

**DELIXI**  
ELECTRIC

DZ47G isolation switch

**Instruction manual**



Please read the instructions carefully  
before installing and using the product  
And keep properly, reserve

## Safety notification

Before installation, operation, operation, maintenance, and inspection, please read this manual carefully, and install and use this product accurately according to the content in the manual.

### Danger:

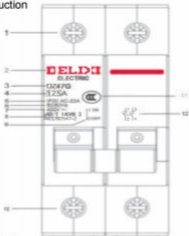
- It is strictly forbidden to operate the isolation switch with wet hands; In use, do not touch the conductive part;
- Maintenance and maintenance, must ensure that the product is not live;
- It is strictly prohibited to test the product by short circuit;

### Notice

- Installation, maintenance and maintenance should be operated by professionally qualified personnel;
- The characteristics of the product have been set before the factory, and can not be disassembled or assembled by itself in use Meaning regulation;
- The product can not be used alone, in use must be used with the same rated current fuse or circuit breaker;
- Please confirm the rated voltage, rated current, frequency and characteristics of the product before use Meet job requirements;
- In order to prevent short circuit between phases, the exposed wire or copper bus should be insulated Deal with;
- If the product is damaged or abnormal sound when unpacking, stop using immediately and contact the supplier;
- When the product is scrapped, please do a good job of product waste treatment, thank you for your cooperation.

## Understand the DZ47G isolation switch

### Panel introduction



### Instructions:

1 Power end 2 Company trademark 3 Product model 4 rated current: a, 20 a, 32 a, 40 a, 63 a, 80 a, 100 a, 125 a 5 protection level and frequency of use category 6 Frequency 7 Rated voltage: 230V~(1P)/400V ~ 8 meets the standard 9. Close and disconnect indicator 10 Load end 11 Certification mark 12 Wiring diagram

### Normal conditions of use, installation and transport

#### Normal use, installation conditions

- (1) The upper limit of ambient air temperature does not exceed  $+60^{\circ}\text{C}$ , the lower limit is not less than  $-20^{\circ}\text{C}$ , and the average temperature within 24 hours does not exceed  $+35^{\circ}\text{C}$ ;
- (2) The elevation of the installation site does not exceed 2000m;
- (3) When the temperature is  $+40$ , the relative humidity of the air does not exceed 50%; At a lower level

The temperature allows a large relative humidity, for example, at +20°C, the relative humidity is 90%, and takes into account the condensation on the product due to temperature changes;

(4) Installed in a medium without explosion risk, and there is no gas and dust sufficient to corrode metal and destroy insulation in the medium;

(5) Installed in a place without significant impact vibration and without rain and snow attack;

(6) Pollution level: Level 2;

(7) Installation category: Class I, Class I;

(8) Should be installed in the distribution box, distribution cabinet or box;

(9) Use category: AC-22A.

(10) The product allows reverse wiring.

● **Norma storage and transportation conditions**

(1) The lower limit of temperature is not less than -40°C, and the upper limit is not more than +70°C;

(2) The relative humidity (25°C) does not exceed 95%;

(3) The product should be handled lightly during transportation should not be put upside down, and should try to avoid violent collisions.

**Technical characteristics**

● **Categories**

According to the number of poles: unipolar, two, three, four

poles.

● Main technical parameters are shown in Table 1

**Table 1 Main technical parameters**

Shel and frame grade Maximum rated current A	Rated current Ic A	Poles	Rated Voltage V		Rated short-time withstand current Ics A	Rated insulation voltage UI	Rated impulse withstand voltage Uimp
			V	T			
125	20	2、3、4	V	T	15Ic Is	500V	6kV
	25						
	40						
	63						
	801						
125							

## Outline and mounting dimensions

The isolation switch is mounted on a guide rail, and its outline and installation dimensions are shown in Figure 1. Unit:mm

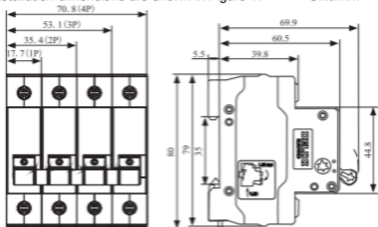


Figure1 Outline and mounting dimensions

### Installation, use and maintenance

#### ● Before installation of isolation switch:

- (1) Use with circuit breakers or fuses;
- (2) Check whether the technical parameters on the pad printing mark meet the requirements of use;
- (3) The isolation switch is closed and divided into several times to check whether the operating mechanism is stuck and whether the mechanism is reliable.

#### ● Isolation switch installation should:

- (1) The cross-sectional area of the connection wire should be adapted to the rated current of the isolation switch,

See Table 2 for details:

Table 2 Rated current and cross-sectional area of connecting wires

Rated current A	10	15	20	25	30	35	40	50
Minimum cross-sectional area mm <sup>2</sup>	1.5	2.5	3.5	4.5	6.0	7.5	10.0	16.0
Maximum cross-sectional area mm <sup>2</sup>	2.5	4.0	6.0	10.0	16.0	25.0	35.0	50.0
Minimum cross-sectional area mm <sup>2</sup>	1.5				2.5			

- **Table 2** Rated current and cross-sectional area of connecting wires

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Maximum cross-sectional area mm <sup>2</sup>	2.5	4.0	6.0	10.0	16.0	25.0	35.0	50.0
Minimum cross-sectional area mm <sup>2</sup>	1.5				2.5			

## Corporate commitment

Under the premise that the user complies with the use and storage conditions and the product seal is intact, the company is responsible for free repair or replacement if the product is damaged or cannot be used normally due to manufacturing quality problems within thirty-six months from the date of production. If the warranty period is exceeded, repair shall be paid. However, if the damage is caused by the following circumstances, paid repair will be made even within the warranty period:

- (1) Improper use, maintenance or storage;
- (2) Self-modification or improper maintenance;
- (3) Damaged due to fall and installation after purchase;
- (4) Earthquake, fire, lightning strike, abnormal voltage and secondary disasters and other force majeure.

If you have any questions, please contact the distributor or our customer service department.

Customer service hotline: 400-826-8008

## Order instructions

Users need to specify when ordering:

- a) Name, model and specification of the isolation switch;
- b) Rated current and number of poles of the isolation switch;
- c) Quantity.

Example: Set DZ47G three-pole isolation switch, rated current 32A, quantity 1000 Sets

It should be written as: DZ47G/3P,32A,1000 sets.

