

ATTESTATION OF CONFORMITY

Issued to: Zhejiang Chint Electric Co., Ltd.
No.1, Chint Road, Chint Industrial Zone, North Baixiang, Yueqing, 325603 Zhejiang, China

For the product: Moulded-case circuit-breaker

Trade name: CHINT

Type/Model: NM8NDC-630B, NM8NDC-630C, NM8NDC-630S, NM8NDC-630Q, NM8NDC-630H, NM8NDC-400B, NM8NDC-400C, NM8NDC-400S, NM8NDC-400Q and NM8NDC-400H

Ratings: Ue: 1000 Vdc for 4P, 750 Vdc for 3P,
In: 250 A, 315 A, 350 A, 400 A, 500 A

See annex for further ratings

Manufactured by: Zhejiang Chint Electric Co., Ltd.
No.1, Chint Road, Chint Industrial Zone, North Baixiang, Yueqing, 325603 Zhejiang, China

Requirements: BS EN 60947-2:2017+A1:2020, BS EN 60947-5-1:2017

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a test reports no. 3321431.50 issued on 2022-03-25, CQC CB test report no. 00901-CB2018CQC-084130 issued on 2019-03-25 with CB test certificate no. CN46412 issued on 2019-04-09 and CQC CB test report no. 00901-CB2018CQC-084130-M1 issued on 2019-06-06 with CB test certificate no. CN46412-M1 issued on 2019-06-18.

This Attestation implies that the examined types are in accordance with the standards designated under the Electrical Equipment (Safety) Regulations 2016.

The examination has been carried out on one single specimen or several specimens of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

The UKCA marking may be affixed on the product if all relevant and effective UK regulations are complied with.

Wenzhou, Zhejiang, 7 April 2022

Number: 3321431.02A

DEKRA Testing Services (Zhejiang) Co., Ltd

Ms J Guo
Certification Manager

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UK
CA

Annex

Document no.	: Attestation Number 3321431.02A
Ratings	
Number of poles	: 3P and 4P
Rated operational voltage (Ue)	: 1000 Vdc for 4P, 750 Vdc for 3P
Rated insulation voltage (Ui)	: 1000 V for main circuit 500 V for shunt release and under-voltage release 500 V for electric operating mechanism 500 V for auxiliary circuit
Rated impulse withstand voltage (Uimp)	: 12 kV for main circuit 2,5 kV for shunt release and under-voltage release 6 kV for electric operating mechanism 2,5 kV for auxiliary circuit
Conventional thermal current (Ith) Suitable for photovoltaic (PV) systems	: Equal to In Suitable
Suitable for isolation	: Suitable
Selectivity category	: A
Safety distance (screen-circuit breaker)	: Front / back: 0 mm Left / right: 0 mm Up / down: 0 mm
Reference temperature	: 40 °C
Method of mounting	: Fixed
EMC Environment	: A
Tightening torque for terminals	: 25,0 Nm for M10
Line/load terminal	: Immaterial
Connection	: copper conductor with cable lug
Inverse time delay release	: Ir (inverse time delay tripping setting): Ir: (0,7 / 0,8 / 0,9 / 1) x In
Time setting of the inverse time delay release	: Fixed, trip time at 2 In: 60 s ≤ t ≤ 600 s
Instantaneous release	: Ii (instantaneous tripping setting): Ii: (5 / 6 / 7 / 8 / 9 / 10) x In
Shunt release	: SHT22-M8: AC: 48 V, 110 V, 220 - 240 V, 380 - 415 V, 50 / 60 Hz DC: 24 V, 48 V, 110 - 120 V, 220 V
Under-voltage release	: UVT22-M8: AC: 48 V, 110 V, 220 - 240 V, 380 - 415 V, 50 / 60 Hz DC: 24 V, 48 V, 110 - 120 V, 220 V
Electric operating mechanism	: MOD23-M8: AC: 110 V, 220 - 240 V, 380 - 415 V, 50 / 60 Hz DC: 24 V, 110 V, 220 V
Auxiliary circuits	: AX21-M8 / AL21-M8 1 NO and 1 NC AC-15: 2 A at 415 Vac, 4 A at 240 Vac, 5 A at 110 Vac DC-13: 0,25 A at 110 Vdc / 220 Vdc Ui: 500 V, Uimp: 2,5 kV Rated conditional short-circuit current: 1 kA Fuse: RL6-25/6, 6 A, 500 Vac, 50 kA, Schneider

Product rating - NM8NDC-630B

Rated current (In)	: 250 A, 315 A, 350 A, 400 A, 500 A
Rated ultimate short-circuit breaking capacity (Icu)	: 25 kA at 1000 Vdc for 4P, 25 kA at 750 Vdc for 3P
Rated service short-circuit breaking capacity (Ics)	: 25 kA at 1000 Vdc for 4P, 25 kA at 750 Vdc for 3P

