YCB9-80M series

Miniature Circuit Breaker OPERATION INSTRUCTION Standard: IEC 60898-1



Before installing and using this product, please read this manual carefully and pay more attention to safety.

YCB9-80M series Miniature Circuit Breaker Instruction 1 General

YCB9-80M miniature circuit breaker(circuitbreaker) is applicable to the circuit with AC50Hz/60Hz, rated voltage of no more than 400V, and rated current up to 63 A for over load protection and short circuit protection. This product can be applied to various places such as industrial, commercial, tall buildings, and residential houses.

Standard: IEC60898-1
2 Operating conditions

2.1 Ambient air temperature -25°C~+60°C

2.2 Altitude: ≤2000m.

2.3 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. 2.4 The installation category is II, III.

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2.6 Pollution grade: 2

2.7 Mounting conditions: inclination between mounting plane and vertical plane not exceed +5°. 2.8 The product should locate in the places where there are no obvious impact and shake.

3 Basic parameters

3.1 Type designation



3.2 The basic specifications and main technical parameters of the circuit breaker are shown in Table 1; The overcurrent protection characteristics are shown in Table 2.

Table 1

	Number of poles	Rated frequency Hz	Rated voltage Ue	Rated Current In (A)	Thermo- magnetic release characteristic	Rated short circuit breaking capacity Icn
500V	1P/2P	50/60	AC230V/ 400V	6, 10, 16, 20, 25, 32, 40, 50, 63, 80	B/C/D	6kA,10kA
	3P/4P		AC400V			

Table 2

Time il merit

at ary the base calibration temperature with no load prior to the test.

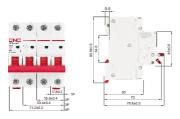
3.4 Wire connection

Before installation, check whether technical parameter of the circuit breaker is in conformity with user's requirement. The conductor of power supply shall be connected to the up terminal of circuit breaker. During installation, the tightening torque is max 2.5N•m. The sectional area of connecting wire can refer to Table 4.

Table 4

Rated current In A	Conductor cross section S mm ²		
6	1		
10	1.5		
16, 20	2.5		
25	4		
32	6		
40, 50	10		
63	16		
80	25		

4 Overall and mounting dimensions



5 Ordering instruction

5.1 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: YCB9-80M C25 1P 180pcs.

5.2 Customers can negotiate separately if you have special requirements.



CERTIFICATE

Product Model: YCB9-80M series Standard: IEC 60898-1

Inspector : CNC001

Production date: Printed on the product or package.

This product is qualified according to the delivery inspection

CNC ELECTRIC

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