



CB TEST CERTIFICATE

Ref. Certificate No.

NL-36737

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

| | | | |
|--|--|---|-------|
| Issued by: | DEKRA Certification B.V. | | |
| Product: | Moulded-Case Circuit Breaker | | |
| 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.1318, Binhai No.2 Avenue, Economic and Technical Development Zone, Wenzhou City, Zhejiang Province | China |
| Rating and principal characteristics: | Ue: 220 / 230 / 240 / 380 / 400 / 415 / 660 / 690 Vac In: 400 A, 500 A, 630 A, 50 / 60 Hz Ui: 800 Vac, Uimp: 8 kV, 3P and 4P (unprotected N pole) Icu: 100 kA at 240 Vac, 70 kA at 15 Vac, 15 kA at 690 Vac for R series 85 kA at 240 Vac, 50 kA at 415 Vac, 15 kA at 690 Vac for H series 50 kA at 240 Vac, 35 kA at 415 Vac, 12 kA at 690 Vac for S series Ics = 50% Icu See annex for further ratings | | |
| Trade mark (if any): | CHINT | | |
| Model/Type reference: | NM1-630R, NM1-630H, NM1-630S | | |
| Additional information: | This certificate is based on and replaces the certificate no. NL-18991 issued on 2010-09-20. | | |
| Sample of product tested to be in conformity with IEC: | 60947-2(ed.4);am1;am2 | | |
| Test Report Ref. No: | 3307675.50 | | |

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: 2015-07-20



Ratings:

| | |
|--|---|
| number of poles | : 3P and 4P (unprotected N pole) |
| protected pole | : 3 |
| rated operational voltage (Ue) | : 220 / 230 / 240 / 380 / 400 / 415 / 660 / 690 Vac |
| rated insulation voltage (Ui) | : 800 Vac |
| rated impulse withstand voltage (Uimp) | : 8 kV |
| rated current (In) | : 400 A, 500 A, 630 A |
| rated operational current (Ie) | : Equal to In |
| conventional thermal current (Ith) | : Equal to In |
| current rating for four-pole circuit-breakers | : Equal to In |
| rated frequency | : 50 / 60 Hz |
| reference temperature | : 40 °C |
| rated ultimate short-circuit breaking capacity (Icu) | : 100 kA at 220 / 230 / 240 Vac, 70 kA at 380 / 400 / 415 Vac, 15 kA at 660 / 690 Vac for R series 85 kA at 220 / 230 / 240 Vac, 50 kA at 380 / 400 / 415 Vac, 15 kA at 660 / 690 Vac for H series 50 kA at 220 / 230 / 240 Vac, 35 kA at 380 / 400 / 415 Vac, 12 kA at 660 / 690 Vac for S series |
| rated service short-circuit breaking capacity (Ics) | : Ics = 50% Icu |
| suitable for isolation | : Suitable |
| utilization category | : A |
| safety distance (screen-circuit breaker) | : Front / Back: 0 mm, Left / Right: 100 mm, Up / Down: 100 mm |
| instantaneous release | : Magnetic type, fixed, 2 poles in series: $I_i = 10 I_n$ single pole: $12 I_n$ |
| time setting of the instantaneous release | : Fixed |
| inverse time delay release | : Thermal type, fixed, |
| time setting of the inverse time delay release | : Fixed Trip time at $2 I_n$: $120 \text{ s} \leq t \leq 840 \text{ s}$ |
| EMC environment | : A and B |
| Individual pole short-circuit breaking capacity (I _{su}) | : N/A |
| Individual pole short-circuit breaking capacity (I _{IT}) | : N/A |
| line/load terminal | : Marked |
| connection | : Copper conductor with cable lug |

Additional information:

Nomenclature breakdown:

NM1-630x/y300

a b c d

a = Model name: NM1

b = Frame size: 630

c = short-circuit capacity, 'R', 'H' or 'S'

d = pole numbers, '4' means 4P MCCBs, '3' means 3P MCCBs