1. Scope of application
ATO-GCQ2 series double power automatic transfer switch (ATS) is suitable for power supply system of AC 50Hz/60Hz, rated working voltage 230V/400V, rated working current below 63A. Two loop of power sources can be switched according to the requirements. The product has overload, short circuit protection function, and also has the function of output closing signal. It is especially suitable for the lighting circuit in the office buildings, shopping malls, banks, hospitals, high-rise buildings and other places where the power cannot be off for a long time. The product meets the standard GB/T14048.11.

2. Model and its meaning

3. Normal working conditions and installation conditions

4. Structure and working principle
1. Dual power automatic transfer switch is mainly composed of two miniature circuit breaker, micro: controller and mechanical interlock device. The switch has 3 operation positions for user’s choice: common-used power supply (N) ON, dual power OFF (manual operation), standby power supply (R) ON.
2. High-breaking micro circuit breaker is adopted, with circuit breaker capacity and characteristics.
3. ATS has advantages of simple structure and practical function, easy operation, no noise, small impact, long service life.
4. It has electrical and mechanical double interlock function to ensure that the two power sources cannot be supplied at the same time.
5. Working principle: Dual power automatic transfer switch uses the controller to detect two circuits of power supply. When one power supply is abnormal, the controller makes a logical judgment for the detected result and send an instruction to drive the operating mechanism opening or closing, to ensure safe and reliable power supply to the load.

5. Important technical parameters

6. Wiring instructions
The wiring diagram is shown on the left and 2P/3P/4P ATS main part wiring is shown from top to bottom. Other specific matters need reading attention are as follows:
1. Do not respectively connect the neutral line (null line) and live line (phase line).
2. Other terminals are closing signal feedback wiring terminals, output power voltage 220V AC. Do not touch by your hands or short circuited. Please wire it according to the instruction near the terminals.
3. For 3-Pole ATS, it must connect the neutral lines of common power supply and standby power supply to the corresponding terminals respectively. Otherwise, the ATS cannot be automatically switched.
4. Do not flip the handle when the ATS is in automatic mode.
5. The signal feedback terminals can be selected to connect or not by user.

7. Dimensions and installation dimensions

8. Notes on Orders
1. Product name, model specification and quantity.
2. If you have special installation conditions or sites, please provide the relevant technical information with our company to make further discussion.

9. Warranty and after-sales service
This product is guaranteed for twelve months from the date of production (whichever date is specified on the product). However, the warranty is invalid in the following cases:
1. After the quality control department of the company investigated, it was found that the use of the product does not meet the requirements or the actual use of the product does not conform to the industrial conditions.
2. The procedures of the return of the product is inconsistent with the above. When returning the product, it must provide a valid description of failure.
3. Earthquake, fire, abnormal voltage, other natural disasters and other reasons.
4. Self-disassemble or modify the product and improper maintenance.

100% attention: Focusing every process, pursuing perfection; 100 quality: Achieve the perfect in quality by avoiding the shortcoming! 100% service: Your satisfaction is our biggest wish! 100% brand: To become the first brand of national electrical industry!

Any questions, please contact us...
>> Email: sales@ato.com
>> Phone: +1 800-585-1519
>> Website: www.ato.com

Before installing and using the product, please read the product manual in detail and keep it properly.