



CHINT NH4 Slēdžu sērijas Datu lapa

Standarti

IEC/EN 60947-3

Funkcija

Manuāla slodzes atvienošana un izolācija

Saderīgas ierīces

NB sērijas automātiskie slēdži (MCB) / RCBO

Elektriskie parametri

| Parametrs | Vērtība |
|--------------------------------------|--------------------------------------|
| Nominālā strāva (Ie) | 32 A, 40 A, 63 A, 80 A, 100 A, 125 A |
| Nominālais spriegums (Ue) | 240 V (1P), 415 V (2P-4P) |
| Nominālā frekvence | 50/60 Hz |
| Īslaicīgā izturības strāva (Icw) | 12Ie uz 1 s |
| Ieslēgšanas/izslēgšanas kapacitāte | 3Ie pie 1.05Ue, $\cos\phi = 0.65$ |
| Īssavienojuma ieslēgšanas kapacitāte | 20Ie, t = 0.1 s |
| Dielektriskā pārbaude | 1,89 kV uz 5 s |
| Impulsu izturības spriegums (Uimp) | 4 kV (1.2/50 μ s) |
| Izolācijas spriegums (Ui) | 500 V |
| Izmantošanas kategorija | AC-22A |

Mehāniskie parametri

Mehāniskā izturība: 8 500 darbību

Elektriskā izturība: 1 500 darbību

Šis tulkojums sniegts kā palīgmateriāls. Par oficiālu un precīzu informāciju jāuzskata tikai ražotāja oriģinālais dokuments.

Temperatūras diapazons

Darbības: -5 °C līdz +40 °C (dienas vidējā ≤35 °C)

Uzglabāšana: -25 °C līdz +70 °C

Savienojumi

Termināla tips: Kabelis, tapu tipa vai U-veida kopne

Kabeļa izmērs: līdz 35 mm² (AWG 18–2)

Kopnes izmērs: 18 mm² (AWG 1/0)

Pievelkšanas griezes moments: 2,5 N·m (22 In-lbs)

Pieslēguma metode: no augšas vai apakšas

Montāža

DIN sliede vai paneļa stiprinājums

Izmēri

1P: Augstums = 74 mm, Platums = 18 mm

2P: Augstums = 77 mm, Platums = 36 mm

3P: Augstums = 77 mm, Platums = 54 mm

4P: Augstums = 77 mm, Platums = 72 mm

Aizsardzības pakāpe

IP20



NH4 Switch Disconnecter

1. General

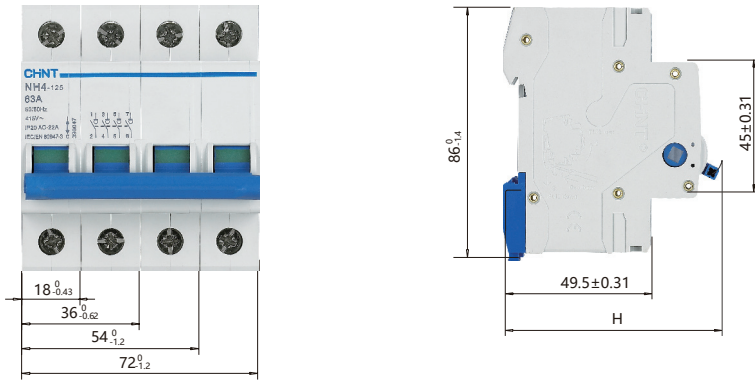
- 1.1 In the open position, It complies with the requirements of the isolating function.
- 1.2 It is designed match NB series MCBs/RCBOs.
- 1.3 Approvals and certificates
Detailed information, please refer to Certificates Table on the last page.



