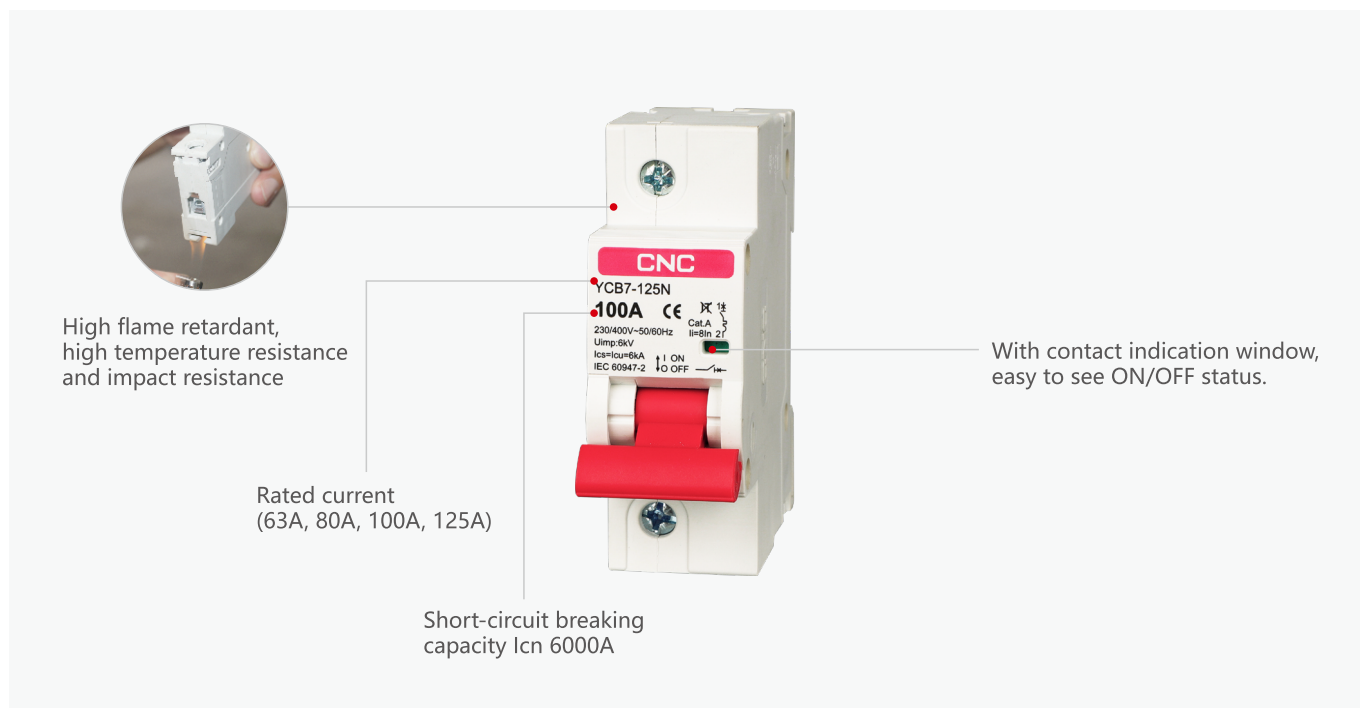


## Modular DIN Rail

# YCB7-125N MCB

A

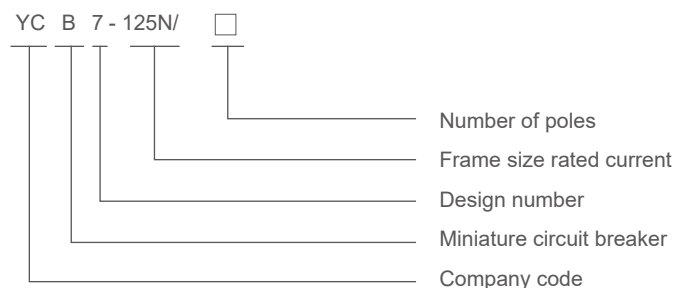


## General

YCB7-125N miniature circuit breaker(circuit breaker)is applicable to the circuit with AC50 Hz/60Hz, rated voltage of no more than400 V, and rated current from 10A to 125A for overload protection and short circuit protection. This product can be applied to various places such as industrial, commercial, tall buildings, and residential houses.

Standard: IEC 60947-2、 IEC 60947-2 IEC 60898-1

## Type designation



## Operating conditions

1. Ambient air temperature -5°C ~+40°C (with daily average≤35°C)
2. Altitude:≤2000m.
3. Air conditions: At mounting site, relative humidity not exceed 50% at the maximum temperature of +40°C. For the wettest month, the maximum relative humidity averaged shall be 90% while the lowest temperature averaged in that month is +20°C , special measures should be taken to occurrence of condensation.
4. The installation category is III .
5. The circuit breaker shall be installed on DIN rail EN 60715(35mm), which shall meet theA1.1 TH 35-7.5 steel mounting rail requirements.
6. Pollution grade: 3
7. Mounting conditions: inclination between mounting plane and vertical plane not exceed±5°.
8. The product should locate in the places where there are no obvious impact and shake.

