

YCH9m-40


Isolating 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.

YCH9m-40 Isolating Switch

1 General

9mm Modular ISOLATOR YCH9m-40 was designed according to IEC 60947-3. It meets the demand of loading and isolating the circuit. It is used as a main switch in distribution boxes in household applications or as a switch for individual electric circuits, easily to be assembled and work with the same series compact circuit breakers together.

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 be taken to occurrence of condensation.

2.4 Utilization category is AC-22A.2.5

Pollution grade: 2

Technical data

Type	Standard		IEC/EN 60947-3
Electrical features	Poles	P	2P,4P
	Rated voltage Ue	V	240/415
	Rated current Ie	A	16,20,25,32,40
	Rated frequency	Hz	50/60
	Rated impulse withstand voltage Uimp	V	4000
	Rated short-time withstand current Icw	A	480
	Rated short circuit making capacity Icm	A	480
	Pollution degree		3
	Insulation voltage Ui	V	500
Mechanical features	Electrical life	t	1500
	Mechanical life	t	8500
	Protection degree		Ip20
	Ambient temperature (with daily averages ≤ 35°C)	°C	-5~+40
	Mounting		On DIN rail EN 60715 (35mm) by means of fast clip device
	Terminal capacity	t	1-10mm ²
	Busbar specification	t	08-25mm
Terminal fastening torque		1.2N.m	

3.3 Wire connection

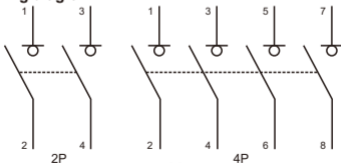
Before installation, check whether technical parameter of the circuit breaker is in conformity with user's requirement.

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.

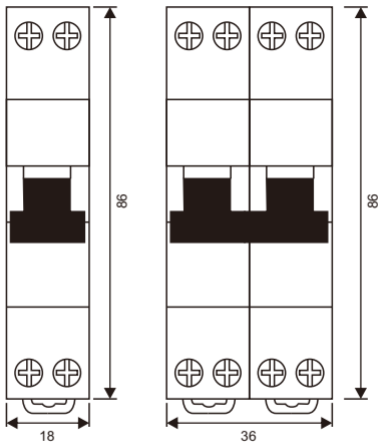
Table 2

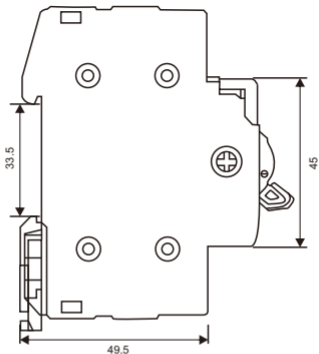
Rated voltage In A	Conductor cross section S mm ²
20	2.5
32	6
40	10

Wiring diagram



Overall and mounting dimensions(mm)





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: YCH9m-40 32 2P 880pcs.

5.2 Special requirements of customers can be negotiated separately.



CERTIFICATE

Product Model: YCH9m-40

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

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