2. Technical data

| | Standard | | IEC/EN 60947-3 |
|----------------------|--|--------------------|-------------------------------------|
| Electrical features | Rated voltage Ue | V | 240/415 |
| | Rated current Ie | A | 32, 40, 63, 80, 100, 125 |
| | Rated frequency | Hz | 50/60 |
| | Rated impulse withstand voltage (1.2/50)Uimp | V | 4,000 |
| | Rated short-time withstand current Icw | | 12Ie, 1s |
| | Rated making and breaking capacity | | 3Ie, 1.05Ue, cosφ=0.65 |
| | Rated short circuit making capacity | | 20Ie, t=0.1s |
| | Dielectric test voltage at ind. Freq. for 5s | kV | 1.89 |
| | Insulation voltage Ui | V | 500 |
| | Pollution degree | | 2 |
| Utilization category | | AC-22A | |
| Mechanical features | Electrical life | | 1,500 |
| | Mechanical life | | 8,500 |
| | Protection degree | | IP20 |
| | Ambient temperature (with daily average ≤35°C) | °C | -5...+40 |
| | Storage temperature | °C | -25...+70 |
| Installation | Terminal connection type | | Cable/Pin-type busbar/U-type busbar |
| | Terminal size top/bottom for cable | mm ² | 50 |
| | | AWG | 18-1/0 |
| | Terminal size top/bottom for busbar | mm ² | 35 |
| | | AWG | 18-2 |
| | Tightening torque | N·m | 2.5 |
| In-lbs. | | 22 | |
| Connection | | From top or bottom | |

3. Overall and mounting dimensions (mm)



| Number of poles | 1P | 2P~4P |
|-----------------|--------------------------------|--------------------------------|
| H(mm) | 74 ⁰ _{1.2} | 77 ⁰ _{1.2} |

| | | | |
|---------|----------------------|---------------|---------------|
| NH4-125 | 1P | 32A | DB |
| ↓ | ↓ | ↓ | ↓ |
| Frame | Poles | Rated current | Busbar |
| NH4-125 | 1P 2P 3P 4P | 32A~125A | Double Busbar |

| Diagram | Ie(A) | Ue(V) | Poles | Description | Code |
|---------|-------|-------|-------|--------------------|--------|
| | 1P | 32 | 240 | NH4-125 1P 32A DB | 398037 |
| | 1P | 40 | 240 | NH4-125 1P 40A DB | 398105 |
| | 1P | 63 | 240 | NH4-125 1P 63A DB | 398038 |
| | 1P | 80 | 240 | NH4-125 1P 80A DB | 398109 |
| | 1P | 100 | 240 | NH4-125 1P 100A DB | 398036 |
| | 1P | 125 | 240 | NH4-125 1P 125A DB | 398032 |
| | 2P | 32 | 415 | NH4-125 2P 32A DB | 398040 |
| | 2P | 40 | 415 | NH4-125 2P 40A DB | 398106 |
| | 2P | 63 | 415 | NH4-125 2P 63A DB | 398041 |
| | 2P | 80 | 415 | NH4-125 2P 80A DB | 398110 |
| | 2P | 100 | 415 | NH4-125 2P 100A DB | 398039 |
| | 2P | 125 | 415 | NH4-125 2P 125A DB | 398033 |
| | 3P | 32 | 415 | NH4-125 3P 32A DB | 398043 |
| | 3P | 40 | 415 | NH4-125 3P 40A DB | 398107 |
| | 3P | 63 | 415 | NH4-125 3P 63A DB | 398044 |
| | 3P | 80 | 415 | NH4-125 3P 80A DB | 398111 |
| | 3P | 100 | 415 | NH4-125 3P 100A DB | 398042 |
| | 3P | 125 | 415 | NH4-125 3P 125A DB | 398034 |
| | 4P | 32 | 415 | NH4-125 4P 32A DB | 398046 |
| | 4P | 40 | 415 | NH4-125 4P 40A DB | 398108 |
| | 4P | 63 | 415 | NH4-125 4P 63A DB | 398047 |
| | 4P | 80 | 415 | NH4-125 4P 80A DB | 398112 |
| | 4P | 100 | 415 | NH4-125 4P 100A DB | 398045 |
| | 4P | 125 | 415 | NH4-125 4P 125A DB | 398035 |