Legends:
1 Negative pole of circuit breaker 2 Wiring terminal 3 Company logo 4 Product model (DZ47Z)
5 Rated current (See Table 1) 6 Setting current (See Table 1)
7 Rated voltage and breaking capacity (See Table 1) 8 Certification mark 9 ON/OFF indicator
10 Wiring diagram 11 Wiring terminal 12 Positive pole of circuit breaker
13 Reference standard 14 Use category 15 Rated impulse withstand voltage

Normal Operation, Installation, and Transport Conditions

- Normal Operation and Installation Conditions

(1) The upper limit of the ambient air temperature does not exceed +70℃, and the lower limit is not below -30℃, and the mean temperature within 24h does not exceed +35℃;
(2) The altitude at the installation site does not exceed 2000m;
(3) When the temperature is +70℃, the relative humidity of air does not exceed 50%; a larger relative humidity is allowed at lower temperatures; for example, the relative humidity does not exceed 90% at +20℃. Special protective measures are taken for condensations occurred occasionally due to temperature changes;
(4) The external magnetic field nearby the circuit breaker installation site shall not exceed 5 times earth's magnetic field in any direction.
(5) Installed in a place where there is the medium without any explosion danger and there is no gas or dust sufficient to cause corrosion to the metal and damage to the insulation layer in the medium;
(6) Installed in a place free from obvious impact vibration or rain and snow immersion;
(7) Pollution level: Level 2;
(8) Installation category: Class II, Class III;
(9) Installed in a power distribution tank, a power distribution cabinet or box;
(10) When wiring, the power end must be connected to the positive pole of circuit breaker, and the load end must be connected to the negative pole of circuit breaker to prevent reverse connection;

- Normal Storage and Transport Conditions

(1) The lower limit of the temperature is not below -40℃, and the upper limit does not exceed +85℃;
(2) The relative humidity (at 25℃) does not exceed 95%;
(3) Please handle the product gently during the transport process, do not upside it down, and prevent severe impact as much as possible.

Main Technical Performance Parameters

- Main technical parameters of circuit breaker are listed in Table 1

Table 1 Main technical parameters

Setting current	Rated current In A	Number of poles	Rated voltage Ue V	Rated breaking capacity Icn kA
(B)Ii=5.5In	1,2,4,6, 10, 16, 20, 25, 32, 40, 50, 63	1	125V	10
		2	250V	
		1	250V	
		2	500V	
		4	1000V	6
(C)Ii=8.5In	1,2,4,6, 10, 16, 20, 25, 32, 40, 50, 63	1	125V	10
		2	250V	
		1	250V	
		2	500V	
		4	1000V	6

Outline and Installation Dimensions

The circuit breaker is rail-mounted, and its outline and installation dimensions are shown in Fig. 4.

