ATTESTATION OF CONFORMITY

Issued to:	Zhejiang Chint Electrics 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-125B, NM8NDC-125C, NM8NDC-125S, NM8NDC-125Q, NM8NDC-125H
Ratings:	Ue: 1000 Vdc for 4P, 750 Vdc for 3P, 500 Vdc for 2P, 250 Vdc for 1P In: 16 A, 20 A, 25 A, 32 A, 40 A, 50 A, 63 A, 80 A, 100 A, 125 A See annex for further ratings
Manufactured by:	Zhejiang Chint Electrics Co., Ltd. No.1, Chint Road, Chint Industrial Zone, North Baixiang, Yueqing, 325603 Zhejiang, China
Subject:	Type test
Requirements:	EN 60947-2:2017, EN 60947-2:2017/A1:2020, EN 60947-5-1:2017, IEC 60947-2:2016, IEC 60947-2:2016/A1:2019, IEC 60947-5-1:2016
Remark:	This attestation replaces no. 3316505.01A issued on 2019-11-14.

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a test reports no. 3321421.50 issued on 2022-03-25, 3321421.51 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 Low voltage directive (LVD) 2014/35/EU.

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 CE marking may be affixed on the product if all relevant and effective EC directives are complied with.
Wenzhou, Zhejiang, 01 April 2022 Number: 3321421.01A

DEKRA Testing Services (Zhejiang) Co., Ltd.

Ms J Guo
Certification Manager

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Ratings

Rated insulation voltage (Ui)	:	1000 V for main circuit 500 V for shunt release and under-voltage release (2P, 3P and 4P) 500 V for electric operating mechanism (3P and 4P) 500 V for auxiliary circuit (2P, 3P and 4P)
Rated impulse withstand voltage (Uimp)	:	8 kV for main circuit 2,5 kV for shunt release and under-voltage release (2P, 3P and 4P) 6 kV for electric operating mechanism (3P and 4P) 2,5 kV for auxiliary circuit (2P, 3P and 4P)
Rated current (In)	:	16 A, 20 A, 25 A, 32 A, 40 A, 50 A, 63 A, 80 A, 100 A, 125 A
Conventional thermal current (Ith)	:	Equal to In
Suitable for photovoltaic (PV) systems		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	:	6,0 Nm for M6
Line/load terminal	:	Immaterial
Connection	:	copper conductor with cable lug
Inverse time delay release	:	For thermal magnetic type for 2P, 3P and 4P: Ir: (0,7 / 0,8 / 0,9 / 1,0) x In For thermal magnetic type for 1P: Ir: 1,0 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: 10 In
Shunt release	:	SHT21-M8 for 2P, 3P and 4P: 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	:	UVT21-M8 for 2P, 3P and 4P: 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	:	MOD21-M8 for 3P and 4P 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 for 2P, 3P and 4P 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 220 Vdc / 110 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-125B

Number of poles	:	1P, 2P, 3P and 4P
Rated operational voltage (Ue)	:	1000 Vdc for 4P, 750 Vdc for 3P, 500 Vdc for 2P, 250 Vdc for 1P
Rated ultimate short-circuit breaking capacity (Icu)	:	25 kA at 1000 Vdc for 4P, 25 kA at 750 Vdc for 3P, 25 kA at 500 Vdc for 2P, 25 kA at 250 Vdc for 1P
Rated service short-circuit breaking capacity (Ics)	:	25 kA at 1000 Vdc for 4P, 25 kA at 750 Vdc for 3P, 25 kA at 500 Vdc for 2P, 25 kA at 250 Vdc for 1P

Product rating - NM8NDC-125C

Number of poles	:	1P, 2P, 3P and 4P
Rated operational voltage (Ue)	:	1000 Vdc for 4P, 750 Vdc for 3P, 500 Vdc for 2P, 250 Vdc for 1P
Rated ultimate short-circuit breaking capacity (Icu)	:	36 kA at 1000 Vdc for 4P, 36 kA at 750 Vdc for 3P, 36 kA at 500 Vdc for 2P, 36 kA at 250 Vdc for 1P
Rated service short-circuit breaking capacity (Ics)	:	36 kA at 1000 Vdc for 4P, 36 kA at 750 Vdc for 3P, 36 kA at 500 Vdc for 2P, 36 kA at 250 Vdc for 1P

Product rating - NM8NDC-125S

Number of poles	:	1P, 2P, 3P and 4P
Rated operational voltage (Ue)	:	1000 Vdc for 4P, 750 Vdc for 3P, 500 Vdc for 2P, 250 Vdc for 1P
Rated ultimate short-circuit breaking capacity (Icu)	:	50 kA at 1000 Vdc for 4P, 50 kA at 750 Vdc for 3P, 50 kA at 500 Vdc for 2P, 50 kA at 250 Vdc for 1P
Rated service short-circuit breaking capacity (Ics)	:	50 kA at 1000 Vdc for 4P, 50 kA at 750 Vdc for 3P, 50 kA at 500 Vdc for 2P, 50 kA at 250 Vdc for 1P

Product rating - NM8NDC-125Q

Number of poles	:	2P, 3P and 4P
Rated operational voltage (Ue)	:	1000 Vdc for 4P, 750 Vdc for 3P, 500 Vdc for 2P
Rated ultimate short-circuit breaking capacity (Icu)	:	70 kA at 1000 Vdc for 4P, 70 kA at 750 Vdc for 3P, 70 kA at 500 Vdc for 2P
Rated service short-circuit breaking capacity (Ics)	:	70 kA at 1000 Vdc for 4P, 70 kA at 750 Vdc for 3P, 70 kA at 500 Vdc for 2P

Product rating - NM8NDC-125H

Number of poles	:	2P, 3P and 4P
Rated operational voltage (Ue)	:	1000 Vdc for 4P, 750 Vdc for 3P, 500 Vdc for 2P
Rated ultimate short-circuit breaking capacity (Icu)	:	100 kA at 1000 Vdc for 4P, 100 kA at 750 Vdc for 3P, 100 kA at 500 Vac for 2P
Rated service short-circuit breaking capacity (Ics)	:	100 kA at 1000 Vdc for 4P, 100 kA at 750 Vdc for 3P, 100 kA at 500 Vac for 2P

Additional information

NM8N DC – 125 C TM 125 4

a b c d e f g

a = model name: 'NM8N'

b = direct current: 'DC'

c = frame size: '125'

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

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

f = rated current: 16 A, 20 A, 25 A, 32 A, 40 A, 50 A, 63 A, 80 A, 100 A, 125 A

g = number of poles: '4' means 4P, '3' means 3P, '2' means 2P, '1' means 1P

Accessory type	Model
Auxiliary circuit	AX21-M8 / AL21-M8 (2P, 3P and 4P)
Shunt release	SHT21-M8 (2P, 3P and 4P)
Under-voltage release	UVT21-M8 (2P, 3P and 4P)
Electric operating mechanism	MOD21-M8 (3P and 4P)
Rotation handle	DRH21-M8 (3P and 4P)