



JZC1 Series Contact Relay

User Instruction





Safety Warning

- ① Only professional technicians are allowed for installation and maintenance.
- ② It is strictly prohibited to install in the environment containing inflammable, explosive gas and moist condensation.
- ③ Power must be turned off when installing, maintaining and maintaining the product.
- ④ Do not touch the conductive part of the product during working.

1 Purpose of Use

JZC1 series contact relays are mainly used in control circuits with rated operating voltage up to 660V or rated DC voltage up to 220V for the purpose of controlling various magnetic coils and amplifying and transferring electrical signals. As a low-voltage electrical appliance component, the contact relay is indispensable for automation and remote control.

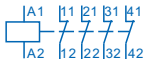
2 Key Technical Parameters

Table 1 Key Technical Parameters

Ambient conditions	Ambient temp. (°C)	-5°C ~ +40°C	
	Hot and humid atmospheric conditions	+40°C, RH not exceeding 50%; higher RH is allowed under low temperatures	
	Altitude	No influence below 2,000m	
	Pollution class/ installation category	Class 3/III	
Parameter	Grade of current frame (or specifications, number of poles)	JZC1-04,13,22,31, 40,44,53,62,71,80	JZC1-04Z,13Z,22Z,31Z, 40Z,44Z,53Z,62Z,71Z,80Z
	Rated operating voltage U _e (V)	660	
	Rated operating current I _e (A)	5(AC-15)	
		0.25(DC-13)	
	Rated insulation voltage U _i (V)	660	
	Rated frequency (Hz)	50	/
	Rated short circuit breaking capacity I _{cn} (A)	5(AC-15)	
		0.25(DC-13)	
	Enclosure protection class	IP00	
	Electrical life (10,000 times)	100(AC-15)	
	Mechanical life (10,000 times)	1000	

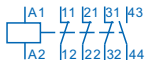
3 Installation

a. Wiring diagram 1 of 0NO+4NC terminal



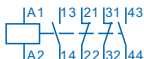
Wiring diagram 1

b. Wiring diagram 2 of 1NO+3NC terminal



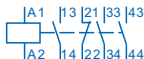
Wiring diagram 2

c. Wiring diagram 3 of 2NO+2NC terminal



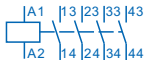
Wiring diagram 3

d. Wiring diagram 4 of 3NO+1NC terminal



Wiring diagram 4

e. Wiring diagram 5 of 4NO+0NC terminal



Wiring diagram 5

f. Wiring diagram 6 of 4NO+4NC terminal



Wiring diagram 6

g. Wiring diagram 7 of 5NO+3NC terminal



Wiring diagram 7

h. Wiring diagram 8 of 6NO+2NC terminal



Wiring diagram 8

i. Wiring diagram 9 of 7NO+1NC terminal



Wiring diagram 9

j. Wiring diagram 10 of 8NO+0NC terminal



Wiring diagram 10

k. Diagram 11 of Screw mounting or mount it on 35mm standard installation rail using the saddle clip at the bottom of the relay.
Allowable installation position

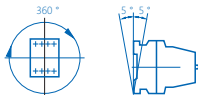


Diagram 11

4 Maintenance

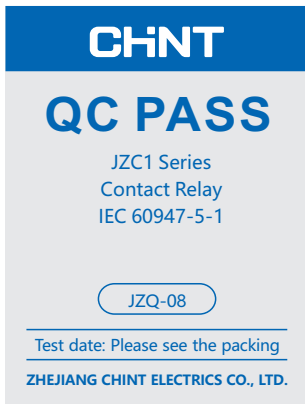
Dust should be removed in an appropriate way; and regular inspection should be made to identify whether the contact is burned; if the contact is slightly burned and turns black, please use a file to clean the surface; if it is severely burned, please replace it with a new one.

Table 2 Analysis and Troubleshooting of Common Faults

Symptoms	Cause Analysis	Troubleshooting Method
No operation or no reliable operation	1. Too low voltage power supply or too high voltage fluctuation	1. Adjust the power-supply voltage
	2. The voltage of the power supply does not match that of the coil, resulting in coil breakage or burnout	2. Replace the coil
No release or slow release	1. Contacts have welded together	1. Determine whether the contacts have welded together, fix them or replace the contacts
	2. Oil or dust on the ferrite core pole face	2. Clean the pole face
Too big vibration or noise	1. Stain on the ferrite core pole face	1. Dip cotton yarn into kerosene and use it to clean the pole face

5 Environmental Protection

In order to protect the environment, when the product or its parts are scrapped, please properly dispose of them as industrial wastes; or be sent to the recycling station for assortment, dismantling and recycling.



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