

# 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: NM8N-630C, NM8N-630S, NM8N-630Q, NM8N-630H, NM8N-630R, NM8N-400C, NM8N-400S, NM8N-400Q, NM8N-400H and NM8N-400R

Ratings: Ue: 380 Vac / 400 Vac / 415 Vac, 440 Vac, 500 Vac, 525 Vac, 660 Vac / 690 Vac, 50 / 60 Hz,  
In: 250 A, 315 A, 350 A, 400 A, 500 A, 630 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

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. 3321433.50 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, 11 April 2022

Number: 3321433.02A

DEKRA Testing Services (Zhejiang) Co., Ltd

Ms J Guo  
Certification Manager

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UK  
CA

# Annex

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Document no.                                   | : Attestation Number 3321433.02A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Ratings</b>                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Number of poles                                | : 3P and 4P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Protected poles                                | : 3 or 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Rated operational voltage (Ue)                 | : 380 Vac / 400 Vac / 415 Vac, 440 Vac, 500 Vac, 525 Vac, 660 Vac / 690 Vac<br>1000 V for main circuit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Rated insulation voltage (Ui)                  | : 500 V for control circuit<br>500 V for auxiliary circuit<br>12 kV for main circuit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Rated impulse withstand voltage (Uimp)         | : 2,5 kV for shunt release and under-voltage release<br>6 kV for electric operating mechanism<br>2,5 kV for auxiliary circuit                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Rated frequency                                | : 50 / 60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Conventional thermal current (Ith)             | : Equal to In                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Current rating for four-pole circuit-breakers  | : 0,5 In, 1,0In, OFF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| rated short-time withstand current (Icw)       | : $I_n \leq 400 \text{ A}$ : 5 kA - 1 s,<br>$I_n > 400 \text{ A}$ , 8 kA - 1 s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Suitable for isolation                         | : Suitable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Selectivity category                           | : B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Safety distance (screen-circuit breaker)       | : Front / back: 0 mm<br>Left / right: 0 mm<br>Up / down: 0 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Method of mounting                             | : plug-in or fixed or withdrawable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| EMC Environment                                | : A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Tightening torque for terminals                | : 25,0 Nm for M10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Line/load terminal Connection                  | : Immaterial<br>copper conductor with cable lug                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Inverse time delay release                     | : Ir (inverse time delay tripping setting):<br>For trip unit: EN:<br>(0,4 / 0,5 / 0,6 / 0,7 / 0,8 / 0,9 / 0,95 / 1) x In<br>For trip unit: ENM:<br>(0,4 / 0,5 / 0,6 / 0,7 / 0,8 / 0,9 / 1) x In<br>For trip unit: EM and EMM:<br>(0,4 - 1) x In,<br>in steps of 1 A                                                                                                                                                                                                                                                                                                                          |
| Time setting of the inverse time delay release | : tr (inverse time delay tripping setting):<br>For trip unit: EN:<br>3 / 6 / 12 / 18 s, with tolerance of $\pm 10\%$ (at 6 Ir)<br>For trip unit: EM:<br>3 s - 18 s, with tolerance of $\pm 10\%$ (at 6 Ir)<br>in steps of 1 s,<br>For trip unit: ENM and EMM:<br>4 / 8 / 16 / 24 s, with tolerance of $\pm 10\%$ (at 7,2 Ir)<br>2 Ir tripping time declared by the manufacturer:<br>For trip unit: EN and EM:<br>when tr = 3 s: 24,3 s - 29,7 s<br>when tr = 18 s: 145,8 s - 178,2 s<br>For trip unit: ENM and EMM:<br>when tr = 4 s: 46,66 s - 57,0 s<br>when tr = 24 s: 279,9 s - 342,14 s |



