

YCBZ-40 YCBZ-100


Changeover switch

OPERATION INSTRUCTION

Standard: IEC 60947-3

CNC

Deliver
Power For Better Life

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

1. General

YCBZ-40/YCBZ-100 Changeover switch is applicable to the resistive and inductive mixing load with AC 50Hz/60Hz, rated voltage of no more than 415V, and rated current up to 100A.

The Changeover Switch can switch on, Load and break the circuit under normal conditions, using as Switch Disconnectors.

Standard:IEC60947-3

2.Operating conditions

2.1 Ambient temperature $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$

2.2 Altitude: 2000m.

2.3 Air conditions: At mounting site, relative humidity not exceed 50% at the maximum temperature of $+40^{\circ}\text{C}$. For the wettest month, the maximum relative humidity averaged shall be 90% while the lowest temperature averaged in that month is $+20$,special measures should betaken to occurrence of condensation.

2.4 Utilization category is AC-22A.2.5 Pollution grade: 2

3 Basic parameters

3.1 Type designation

YC BZ - 100

100: Frame size current

Changover switch

YC: Company code

3.2 The basic specifications and main technical parameters of the circuit breaker are shown in Table1.

Table1

Parameter	YCBZ-40	YCBZ-100
Rated Voltage	240/415V~	240/415V~
Rated Current	16,25,32,40A	63,80,100A
Rated Frequency	50/60Hz	50/60Hz
Number of Poles	1,2,3,4P	1,2,3,4P
Contact form	1-0-2	1-0-2
Electrical Life	1500 Cycles	1500 Cycles
Mechanical Life	8500 Cycles	8500 Cycles
Protection degree	Ip20	Ip20
Ambient Temperature	-5°C~40°C	-5°C~40°C
Terminal/Cable size	10mm ²	50mm ²
Mounting	On DIN rail EN60715(35mm) by means of fast clip device.	

3.3 Wire connection

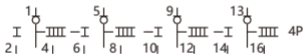
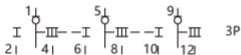
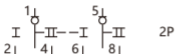
Before installation, check whether technical parameter of the circuit breaker is in conformity with user's requirement.

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 for 20A 63A, the tightening torque is max 3.5N-m for 80A100A. The sectional area of connecting wire can refer to Table 2.

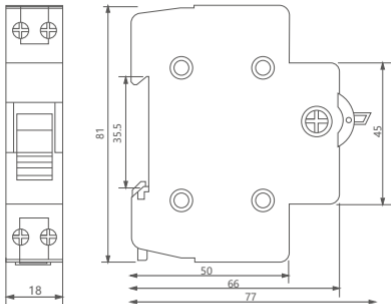
Table 2

Rated voltage In A	Conductor cross section S mm ²
20	2.5
32	6
40	10
63	16
80	25
100	35

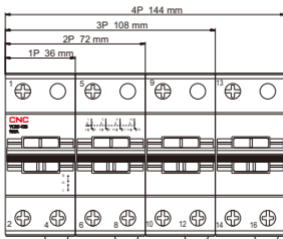
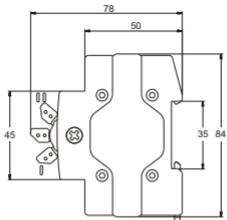
3.4 Wiring diagram



4 Overall and mounting dimensions(mm)



YCBZ-40



YCBZ-100

5.Ordering instruction

5.1 When ordering, the customer shall indicate the product type, rated current, number of poles and quantity of the circuit breaker.

For example: YCBZ-40 32 3P880pcs.

5.2 Special requirements of customers can be negotiated separately.



CERTIFICATE

Product Model: YBZ-40, YCBZ-100

Standard: IEC 60947-3

Inspector: **CNC 001**

Production date: Printed on the product
or package.

This product is qualified according
to the delivery inspection

CNC ELECTRIC

Tel: 0086-577-61989999 Fax: 0086-577-61891122

www.cncele.com E-mail: cncele@cncele.com

CNC

YBZ-40, YCBZ-100 Series