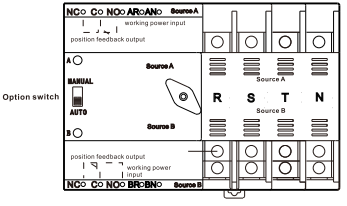
Second line diagram

Automatic control mode Electrical diagram:

Main power R phase failure, when the standby power voltage reaches 220±10% V,The switch automatically switches to the standby power side, without any delay, the standby closing light automatically lights up.

When main power voltage is restored, the switch immediately switch to main power, without manual reset, the main power closing light automatically lights up.

Automatic control mode for switching between the two mains, or without any conversion delay under the conditions of use.

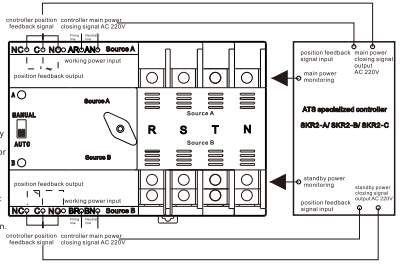


Controller control mode Electrical diagram:

ASKQ series switch can be used with ATS dedicated controller, when the controller monitors main power failure, automatically issued to the standby power self-starting instructions (such as self-starting generator), the standby power voltage is normal, the switch automatically switch To the side of the standby power.

When main power is restored, the controller stops the self-starting signal output, the switch is automatically switched to main power side, the standby power enters the cooling operation flow. The controller control mode is suitable for the conversion between the mains and the generator set, or the need for conversion delay.

The optional ATS special controllers are: SKR2-A / SKR2-B / SKR2-C
Please visit www.aisikai.cc
Inquiry or call 800-828-6568 consultation.



Maintenance, inspection items

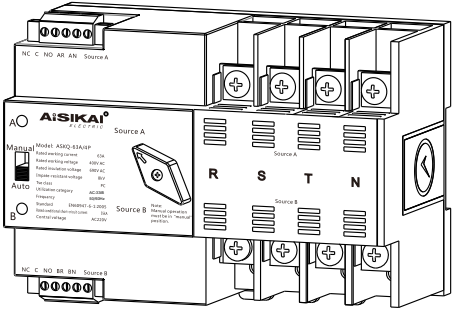
1、To prevent dust, dirt cause trouble, please clear.
2、Please check whether the electrical contact part of the deformation damage, remove the contact surface and metal particles, burning marks.
3、The contact surface rust, acid and dust can causepoor contact, please manual operation ATS several times, need to measure contact resistance.

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AiSIKAI®
POWER THE FUTURE

THE OPERATION MANUAL
ASKQ1 SERIES
25V1.0



AUTOMATIC TRANSFER SWITCH

Product Overview

ASKQ series dual power supply automatic transfer switch is our latest development and production of miniature household power switch , the switch belongs to grade PC do not frequently switch, suitable for AC 50Hz, rated current 6A-63A AC power distribution system, mainly use to detect the user's main power or standby power if normal, when power abnormal immediately switched to the standby power supply ,ensuring supply continuity, reliability and security.

Performance and features

1、the excitation type electromagnet drive, switching speed, control voltageAC 220V.
2、the body of switch is provided with main power / standby power switch indicator, switch stateclear
3、automatic mode with the self - switching function, whentwo power supply at the same time, main power supply priority.
4、modular structure design, flame retardant SMC material shell, beautiful appearance.
5、the track type installation, compact structure, small volume, easy installation and maintenance

Technical parameters

1、Control power: AC 175V--240V(AR-AN,BR-BN)
2、Rated voltage: AC 220V (2P) or AC380V (3P/4P)
3、Rated frequency: 50/60Hz
4、Rated current: 6A,10A,16A, 20A, 25A, 32A, 40A, 50A, 63A
5、Power consumption: under the rated voltage control circuit of consumed power is not more than 0.1VA.
6、Normal working temperature range: -25-+70℃
7、Normal working humidity range: 20-90%
8、Weight: 0.5Kg.

Attention before operation

1、Please check whether the input voltage before operation meets the requirements.
2、Please first test ATS in the manual position if working normal , then please go to test switch in Automatic position
3、RED represents ATS on open state, Green represents ATS on closing state
4、If the ATS mild damp or a long time idle unused, should be dried before power.Dust,dirt,measured with 500V megger, commonly used, spare, the load side and its pole, including all live parts and metal floor insulation resistance between the insulation resistance should not be less than 10MΩ can be used.

Storage conditions

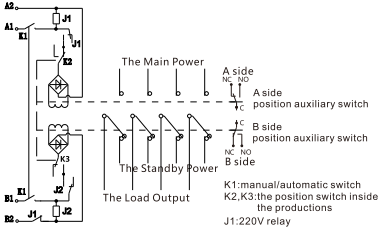
1、should be stored in the same working conditions with the normal environment, with dust, moisture and anti-bump measures.

Internal electrical diagram

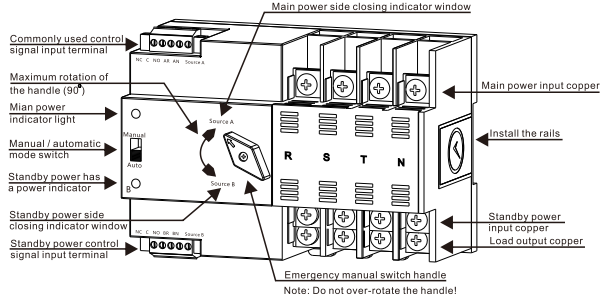
ASKQ stype Switch inside adopts AC220V signal drive, A1 and A2 (B1, B2) of ac signal through silicon rectifier circuit at the input to the dc signal to drive the excitation type electromagnet ,ATS instantaneously transfer

Switch internal mechanical and electrical double interlocking, put an end to the main power supply andstandby power supply appears down either, ensure the safety of users.

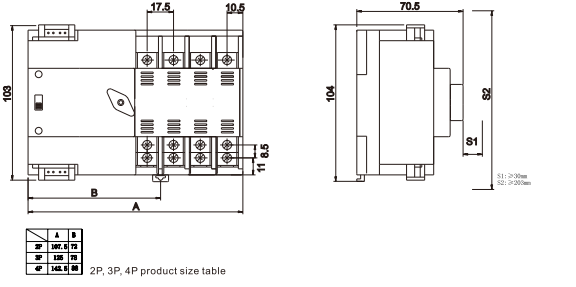
The two position auxiliary switch and the ATS movable contact action at the same time, can be used for external light.



Structural description



Dimension drawing



	A	B
2P	107.5	79
3P	125	70
4P	142.5	88

2P, 3P, 4P product size table

First line diagram

