



## 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.

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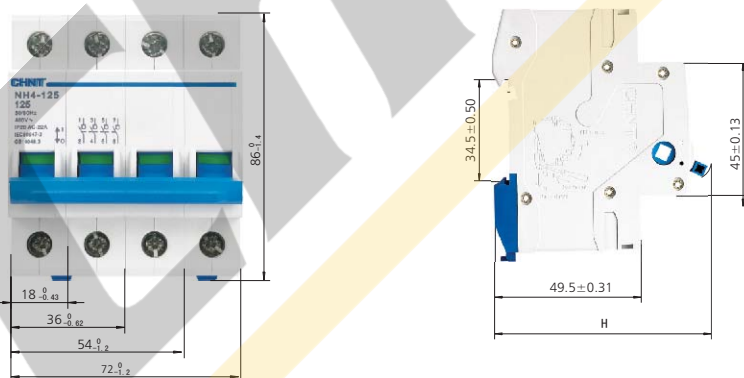
# Modular DIN Rail Products

## Switch Disconnecter

### 3. Technical features

|                     | Standard  |                  | IEC/EN 60947-3                         |
|---------------------|---|------------------|--|
| Electrical features | Rated voltage $U_e$   | V                | 230/400~240/415                        |
|                     | Rated current $I_e$   | A                | 32, 63, 100, 125                       |
|                     | Rated frequency   | Hz               | 50/60                                  |
|                     | Rated impulse withstand voltage $(1.2/50)U_{imp}$                 | V                | 4,000                                  |
|                     | Rated short-time withstand current $I_{cw}$                       |                  | 12 $I_e$ , 1s                          |
|                     | Rated making and breaking capacity                                |                  | 3 $I_e$ , 1.05 $U_e$ , $\cos\phi=0.65$ |
|                     | Rated short circuit making capacity                               |                  | 20 $I_e$ , $t=0.1s$                    |
|                     | Dielectric test voltage at ind. Freq. for 5s                      | kV               | 2                                      |
|                     | Insulation voltage $U_i$  | V                | 500                                    |
|                     | Pollution degree  |                  | 2                                      |
| Mechanical features | Utilization category  |                  | AC-22A                                 |
|                     | Electrical life   |                  | 1,500                                  |
|                     | Mechanical life   |                  | 8,500                                  |
|                     | Protection degree   |                  | IP20                                   |
|                     | Ambient temperature (with daily average $\leq 35^\circ\text{C}$ ) | $^\circ\text{C}$ | -5...+40                               |
| Installation        | Storage temperature   | $^\circ\text{C}$ | -25...+70                              |
|                     | Terminal connection type  |                  | Cable/Pin-type busbar/U-type busbar    |
|                     | Terminal size top/bottom for cable                                | mm <sup>2</sup>  | 50                                     |
|                     |   | AWG              | 18-1/0                                 |
|                     | Terminal size top/bottom for busbar                               | mm <sup>2</sup>  | 35                                     |
|                     |   | AWG              | 18-2                                   |
|                     | Tightening torque   | N*m              | 2.5                                    |
|                     |   | In-lbs.          | 22                                     |
|                     | Connection  |                  | From top and bottom                    |

### 4. Overall and mounting dimensions (mm)



| Number of poles | 1P                              | 2P~4P                           |
|-----------------|---------------------------------|---------------------------------|
| H (mm)          | 74 <sup>0</sup> <sub>-1.2</sub> | 78 <sup>0</sup> <sub>-1.2</sub> |