|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Short time delay release                     | : Isd (short time delay current setting):<br>For trip unit: EN:<br>(1,5 / 2,0 / 3,0 / 4,0 / 6,0 / 8,0 / 10) x Ir, OFF<br>For trip unit: ENM:<br>(5,0 / 6,0 / 8,0 / 9,0 / 10 / 11 / 12) x Ir, OFF<br>For trip unit: EM:<br>(1,5 - 10) x Ir, OFF,<br>in steps of 1 A,<br>For trip unit: EMM:<br>(4,0 - 12) x Ir, OFF,<br>in steps of 1 A, For trip unit: EMM:<br>(4,0 - 12) x Ir, OFF,<br>in steps of 1 A                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Time setting of the short time delay release | tsd (short time delay time setting):<br>For trip unit: EN:<br>I <sup>2</sup> t off: 0,1 s / 0,2 s / 0,3 s / 0,4 s<br>0,1 s, with tolerance of 60 ms - 140 ms<br>0,2 s, with tolerance of 160 ms - 240 ms<br>0,3 s, with tolerance of 240 ms - 360 ms<br>0,4 s, with tolerance of 320 ms - 480 ms<br>For trip unit: EM:<br>in steps of 0,1 s,<br>I <sup>2</sup> t off: 0,1 s / 0,2 s / 0,3 s / 0,4 s<br>0,1 s, with tolerance of 60 ms - 140 ms<br>0,2 s, with tolerance of 160 ms - 240 ms<br>0,3 s, with tolerance of 240 ms - 360 ms<br>0,4 s, with tolerance of 320 ms - 480 ms<br>For trip unit: ENM and EMM:<br>I <sup>2</sup> t off: 0,1 s<br>0,1 s, with tolerance of 60 ms - 140 ms<br>For trip unit: EN and EM:<br>0,1 s: 60 ms<br>0,2 s: 160 ms<br>0,3 s: 240 ms<br>0,4 s: 320 ms<br>For trip unit: ENM and EMM:<br>0,1 s: 60 ms |
| Instantaneous release                        | : Ii (instantaneous current setting):<br>For trip unit: EN:<br>(2,0 / 3,0 / 4,0 / 6,0 / 8,0 / 10 / 12) x In, OFF<br>For trip unit: ENM:<br>15 x In,<br>For trip unit: EM:<br>(1,5 - 12) x In, OFF,<br>in steps of 1 A,<br>For trip unit: EMM:<br>15 x In                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Ground fault release                         | : Ig (Ground fault release)<br>Current setting Ig:<br>For trip unit: EM and EMM:<br>Ig: (0,4 / 0,5 / 0,6 / 0,7 / 0,8 / 0,9 / 1,0) x In, OFF,<br>tg (time setting):<br>I <sup>2</sup> t off: 0,1 s / 0,2 s / 0,3 s / 0,4 s<br>0,1 s, with tolerance of 60 ms - 140 ms<br>0,2 s, with tolerance of 160 ms - 240 ms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Shunt release                                | : SHT22-M8:<br>AC: 48 V, 110 V, 220 - 240 V, 380 - 415 V, 50 / 60 Hz<br>DC: 24 V, 48 V, 110 - 120 V, 220 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

|                              |                                                                                                                                                                                                                                                                       |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Under-voltage release        | : UVT22-M8:<br>AC: 48 V, 110 V, 220 - 240 V, 380 - 415 V, 50 / 60 Hz<br>DC: 24 V, 48 V, 110 - 120 V, 220 V                                                                                                                                                            |
| Electric operating mechanism | : MOD23-M8:<br>AC: 110 V, 220 - 240 V, 380 - 415 V, 50 / 60 Hz<br>DC: 24 V, 110 V, 220 V                                                                                                                                                                              |
| Auxiliary circuits           | : AX21-M8 / AL21-M8:<br>1 NO and 1 NC<br>AC-15: 2 A at 415 Vac, 4 A at 240 Vac,<br>5 A at 110 Vac<br>DC-13: 0,25 A at 220 Vdc / 110 Vdc<br>Ui: 500 V, Uimp: 2,5 kV<br>Rated conditional short-circuit current: 1 kA<br>Fuse: RL6-25/6, 6 A, 500 Vac, 50 kA, Schneider |

