



# CB TEST CERTIFICATE

Ref. Certificate No.

NL-34554

## IEC SYSTEM OF CONFORMITY ASSESSMENT SCHEMES FOR ELECTROTECHNICAL EQUIPMENT AND COMPONENTS (IECEE) CB SCHEME

|  |   |   |       |
|--|---|---|-------|
| Issued by:   | DEKRA Certification B.V.  |   |       |
| Product:   | Electromagnetic contactor   |   |       |
| Applicant:   | Zhejiang CHINT Electrics Co., Ltd   | No.1, Chint Road, CHINT Industrial Zone, North Baixiang, Yueqing, Zhejiang Province | China |
| Manufacturer:  | Zhejiang CHINT Electrics Co., Ltd   | No.1, Chint Road, CHINT Industrial Zone, North Baixiang, Yueqing, Zhejiang Province | China |
| Factory:   | Zhejiang CHINT Electrics Co., Ltd   | No.1, Chint Road, CHINT Industrial Zone, North Baixiang, Yueqing, Zhejiang Province | China |
| Rating and principal characteristics:                  | <p>Main circuit: 50/60 Hz, <math>U_i=690</math> V, <math>U_{imp}=6</math> kV<br/>NC8-25: 25 A at 220/230/240, 380/400/415 Vac (AC-3 and AC-4), 17,3 A at 660/690 Vac (AC-3), 14 A at 660/690 Vac (AC-4)<br/>NC8-32: 32 A at 220/230/240, 380/400/415 Vac (AC-3 and AC-4), 21,9 A at 660/690 Vac (AC-3), 17,3 A at 660/690 Vac (AC-4)<br/>NC8-38: 38 A at 220/230/240, 380/400/415 Vac (AC-3), 38 A at 220/230/240 Vac (AC-4), 32 A at 380/400/415 Vac (AC-4)<br/>21,9 A at 660/690 Vac (AC-3), 17,3 A at 660/690 Vac (AC-4)<br/>Aux. circuit:<br/>lth 10 A, 50/60 Hz, AC-15: 0,95 A at 415 Vac, DC-13: 0,27 A at 250 Vdc<br/>Control circuit:<br/>24, 110, 127, 220/230, 240, 380/400, 415 Vac, 50/60 Hz<br/>24, 48, 110, 220 Vdc</p> |   |       |
| Trade mark (if any):                                   | CHINT   |   |       |
| Model/Type reference:                                  | NC8-25, NC8-32, NC8-38  |   |       |
| Additional information:                                |   |   |       |
| Sample of product tested to be in conformity with IEC: | 60947-4-1(ed.3);am1<br>60947-5-1(ed.3);am1  |   |       |
| Test Report Ref. No:                                   | 3307299.50  |   |       |

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

DEKRA Certification B.V.  
Meander 1051, 6825 MJ  
Arnhem  
The Netherlands

Signed by: F.S.Strikwerda

Date of issue: 2015-04-09



**Product data**

|   |   |  |
|---|---|--|
| product                                 | : | Electromagnetic contactor  |
| trade name(s)                           | : | CHINT  |
| type(s)                                 | : | NC8-25, NC8-32, NC8-38   |
| General                                 | : |  |
| method of operation                     | : | Electromagnetic  |
| pollution degree                        | : | 3  |
| main circuit                            | : |  |
| number of poles                         | : | 3, 4   |
| rated frequency                         | : | 50/60 Hz   |
| rated operational voltage (Ue)          | : | 220/230/240 Vac; 380/400/415 Vac and 660/690 Vac                     |
| rated insulation voltage (Ui)           | : | 690 V  |
| rated impulse withstand voltage (Uimp)  | : | 6 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, 415 Vac; DC-13: 0,27 A, 250 Vdc                       |
| rated uninterrupted current (Iu)        | : | AC-15: 0,95 A, 415 Vac; DC-13: 0,27 A, 250 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, DC   |
| rated frequency                         | : | 50/60 Hz   |
| rated control supply voltage (Us)       | : | 24, 110, 127, 220/230, 240, 380/400, 415 Vac<br>24, 48, 110, 220 Vdc |

**Additional information**

Nomenclature breakdown

NC8-ab/c/d/e

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

b= Number of auxiliary contacts

11=1NO+1NC; 22=2NO+2NC, 4P contactor has no auxiliary contact (omitted)

c= Number of main contacts

Nil=3NO; 4=4NO; 22= 2NO+2NC

d= Z: coil is DC, B is general type (omitted)

e= N means the reversing type, Nil means not reversing

**Product data - type NC8-25**

|   |   |  |
|---|---|--|
| rated operational current $I_e$ (A)                         | : | 25 A at 220/230/240, 380/400/415 Vac (AC-3 and AC-4)<br>17,3 A at 660/690 Vac (AC-3), 14 A at 660/690 Vac (AC-4) |
| conventional thermal current ( $I_{th}$ )                   | : | 40 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, 50 kA at 690 Vac  |
| Terminal  | : | Rigid or copper conductor with cable lug<br>Largest: 10 mm <sup>2</sup> /2, smallest: 2,5 mm <sup>2</sup> /2     |

**Product data - type NC8-32**

|   |   |  |
|---|---|--|
| rated operational current $I_e$ (A)                         | : | 32 A at 220/230/240, 380/400/415 Vac (AC-3 and AC-4)<br>21,9 A at 660/690 Vac (AC-3), 17,3 A at 660/690 Vac (AC-4) |
| conventional thermal current ( $I_{th}$ )                   | : | 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, 50 kA at 690 Vac  |
| Terminal  | : | Rigid or copper conductor with cable lug<br>Largest: 10 mm <sup>2</sup> /2, smallest: 2,5 mm <sup>2</sup> /2       |

**Product data - type NC8-38**

|   |   |   |
|---|---|---|
| rated operational current $I_e$ (A)                         | : | 38 A at 220/230/240, 380/400/415 Vac (AC-3)<br>38 A at 220/230/240 Vac (AC-4), 32 A at 380/400/415 Vac (AC-4)<br>21,9 A at 660/690 Vac (AC-3), 17,3 A at 660/690 Vac (AC-4) |
| conventional thermal current ( $I_{th}$ )                   | : | 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, 50 kA at 690 Vac   |
| Terminal  | : | Rigid or copper conductor with cable lug<br>Largest: 10 mm <sup>2</sup> /2, smallest: 2,5 mm <sup>2</sup> /2  |