current ("r") | : | 3 kA |
| rated conditional short-circuit current ("I _q ") | : | 50 kA |
| type of co-ordination | : | 2 |
| SCPD | : | Fuse RT36-00(NT00), gG 32 A, 50 kA at 690 Vac |

Additional information

Nomenclature breakdown

NC1-abc

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

b= Number of auxiliary contacts

01=0NO+1NC; 10=1NO+0NC, 4P contactor has no auxiliary contact (omitted)

c= Number of main contacts

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

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 3310341.01 and test reports No. 3310341.50, 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