#### Product rating - NM8N-630C

|                                                      |                                                                                                       |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Rated current (In)                                   | : 250 A, 315 A, 350 A, 400 A, 500 A, 630 A                                                            |
| Individual pole short-circuit ( $I_{IT}$ )           | : 1,2 Isd at 440 Vac for electronic trip unit EN and EM                                               |
| Rated ultimate short-circuit breaking capacity (Icu) | : 36 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,<br>25 kA at 500 Vac,<br>10 kA at 660 Vac / 690 Vac, |
| Rated service short-circuit breaking capacity (Ics)  | : 36 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,<br>25 kA at 500 Vac,<br>10 kA at 660 Vac / 690 Vac, |

#### Product rating - NM8N-630S

|                                                      |                                                                                                                            |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Rated current (In)                                   | : 250 A, 315 A, 350 A, 400 A, 500 A, 630 A                                                                                 |
| Individual pole short-circuit ( $I_{IT}$ )           | : 1,2 Isd at 440 Vac for electronic trip unit EN and EM                                                                    |
| Rated ultimate short-circuit breaking capacity (Icu) | : 50 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,<br>40 kA at 500 Vac,<br>36 kA at 525 Vac,<br>12 kA at 660 Vac / 690 Vac, |
| Rated service short-circuit breaking capacity (Ics)  | : 50 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,<br>40 kA at 500 Vac,<br>36 kA at 525 Vac,<br>12 kA at 660 Vac / 690 Vac, |

#### Product rating - NM8N-630Q

|                                                      |                                                                                                                            |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Rated current (In)                                   | : 250 A, 315 A, 350 A, 400 A, 500 A, 630 A                                                                                 |
| Individual pole short-circuit ( $I_{IT}$ )           | : 1,2 Isd at 440 Vac for electronic trip unit EN and EM                                                                    |
| Rated ultimate short-circuit breaking capacity (Icu) | : 70 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,<br>40 kA at 500 Vac,<br>36 kA at 525 Vac,<br>12 kA at 660 Vac / 690 Vac, |
| Rated service short-circuit breaking capacity (Ics)  | : 70 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,<br>40 kA at 500 Vac,<br>36 kA at 525 Vac,<br>12 kA at 660 Vac / 690 Vac, |

#### Product rating - NM8N-630H

|                                                      |                                                                                                                  |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Rated current (In)                                   | : 250 A, 315 A, 350 A, 400 A, 500 A, 630 A                                                                       |
| Individual pole short-circuit ( $I_{IT}$ )           | : 1,2 Isd at 440 Vac for electronic trip unit EN and EM                                                          |
| Rated ultimate short-circuit breaking capacity (Icu) | : 100 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,<br>50 kA at 500 Vac / 525 Vac,<br>15 kA at 660 Vac / 690 Vac, |
| Rated service short-circuit breaking capacity (Ics)  | : 100 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,<br>50 kA at 500 Vac / 525 Vac,<br>15 kA at 660 Vac / 690 Vac, |

#### Product rating - NM8N-630R

|                                                      |                                                                                                                            |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Rated current (In)                                   | : 250 A, 315 A, 350 A, 400 A, 500 A, 630 A                                                                                 |
| Individual pole short-circuit ( $I_{IT}$ )           | : 1,2 Isd at 440 Vac for electronic trip unit EN and EM                                                                    |
| Rated ultimate short-circuit breaking capacity (Icu) | : 150 kA at 380 Vac / 400 Vac / 415 Vac<br>100 kA at 440 Vac,<br>50 kA at 500 Vac / 525 Vac,<br>15 kA at 660 Vac / 690 Vac |
| Rated service short-circuit breaking capacity (Ics)  | : 150 kA at 380 Vac / 400 Vac / 415 Vac<br>100 kA at 440 Vac,<br>50 kA at 500 Vac / 525 Vac,<br>15 kA at 660 Vac / 690 Vac |

#### Product rating - NM8N-400C

|                                                      |                                                                                                       |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Rated current (In)                                   | : 250 A, 315 A, 350 A, 400 A                                                                          |
| Individual pole short-circuit ( $I_{IT}$ )           | : 1,2 Isd at 690 Vac for electronic trip unit EN and EM                                               |
| Rated ultimate short-circuit breaking capacity (Icu) | : 36 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,<br>25 kA at 500 Vac,<br>10 kA at 660 Vac / 690 Vac, |
| Rated service short-circuit breaking capacity (Ics)  | : 36 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,<br>25 kA at 500 Vac,<br>10 kA at 660 Vac / 690 Vac, |

