1.General

EATS2 series small dual-power automatic transfer switch is suitable for dual-power supply system with AC 50/60Hz, rated voltage 400V and rated working current 63A.
It can be switched between main and standby circuits as required. The product has overload and short circuit functions. Especially suitable for lighting circuits of shopping malls, banks, high-rise buildings, etc. Comply with IEC60947-6-1.

2.Nomenclature

EATS 2 - 63 □ □

- Poles: 3P,4P
- Rated current
- Frame level
- Design code
- EBASEE ATS Model

3.Working condition

1. Reasonable structure, small size, beautiful appearance, equipped with protective cover, power supply is safer and more reliable.
2. The protection function is complete, with short circuit, overload, lack of equal protection.
3. When switching to standby power supply, there are two small toggle switches to control the start and stop of the generator.
4. Function of accessory green terminal block:

A) when the common power supply is powered normally, the indicator light of the common power supply is on, and there is 220V AC voltage output at terminal port ① ②; When the standby power supplies power normally, the indicator light of the standby power is on, and 220V AC voltage is output at terminal port ① ③.

B) When the terminal port ④ ⑤ is connected with DC 24V power supply, EATS switches to the middle double-opening state to realize the fire fighting function;

C) when the two small toggle switches are in the closed state, the common power supply is cut off, ④ ⑥ terminal port is in the closed state, and the generator can be enabled. When any small toggle switch is turned off, terminal port ④ ⑥ is turned off, and the genera tor cannot be started.

5. Noise-free operation, energy saving, convenient installation, simple operation and reliable and stable performance.

4.Operating Conditions

1. The installation altitude should not exceed 2000 meters.
2. The upper limit of ambient temperature is not higher than +40℃, the lower limit is not lower than -5℃, and the 24-hour average value is not higher than +35℃.
3. The relative humidity of the atmosphere should not exceed 50% when the ambient air temperature is +40℃. At lower temperature, it can have higher humidity. It should be considered that the temperature change will produce condensation on the product surface.
4. Places where there is no explosive medium, and the medium is not enough to corrode and destroy the insulating gas and dust, and there is no strong electromagnetic interference, no obvious shaking and impact vibration.
5. The pollution level is Class III.

5.Performance

1. Automatic transfer switch is made of two small MCB and motor and mechanical interlocking transmission. Monitor the double power through controller. When circuit happen unmoral that controller monitor it and make judge. Based on the order from cooperation system open or close to ensure the circuit supply normal power.
2. Connect and breaking capacity.

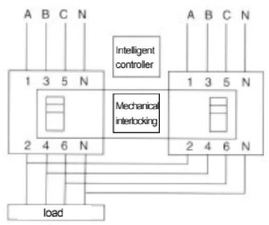
Connect and breaking capacity						
Use classes	Test condition					
	I/Ie	U/Ue	Cos4	Conduction time (S)	Cycle time (min)	Cycle index of operation
AC-33B	6.0	1.05	0.5	0.05	≤5	12
Note: Under Continuously cooperates, motor load or include motor, resistive load's mixed load						

3. Rated short circuit breaking capacity: 3kA
4. Rated short circuit making capacity: 3kA
5. Transfer time: ≤3s
6. Control Voltage: AC230V.
7. Mechanical life(changeover between main power and backup power): 3,000 times Electrical life: 1,500 times
8. Rated insulation voltage: U=500V
9. Rated working voltage: 10A,16A,20A,25A,32A,40A,63A.
10. On usual, changeover switch has auto-switch auto recovery function and main power is prior. If need auto-switch non-auto recovery changeover switch in special occasion, it can be customized.

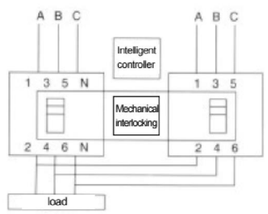
6.Operation and Installation

Connecting inlet-outlet line, null line of main power and backup power according to actual need of design circuit. The outlet line of the two sets circuit breakers should be connected in parallel, but the phase sequence should stay the same. (See connecting line).
If the circuit breaker is in 3 poles, the null line need to connect the null line terminal of the changeover switch. (In chart 6.2 the main power line and backup power line should connect separately to 2# 4# terminals)

6.1.Connecting chart of main circuit

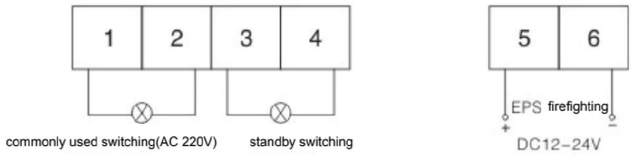


4 poles connecting chart



3 poles connecting chart

6.2.External power source closing instructions & fire power connecting chart



When the changeover switch need to be operated by manual, if the product model is I, the button switch should in manual operation position, then changeover between main power and backup power can be achieved by turning handle. If the product model is II, push the manual/automatic button, when the indicating light is on, then the changeover between main power and backup power can go on. Let the control pattern in automatic position, the changeover switch enters into automatic working condition and the main power is prior.
When the changeover switch is connected well according to connecting chart, after normal electricity, if everything is well with main power and backup power, the indicating light of main power or backup power is on and the changeover switch works normally.

7.Order Note

Users should provide the following details:
1. product name, model, specification and quantity
2. If there are special installation conditions or special places for use, provide corresponding technical data or negotiate with our company.