

**OPERATING MANUAL FOR 63 SERIES
AUTOMATIC TRANSFER SWITCH**

1 Main uses and scope of application

-63 automatic transfer switch is a terminal type automatic transfer switching equipment newly developed by our company, applicable for three-phase four-wire (or one-phase one-wire) dual-supply power grid systems of AC 60Hz, rated voltage 400V/230V and rated current up to 63A. It transfers one or more load circuits to the other power supply when one of the power supplies goes wrong (it detects the A-phase voltage of normal power and A-phase voltage of reserve power only if there is no-voltage or open-phase), to ensure normal power supply for load circuits.

The products are in conformity with the standards IEC60947-6-1 and GB/T14048.11.

2 Normal operating and installation conditions

- 1) Ambient air temperature: $-5^{\circ}\text{C}\sim+40^{\circ}\text{C}$;
- 2) Altitude of the installation site shall not exceed 2000m;
- 3) Class of pollution: class 3;
- 4) Installation category: III;
- 5) Installation condition: vertically or horizontally installed.

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3) When there is load short-circuit or overload on the ATSE, its miniature circuit breaker will carry out protective tripping. If the power supply shows normal, while the handle of miniature circuit breaker is in closing position, and the miniature circuit breaker has carried out protective tripping, then user should place the controller in "Manual" and set the switch in the position of dual-supply opening by manual, find out the tripping cause in time and remove the trouble, then place the controller in "Automatic" let it run again.

4) When ATSE transfers from "Manual" to "Automatic", the normal power has the priority to be connected with loads if both the normal power and reserve power are in regular condition (even if the loads were connected with the reserve power before).

8. Notices

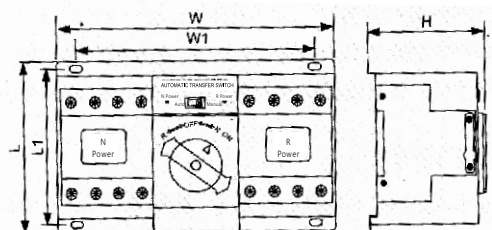
When carrying out tests or operations, users shall follow relevant rules and pay attention to the follows items, to ensure correct and safe use of ATSE.

- 1) Neutral line N should be wired correctly and reliably, otherwise, ATSE will be failed to work normally, even may burn out the controller and motor.
- 2) Protective grounding of ATSE must be reliable, guaranteeing safe operation.
- 3) Sampling signals of the working power supply of controller as well as the main circuit power supply for detection are got from the main circuit power side directly; and the indicator lamps used auxiliary terminal block working power supply is got from the main circuit, therefore, don't carry out withstand

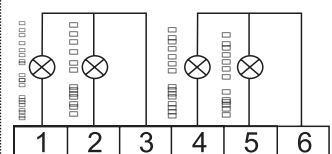
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5. Appearance And Installation Dimensions

63 type series



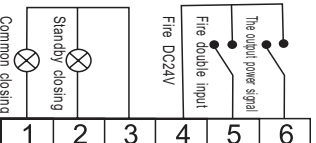
Indicating lamp connected power for the AC220V is strictly prohibited and foreign



- Terminal:
1. the commonly used electric indicator output
 2. common closing instructions output
 3. the common zero line output
 4. standby indicating electricity output
 5. spare closing instructions output
 6. alternate public zero line output
- Note: the double power supply for the lower Please:
The common zero line access terminal 3
Spare line access terminal 6

-63 (fire, power type) terminal

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Common closing
Standby closing
Fire DC24V
Fire double input
The output power signal

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