#### Product rating - NM8N-400S

|                                                      |                                                                                                                            |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Rated current (In)                                   | : 250 A, 315 A, 350 A, 400 A                                                                                               |
| Individual pole short-circuit ( $I_{IT}$ )           | : 1,2 Isd at 690 Vac for electronic trip unit EN and EM                                                                    |
| Rated ultimate short-circuit breaking capacity (Icu) | : 50 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,<br>40 kA at 500 Vac,<br>36 kA at 525 Vac,<br>12 kA at 660 Vac / 690 Vac, |
| Rated service short-circuit breaking capacity (Ics)  | : 50 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,<br>40 kA at 500 Vac,<br>36 kA at 525 Vac,<br>12 kA at 660 Vac / 690 Vac, |

#### Product rating - NM8N-400Q

|                                                      |                                                                                                                            |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Rated current (In)                                   | : 250 A, 315 A, 350 A, 400 A                                                                                               |
| Individual pole short-circuit ( $I_{IT}$ )           | : 1,2 Isd at 690 Vac for electronic trip unit EN and EM                                                                    |
| Rated ultimate short-circuit breaking capacity (Icu) | : 70 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,<br>40 kA at 500 Vac,<br>36 kA at 525 Vac,<br>12 kA at 660 Vac / 690 Vac, |
| Rated service short-circuit breaking capacity (Ics)  | : 70 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,<br>40 kA at 500 Vac,<br>36 kA at 525 Vac,<br>12 kA at 660 Vac / 690 Vac, |

#### Product rating - NM8N-400H

|                                                      |                                                                                                                  |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Rated current (In)                                   | : 250 A, 315 A, 350 A, 400 A                                                                                     |
| Individual pole short-circuit ( $I_{IT}$ )           | : 1,2 Isd at 690 Vac for electronic trip unit EN and EM                                                          |
| Rated ultimate short-circuit breaking capacity (Icu) | : 100 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,<br>50 kA at 500 Vac / 525 Vac,<br>15 kA at 660 Vac / 690 Vac, |
| Rated service short-circuit breaking capacity (Ics)  | : 100 kA at 380 Vac / 400 Vac / 415 Vac / 440 Vac,<br>50 kA at 500 Vac / 525 Vac,<br>15 kA at 660 Vac / 690 Vac, |

### Product rating - NM8N-400R

|                                                      |                                                                                                                            |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Rated current (In)                                   | : 250 A, 315 A, 350 A, 400 A                                                                                               |
| Individual pole short-circuit ( $I_{IT}$ )           | : 1,2 Isd at 690 Vac for electronic trip unit EN and EM                                                                    |
| Rated ultimate short-circuit breaking capacity (Icu) | : 150 kA at 380 Vac / 400 Vac / 415 Vac<br>100 kA at 440 Vac,<br>50 kA at 500 Vac / 525 Vac,<br>15 kA at 660 Vac / 690 Vac |
| Rated service short-circuit breaking capacity (Ics)  | : 150 kA at 380 Vac / 400 Vac / 415 Vac<br>100 kA at 440 Vac,<br>50 kA at 500 Vac / 525 Vac,<br>15 kA at 660 Vac / 690 Vac |

### Additional information

#### NM8N – 630 C TM 630 4

a      b   c   d   e   f

a = model name: 'NM8N'

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

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

d = trip unit: 'EN', 'EM', 'ENM', 'EMM'

e = rated current: 250 A, 315 A, 350 A, 400 A, 500 A, 630 A

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

| Accessory type               | Model             |
|------------------------------|-------------------|
| Auxiliary circuit            | AX21-M8 / AL21-M8 |
| Shunt release                | SHT22-M8          |
| Undervoltage release         | UVT22-M8          |
| Electric operating mechanism | MOD23-M8          |
| Rotation handle              | DRH23-M8          |
| Plug-in base                 | PIA22-M8          |
| Withdrawable base            | DOB23-M8          |

End