

NC8-1260~2650 AC Contactor

Operation Manual

0ZTD.463.1458

ZHEJIANG CHINT ELECTRICS CO.,LTD.

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Design Document Title	Operation Manual	0ZTD.463.1458	
Product Model & Name	NC8-1260~2650 AC Contactor	Page	1 of 10

1. Main Technical Data and Performance

1.1 For the main technical data and performance indicators of the contactors, please refer to Table 1.

Table 1: Main Technical Data and Performance Indicators

Model		NC8-1260	NC8-1450	NC8-1700	NC8-2100	NC8-2650
Frame Size ^a		1260	1450~2100			2650
Rated Duty		8h, non-stop, intermittent (load factor 40%), short-time				
Circuit Frequency		AC50Hz or 60Hz				
Pole Impedance (Ω)		≤0.05				
EMC		A				
Compatible Fuse Type		RST	RSG-3	RSG-5	RSG-5	RSG-6
Fuse Rated Current (A)		1500	1500	2000	2300	2800
Flashover Distance (mm)		15	≤100			
Coil Power	Pull-in (VA/W)	AC Coil	≤850	≤2400		≤2700
		DC Coil		≤2200		≤2880
		Wide Voltage Coil	≤1500	≤1000		≤1600
	Hold-in (VA/W)	AC Coil	≤18	≤44		≤44
		DC Coil		≤16		≤18
		Wide Voltage Coil	≤18	≤30		≤30
Ambient air temperature:		-5°C~+40°C, and average temperature within 24h ≤ +35°C				
Humidity		When the maximum temperature is + 40 °C, the relative air humidity shall not exceed 50%. A higher relative humidity is permitted at a lower temperature, for example, the relative humidity can be up to 90% at a temperature of 20 °C. Special measures shall be taken to protect against occasional condensation caused by temperature changes.				
Altitude		The altitude of the installation site should not exceed 2,000m.				
NC8 Drawn by	Pollution Level		Level 3			
Checked by	Installation conditions:		In addition to observing the safety precautions, the installation location should be protected from exposure to rain, snow, and steam. The product should be installed and operated in an environment free of significant shaking, shock,vibration, and conductive dust. Installation category: III. The inclination between the mounting surface and the vertical surface should not be greater than ±5°.			
Old Master Drawing Series No.	Transportation and Storage Conditions		Temperature range suitable for transportation and storage: -25°C ~+55°C			
Master Drawing Series No.	Housing Protection		IP00			
a Contactors of the same frame size refer to contactors that have the same overall dimensions and internal structure, but differ in specific dimensions and particularly rated operating currents. For example, NC8-1450 and NC8-1700 are contactors of the same frame size (1450~2100).						

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Operation Manual - Appendixes

Appendix 1 (Information to be contained on the cover)

For the technical information to be printed on the cover and relative requirements, please refer to the table below:

SN	Item	Specific Information	Remarks
1	Trademark	CHINT	To be designed uniformly by the Brand Management Department
2	CHINT cultural element	Lightning symbol	To be designed uniformly by the Brand Management Department
3	Product series model (or including specifications)	NC8-1260~2650	Inform users to identify the product series model and specifications
4	Product name	AC contactor	Inform users to identify the product name
5	Title	Operation Manual	According to the uniform requirements
6	Warm reminder	Thank you for purchasing our products! Please read the Operation Manual carefully before installing, using or maintaining the products.	Remind users to read the Operation Manual and keep it properly for future reference
7	Standard Compliance	GB/T 14048.4	Clearly indicate the standard(s) that products comply with. For products to be sold in China, only national standards, industry standards, group standards or manufacturers' standards will be indicated. For products to be exported overseas, international standards or standards of the export destination country will be indicated.
8	Edition no.	Edition: 8-2022	Specify the edition number of the operation man, for example "Edition: 5-2018"
9	Management system certification	According to the uniform requirements	According to the uniform requirements
10	Product QR code	/	Used for management of product-related information, or to guide users to access technical information related with products in electronic form, and identify the maintenance status of products according to their actual conditions.

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Appendix 2 Safety Precautions (to be printed in a prominent place on the back page of the cover)

The safety precautions to be printed should include the following information:



- 1) Do not install the product in an environment containing flammable and explosive gases as well as moisture and condensation. Do not operate the product with wet hands.
- 2) Do not touch the conductive parts of the product when the product is operating.
- 3) Always de-energize the circuit before installing, maintaining and servicing the product.
- 4) Always prevent children from playing with the product or its packaging.
- 5) Install the product by maintaining sufficient spacing and safety distances around the product.
- 6) Do not install the product in an environment where the presence of gas media could lead to corrosion of metal parts or damage to insulation.
- 7) Install and operate the product by using the standard wires and connecting the power supply and loads according to the specifications.
- 8) To avoid dangerous accidents, make sure to install and secure the product strictly according to the instructions.
- 9) After unpacking the product, check it for damage and the integrity of all the items contained.
- 10) Installation, maintenance and service of the product should only be carried out by qualified technicians.
- 11) It is important to tighten the terminal screws or bolts on a regular basis and remove the dust accumulated on the product.
- 12) Protection should be provided to prevent foreign matters from entering the product.

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Signature

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