



# YCH7-125

## ISOLATING SWITCH

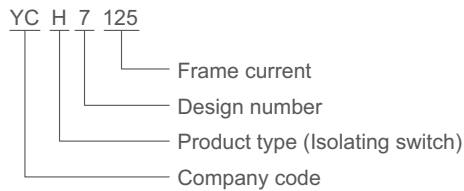
- Micro curved surface design
- Terminal double protection
- On off indicating window
- All copper current carrier



### ▼ Product overview

YCH7-125 series isolating switch is suitable for switching on or off circuit of AC 50Hz/60Hz, rated voltage 230V to 400V, rated current to 125A resistive and inductive mixed loads, including appropriate overload, for connecting or isolating the line from the power supply. The product has the function of on-off indicator, especially suitable for effectively isolating the power supply during line maintenance to ensure the operation safety of maintenance personnel. Mainly used as the main switch of modular din rail, it can also be used to infrequently control various types of motors, low-power electrical appliances and lighting.

### ▼ Product model and meaning



### ▼ Normal working condition

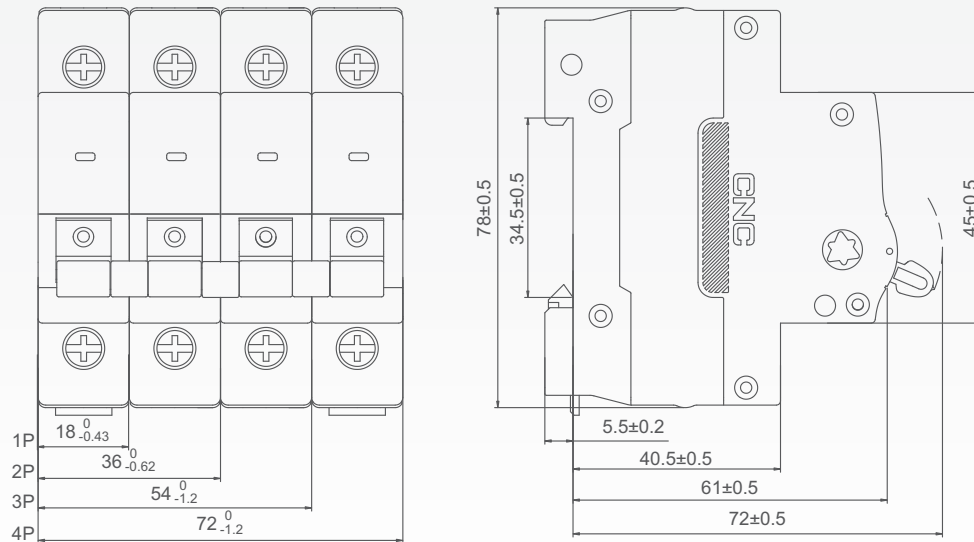
1. Ambient temperature: -25°C~+60°C;
2. Altitude: not exceed 2000m;
3. Pollution class: 2;
4. Installation category: III;
5. Use category: AC-22A;
6. Installation: Embedded vertical DIN standard rail mounting
7. Wiring method: Screw the wiring, 20A-63A tightening torque:2.0N.m;  
80A-125A tightening torque: 3.5N.m

### ▼ Main technical parameters

Frame current	125
Rated working voltage $U_e$ (V)	AC230V, AC400V
Pole	1P, 2P, 3P, 4P
Rated working current $I_e$ (A)	20, 32, 40, 63, 80, 100, 125
Rated short-time withstand current $I_{cw}$	12 $I_e$ (power-on time is 1s)
Rated residual connecting and breaking capacity $I_{cm}$	20 $I_e$ (power-on time is 0.1s)
Rated impact withstand voltage $U_{imp}$ (kV)	(1.2/50 $\mu$ s, 2000m) 6kV
Mechanical life	8500
Electrical life	1500
Standard	IEC 60947-3
Certification	CE

Rated current $I_n$ (A)	Nominal cross-sectional area of copper conductor(mm <sup>2</sup> )
20	2.5
32	6
40	10
63	16
80	25
100	35
125	52

### ▼ Overall and mounting dimensions(mm)



### ▼ Use and maintenance

1. Out of box audit  
Whether the isolating switch is damaged during transportation. There should be operation instruction and product certification. It is necessary to perform several mechanical operations on the isolating switch to ensure that the product is intact.
2. Installation method  
During installation, place the isolating switch clip into mounting rail, so that the product is fixed on the mounting rail. To remove the product, pull the mounting card down to remove it. Refer to Table 2 for the use of wires.
3. Operational check  
To check whether the wiring is correct; Ensure that the wiring terminals of the connecting cables are tight and secure.  
Push the handle upward to the "I" to turn on the switch; Push the handle down to the "O" to turn off the switch.
4. Maintenance  
When the isolating switch is working, it should be checked regularly, and the check cycle depends on the surrounding conditions.  
The isolating switch should be prevented from falling and colliding during use, storage and transportation, and should not be attacked by rain and snow.

### ▼ Ordering instruction

1. When ordering, the user should indicate: model, rated current, pole number, and quantity.  
For example: YCH7-125 3P 63A 880sets (indicates 880 sets of YCH7-125 Isolating switch 3P 63A ).
2. Special requirements of users can be negotiated separately.