Product rating - NM8NDC-630C

Rated current (In)	: 250 A, 315 A, 350 A, 400 A, 500 A
Rated ultimate short-circuit breaking capacity (Icu)	: 36 kA at 1000 Vdc for 4P, 36 kA at 750 Vdc for 3P
Rated service short-circuit breaking capacity (Ics)	: 36 kA at 1000 Vdc for 4P, 36 kA at 750 Vdc for 3P

Product rating - NM8NDC-630S

Rated current (In)	: 250 A, 315 A, 350 A, 400 A, 500 A
Rated ultimate short-circuit breaking capacity (Icu)	: 50 kA at 1000 Vdc for 4P, 50 kA at 750 Vdc for 3P,
Rated service short-circuit breaking capacity (Ics)	: 50 kA at 1000 Vdc for 4P, 50 kA at 750 Vdc for 3P

Product rating - NM8NDC-630Q

Rated current (In)	: 250 A, 315 A, 350 A, 400 A, 500 A
Rated ultimate short-circuit breaking capacity (Icu)	: 70 kA at 1000 Vdc for 4P, 70 kA at 750 Vdc for 3P
Rated service short-circuit breaking capacity (Ics)	: 70 kA at 1000 Vdc for 4P, 70 kA at 750 Vdc for 3P,

Product rating - NM8NDC-630H

Rated current (In)	: 250 A, 315 A, 350 A, 400 A, 500 A
Rated ultimate short-circuit breaking capacity (Icu)	: 100 kA at 1000 Vdc for 4P, 100 kA at 750 Vdc for 3P
Rated service short-circuit breaking capacity (Ics)	: 100 kA at 1000 Vdc for 4P, 100 kA at 750 Vdc for 3P

Product rating - NM8NDC-400B

Rated current (In)	: 250 A, 315 A, 350 A, 400 A
Rated ultimate short-circuit breaking capacity (Icu)	: 25 kA at 1000 Vdc for 4P, 25 kA at 750 Vdc for 3P
Rated service short-circuit breaking capacity (Ics)	: 25 kA at 1000 Vdc for 4P, 25 kA at 750 Vdc for 3P

Product rating - NM8NDC-400C

Rated current (In)	: 250 A, 315 A, 350 A, 400 A
Rated ultimate short-circuit breaking capacity (Icu)	: 36 kA at 1000 Vdc for 4P, 36 kA at 750 Vdc for 3P
Rated service short-circuit breaking capacity (Ics)	: 36 kA at 1000 Vdc for 4P, 36 kA at 750 Vdc for 3P

Product rating - NM8NDC-400S

Rated current (In)	: 250 A, 315 A, 350 A, 400 A
Rated ultimate short-circuit breaking capacity (Icu)	: 50 kA at 1000 Vdc for 4P, 50 kA at 750 Vdc for 3P,
Rated service short-circuit breaking capacity (Ics)	: 50 kA at 1000 Vdc for 4P, 50 kA at 750 Vdc for 3P

Product rating - NM8NDC-400Q

Rated current (In) : 250 A, 315 A, 350 A, 400 A
 Rated ultimate short-circuit breaking capacity (Icu) : 70 kA at 1000 Vdc for 4P,
 70 kA at 750 Vdc for 3P
 Rated service short-circuit breaking capacity (Ics) : 70 kA at 1000 Vdc for 4P,
 70 kA at 750 Vdc for 3P,

Product rating - NM8NDC-400H

Rated current (In) : 250 A, 315 A, 350 A, 400 A
 Rated ultimate short-circuit breaking capacity (Icu) : 100 kA at 1000 Vdc for 4P,
 100 kA at 750 Vdc for 3P
 Rated service short-circuit breaking capacity (Ics) : 100 kA at 1000 Vdc for 4P,
 100 kA at 750 Vdc for 3P

Additional information

NM8N DC – 630 C TM 500 4

a b c d e f g

a = model name: 'NM8N'

b = direct current: 'DC'

c = frame size: '630' or '400'

d = short-circuit capacity: 'B', 'C', 'S', 'Q' or 'H'

e = trip unit: 'TM' means thermal magnetic type

f = rated current: 250 A, 315 A, 350 A, 400 A, 500 A

g = number of poles: '4' means 4P, '3' means 3P

Accessory type	Model
Auxiliary circuit	AX21-M8 / AL21-M8
Shunt release	SHT22-M8
Under-voltage release	UVT22-M8
Electric operating mechanism	MOD23-M8
Rotation handle	DRH23-M8

End