Table 1

Ui	Uimp	Number of poles	Rated frequency HZ	Rated voltage Ue	Rated Current In	Thermomagnetic release characteristic	Rated circuit breaking capacity Icn
500V	6kV	1P/2P	50/60	AC230V/400V	10-125A	(C)Ii=8In,	6kAli=12In
		3P/4P		AC400V			

## Release

Type	Test current	Tripping time	Expected result
C,D	1.05In	$t \leq 1h (In \leq 63A), t \leq 2h (In \leq 63A)$	Not tripping
C,D	1.3In	$t \leq 1h (In \leq 63A), t \leq 2h (In \leq 63A)$	Tripping
C,D	2.55In	$1s < t < 60s$	Tripping
C	8In×80%	$t \leq 0.2s$	Not tripping
D	12In×80%	$t \leq 0.2s$	Not tripping
C	8In×120%	$t < 0.2s$	Tripping
D	12In×120%	$t < 0.2s$	Tripping

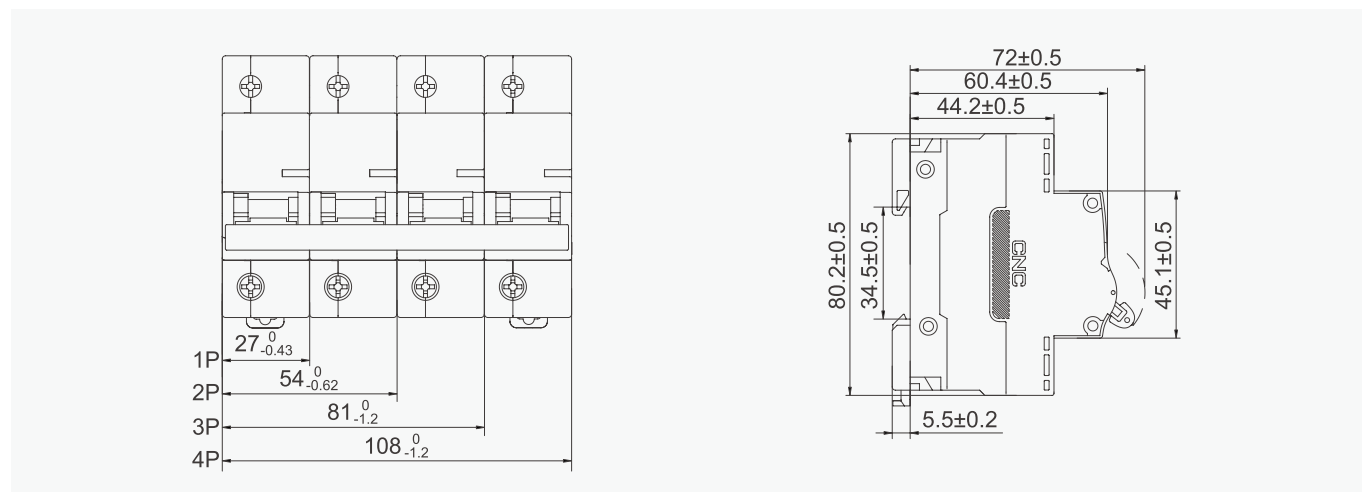
## Specifications

Type	Standard		IEC/EN 60947-2	IEC/EN 60898-1
Electrical features	Rated current In	A	10,16,20,25,40,50,63,80,100,125	
	Poles	P	1, 2, 3, 4	
	Rated voltage Ue	V	230/400	
	Insulation voltage Ui	V	500	
	Rated frequency	Hz	50/60	
	Rated breaking capacity	A	6000	
	Rated impulse withstand voltage(1.2/50) Uimp	V	6000	
	Dielectric test voltage at ind. Freq. for 1min	kV	2.5	
	Pollution degree		3	
	Thermo-magnetic release characteristic		(C)Ii=8In,(D)Ii=12In	
Mechanical features	Electrical life	t	1500	
	Mechanical life	t	8500	
	Contact position indicator		Yes	
	Protection degree		IP20	
	Reference temperature for setting of thermal element		30	
	Ambient temperature (with daily average $\leq 35^{\circ}\text{C}$ )	$^{\circ}\text{C}$	-5~+40(Special application please refer to temperature compensation correction)	
	Storage temperature	$^{\circ}\text{C}$	-25~+70	
Installation	Terminal connection type	$^{\circ}\text{C}$	Cable/Pin-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>	50	
		AWG	18-1/0	
	Tightening torque	N*m	3.5	
		ln-lbs	31	
	Mounting		On DIN rail EN60715(35mm)by means of fast clip device	
	Connection		From top and bottom	

## Modular DIN Rail

# YCB7-125N MCB

### Overall and mounting dimensions(mm)



### Ordering instructions

1. When ordering, the customer shall indicate the product type, tripping curve, rated current, number of poles, accessories and quantity of the circuit breaker. For example: YCB7- 125N 3P C100 1000pcs.
2. Customers can negotiate separately if you have special requirements.