



# CB TEST CERTIFICATE

Ref. Certificate No.

NL-36813

## 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: 630 A, 700 A, 800 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, 20 kA at 690 Vac for R series 85 kA at 240 Vac, 60 kA at 415 Vac, 20 kA at 690 Vac for H series 65 kA at 240 Vac, 50 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:	NM1-800R, NM1-800H, NM1-800S		
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:	3307676.50		

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: 2015-07-15



**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)	: 630 A, 700 A, 800 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, 20 kA at 660 / 690 Vac for R series 85 kA at 220 / 230 / 240 Vac, 60 kA at 380 / 400 / 415 Vac, 20 kA at 660 / 690 Vac for H series 65 kA at 220 / 230 / 240 Vac, 50 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 <sub>su</sub> )	: N/A
Individual pole short-circuit breaking capacity (I <sub>IT</sub> )	: N/A
line/load terminal connection	: Marked Copper conductor with cable lug

**Additional information**

Nomenclature breakdown:

 NM1-800x/y300  
 a b c d

 a = Model name: NM1  
 b = Frame size: 800

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

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