



NCX1 Series
AC Contactor

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

NCX1-9 ~25 AC contactors are mainly used in electrical circuits under the Category AC-3 with rated operating current up to 25A at rated operating voltage of 380V for the purpose of long-distance circuit making and breaking, and can be used with appropriate relay to form the electromagnetic starter to protect the circuit from overloading.

2 Key Technical Parameters

Table 1 Key Technical Parameters

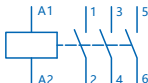
Ambient conditions	Ambient temp. (°C)	-5°C ~ +40°C
	Hot and humid atmospheric conditions	+40°C, RH not exceeding 50%; higher RH is allowed under low temperatures;
	Altitude	No influence below 2,000m
	Pollution class/ installation category	Class 3/III

Table 1 Key Technical Parameters (continued table)

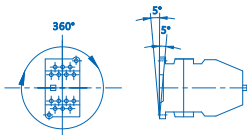
Parameter	Grade of current frame (or specifications, number of poles)	NCX1-9	NCX1-12	NCX1-17	NCX1-25
	Rated operating voltage U_e (V)	380			
	Rated operating current I_e (A)	9	12	17	25
	Rated insulation voltage U_i (V)	690			
	Rated frequency (Hz)	50			
	Rated short circuit breaking capacity I_{cn} (AC-3,A)	72	96	136	200
	Enclosure protection class	IP00			
	Electrical life (10,000 times)	120(AC-3)			
	Mechanical life (10,000 times)	1000			

3 Installation

a. Wiring diagram 1

**Wiring diagram 1**

b. Diagram 2 of allowable installation position



Wiring diagram 2

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.

QC PASS

NCX1 Series
AC Contactor
IEC 60947-4-1

JZQ-08

Test date: Please see the packing

ZHEJIANG CHINT ELECTRICS CO., LTD.

CHINT

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