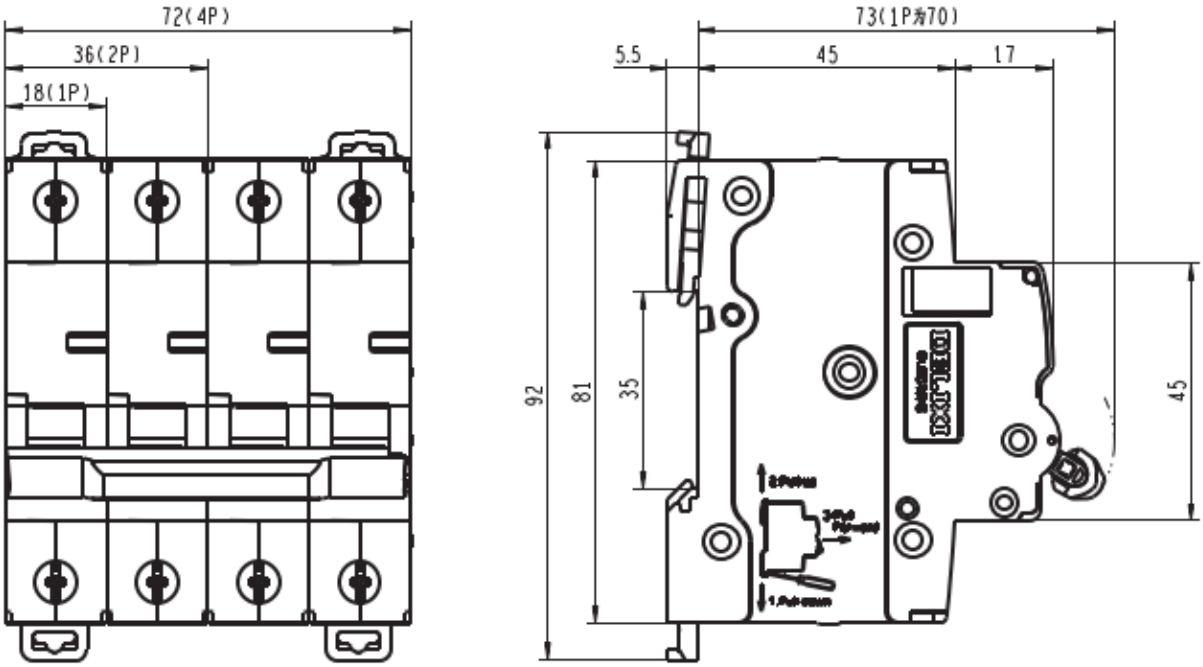


Fig 4 Outline and installation dimensions

Installation, Operation and Maintenance

● Before installing circuit breaker:

(1) Check whether the technical parameters on the transfer printing mark meet the operation requirements;

(2) Before use, users are required to check that the insulation resistance between the poles of the auxiliary contact (except for single pole), between the pole and the housing, between the pole and the mounting rail, and between the input terminal and the output terminal with a 500V megger shall not be less than 5MΩ. If the insulation resistance is less than 5MΩ, stop the operation of this product, and contact the suppler for timely replacement;

(3) Open and close the circuit breaker several times, and check the circuit breaker operating mechanism for blockage, and check whether the mechanism can work reliably;

(4) The reference temperature of this series auxiliary contact is 30°C. If multiple auxiliary contacts are all installed in a sealed tank, the tank temperature shall be correspondingly rise, and the operating current is 0.8In;

(5) The cross sectional area of the connected copper wire shall adapt to the rated current of the circuit breaker; see Table 3;

Notes: (1) L+ is positive pole of power supply, L- is negative pole of power supply
(2) ⊕ is positive pole of circuit breaker; ⊖is negative pole of circuit breaker
(3) Usually "L-" is grounded in the DC power supply, and "M" is grounded in the positive and negative power supply system.

Fig. 5 Wiring method

Unpacking Inspection

Check the product for damage, check the exposed metal for rust, and check the product for any defect caused by poor transport or storge after unpacking the product. If found any of the above situations, stop the operation of the product and contact the supplier timely for this.

Company's commitment

Under the premise that users follow the use and storage conditions and the product are well sealed, within 36 months from the production date, our company will provide repair and replacement service free of charge for any damage or abnormal operation due to poor manufacture quality. A paid repair will be provided if the warranty period expires. For any damage due to one of the following situations, a paid repair will be given even if within the warranty period:

(1) Improper operation, maintenance, or storage;
(2) Modified and inappropriate repair without permission;
(3) Damage due to falling off or during installation after purchase;
(4) Force majeure such as earthquakes, fires, lightning strikes, abnormal voltages, and secondary disasters.

If you have any question, please contact our dealer or our company's customer service department.
Customer service hotline: 400-826-8008

Ordering Notice

Please specify he following when ordering:

a) Name, model, and specification of circuit braker;
b) Rated current and the number of poles of circuit breaker;
c) Qty.

For example: To order DZ47Z one-pole circuit breaker, C type, rated current 20A, 1000 units.
Please specify: DZ47Z/1P, C20, 1000 units.