DECLARATION

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AISIKAI-ATS-ASKQ1-PSG-25V1.0

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AiSIKAI®

POWER THE FUTURE

AUTOMATIC TRANSFER SWITCH

SELECTION GUIDE

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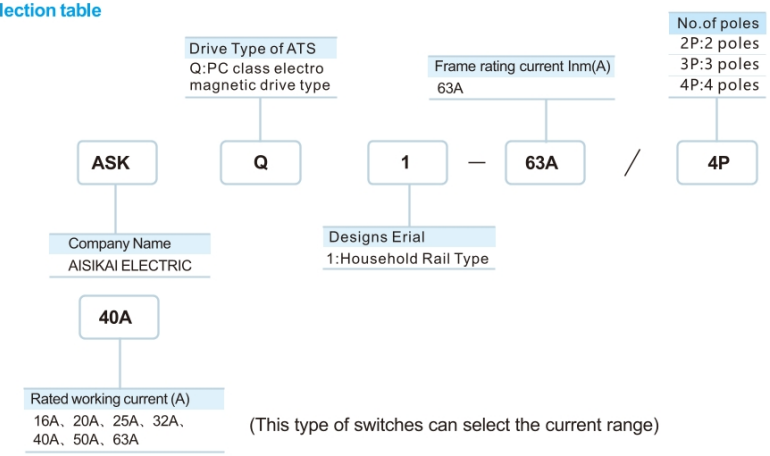
JIANGSU AISIKAI ELECTRIC CO.,LTD

ASKQ1 SERIES PC CLASS ATS (ELECTROMAGNETIC DRIVEN TYPE)

PRODUCT OVERVIEW

● ASKQ series dual power automatic transfer switch is PC Class non-frequently operable electrical transfer switch. It has 3 working modes: Fully Automatic, Electric and Emergency Manual. It is suitable to be used in the 50/60Hz 6A-6300A low voltage AC power distribution systems for reliable transfer between two power supplies.

Quick selection table



(This type of switches can select the current range)

Design Marking

ASKQ
PC Grade

Model Description:

ASKQ1-63A/4 P 40A:
1、Class PC electromagnetic driven type automatic transfer switch
2、household rail type, frame rating current 63A
3、rated operational current 40A
4、4 poles of copper bars
5、automatic switch to standby and automatic return to main

QUALIFICATION DOCUMENTS





OVERVIEW



● ASKQ1 double power automatic transfer switch is Class PC infrequently operated electric transfer switch. Switches are suitable for the reliable conversion of two power supplies in 50/60Hz 16A-63A low voltage AC power distribution system. There are three working modes: automatic, electric and emergency manual.

PRODUCT FEATURES

● The excitation type electromagnet drive is adopted, which is extremely fast in transferring.
● 16A-63A switch is suitable for home use, meeting the requirements of the third level power distribution system. The rail mounting is convenient for fast installation.

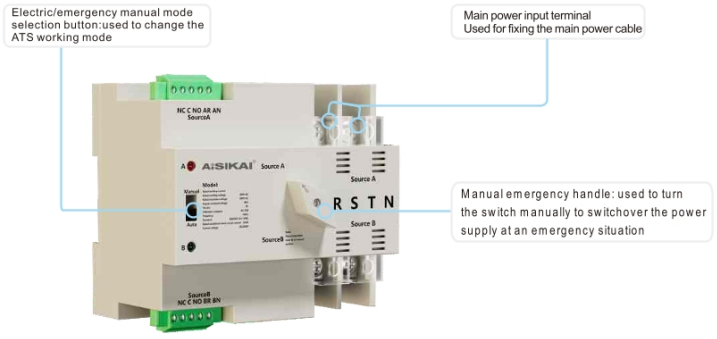
Normal Operating Conditions And Installation Methods

