

YEQ1 63 Automatic Transfer Switch CB-class



Power Switch: YEQ1-63 Automatic Transfer Switch CB-class

Rated current: 6A~63A

Poles: 3P, 4P

Functions of Automatic Transfer Switch CB-class (YEQ1-63):

The main power has over-voltage protection functions;

No capacity of issuing signs to generate motors;

Auto / manual transfer options;

YEQ1 series of Dual Power Automatic Transfer Switch consists of two 3-electrode or 4-electrode micro-breakers and some other accessories (assistance, alarming contacts) such as mechanical interlocking setup and controllers and so on.

Characteristics of YEQ1-63 Automatic Transfer Switch CB-class:

-Compact design with a simple structure, easy operation and a long life-span, 3p or 4p is available;

-Switch conversion applies single motor drive, stable, no noise and with a little wallop;

-Including mechanical and electrical interlocking, manual and automatic transfer are available with conversion reliabilities;

-Different rated currents of normal and backup breaker are allowable;

-There is a connection terminal in A.T.S for users to connect cables and it can also reflect the on/off status of the breaker. There are various instructions on A.T.S panels.

Working Principle of YEQ1-63 Automatic Transfer Switch CB-class

When the main power supply of automatic transfer switch keeps normal and function keys are on automatic shift, the backup breaker opens and the normal breaker closes to ensure the latter one connect the load. If one or three-phase of the normal power breaks voltage, ATS will transfer the load from the normal circuit to the backup circuit (while the backup circuit has a normal voltage) and return it to main circuit while main power supply recovers.

Operation and Maintenance of YEQ1-63 Automatic Transfer Switch CB-class

Manual operation is always available no matter whether there's a voltage in normal and backup power supply or not, while manual operating, you should set manual/automatic key on manual position and push it in a clockwise direction to the terminal, then the backup power supply complementary breaker QR opens, and the main power supply complementary breaker QR closes: When pushing in a counterclockwise direction, the states of breakers will be totally reversed. The power indicating light of the panel represents the working power supply of automatic control box, if it's off; it means power supply of the control box goes wrong and should not adjust the switch. After the normal recovery, set manual/automatic key on automatic position. Set automatic transfer switch on the circuit no matter normal or backup ones as long as it can keep main power supplying, the corresponding lights will be

on. There are two 1A fuse breakers and a connection terminal in the transfer switch and the fuse breaker can be used as a automatic fuse breaker to protect short-circuit. The connection terminals used to distribute current that assist connecting the indicating lights on the control panels with a voltage of 220V and a current of 150mA, refer to the accompanied manual and current chart for detailed operation information to connect.

Trouble-analysis and Exclusion of Automatic Transfer Switch:

When the supplied power changes under the automatic control status, the electronic-operation organs don't run just as the small breaker don't close or open, then you should first check:

- 1) Whether all circuits of one electric grid are power cut
- 2) Whether there are cables breaking off
- 3) Whether the fuse itself has been broken, if front terminals of any breaker are power on and with a correct connection and a good fuse but still couldn't close or open, you should invite the professional persons or contact the manufacture.

Order Notice

while ordering our YEQ1-63 transfer switch, you should note the model, specifications, the model and series of equipped breakers. For example: to order an automatic transfer switch appliance, self-transfer and self-recovery type, rates current of 50A, 4P, you can write it like this: YEQ1-63/4P(50A).Please contact the manufacturing company for special requirements, and described in the order.

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