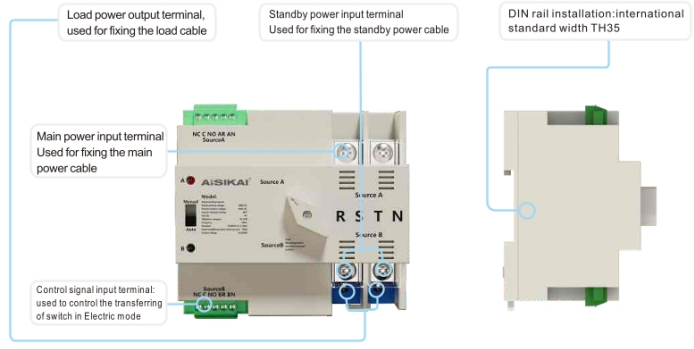
Item	Requirements
Temp	-5 to +40°C, 24h average not to exceed +35°C;
Humidity level	The average humidity does not exceed 50% at +40°C. Higher relative humidity may be permitted at lower temperatures, e.g. up to 90% at +25°C. Special measures should be taken for occasional condensation due to temperature changes.
Altitude	Less than 2,000 meters, over 2,000 meters please reduce the rating to use;
Vibration and gas	The use of the environment without strong vibration and shock, no corrosion of metals and damage to the insulation of harmful gases;
Surrounding materials	Free of heavy dust, conductive particles and explosive hazardous substances;
Contamination level	Conforms to the pollution level 3 specified in GB/T14048.11.
Installation category	Conforms to the installation category III specified in GB/T14048.11.
Installation	Vertically mounted in control cabinets and distribution cabinets.

MAIN TECHNICAL PARAMETERS (16A-63A)

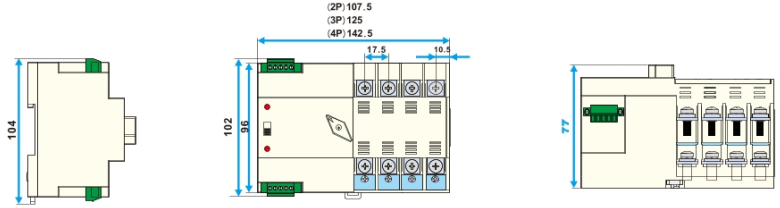
Rated operating voltage of copper bar **Ue**	**AC 400V(3P、4P) AC230V(2P)**
Rated operating current of copper bar **Ie**	**16A、20A、25A、32A、40A、50A、63A**
Rated insulation voltage of copper bar **Ui**	**690V AC**
Rated impulse withstand voltage **Uimp**	**8kV**
Rated lim its hort-circuit current **Iq**	**Fuse for protection 100kA** **Circuit breaker for protection 50kA**
Transferring time **I-IIor II- I**	200ms(AC220V-230V)
Use category	**33iB**
Electrical Class	**PC class**
Use frequency	**50Hz~60Hz**
Applicable standards	**IEC60947.1 GB/T14048.11**

STRUCTURE INTRODUCTION (16A-63A)



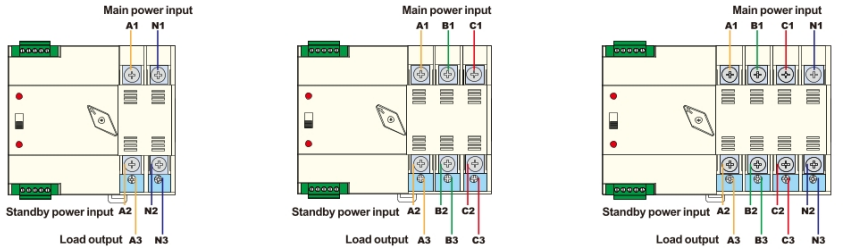


OUTLINE DIMENSIONS DIAGRAM (16A-63A)



TYPICAL WIRING DIAGRAM(16A-63A)

Primay wiring schematic diagram



Note:

1.When in Manual mode, first connect the main power and standby power input terminals properly and, having verified that the live wires and neutral wires of both power supplies are consistent, connect the load output cable.

2.When needing manual operation, first set the button in Manual position, then turn the handle to transfer.

Secondary wiring schematic diagram

- Full-auto control method electrical diagram

