## 1.General

The dual power automatic transfer switch is a newly developed miniature household power transfer switch. This switch is mainly used to test whether the main power supply or backup power supply is normal. When the normal power supply is abnormal, the backup power supply will start to work immediately to ensure the continuity, reliability and safety of the power supply. This product is specially designed for home track installation. The dual power automatic transfer switch is suitable for emergency power supply system with 50 or 60Hz rated 400V alternating current. Features of easy installation and maintenance and long life. It is widely used in various occasions where the power cannot be continuously cut off. It can work reliably and can be operated manually.

## 2.Working Condition

- Ambient air temperature: The highest temperature does not exceed 40°C and the lowest does not fall below -5X: The average temperature within 24h is not higher than 35C.
- Altitude: the altitude of the installation point should not be higher than 2000m
- Atmospheric conditions: When the maximum temperature reaches 40 degrees, the relative humidity of the installation site should not exceed 50%; when the minimum temperature is -5 degrees, the relative humidity is higher, for example: the temperature is 25 degrees, and the relative humidity is 90%. Due to temperature changes, special measures should be taken to deal with occasional product condensation on the product surface.
- Pollution degree: in line with GB/t 14048.11 specified level 3
- Installation category: in line with the specified category in GB/t14048.11
- Installation conditions: It can be installed vertically in a control cabinet or power distribution cabinet. Ensure that the installation distance meets the requirements in Figure 1.

## 3.Nomenclature

**EATS 6 - □ □ / □ □ □**

- Usage(3): R, S, I, F
- Poles: 3P,4P
- Rated current
- Controller type(2): A,B,C,D
- Frame level
- Design code
- EBASEE ATS Model

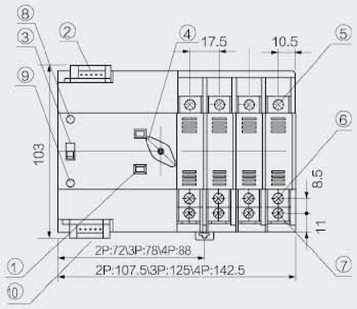


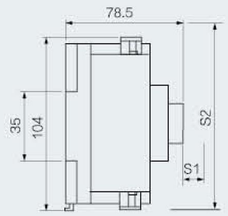


## 4.Technical Parameters

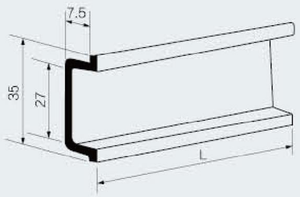
| Project | | | |
|---|---|---|---|
| Rated current IeA | 16, 20, 25, 32, 40, 50, 63, 80, 100 | | |
| Insulated voltage Ui | AC690V,50HZ | | |
| Rated voltage Ue | AC400V,50Hz | | |
| Level | PC level: can be manufactured and withstood without product short-circuit current | | |
| Use category | AC-33iB | | AC-31B |
| Poles | 2P | 3P | 4P |
| Weight | 1.7 | | |
| Characteristic | Life: 2000 times; 5000 times of manual operation | | |
| Rated short-circuit current iq | 50kA | | |
| Short-circuit protection device (fuse) | RT16-00-63A | | |
| Rated impulse withstand voltage | 8kV | | |
| Control circuit | Rated control voltage Us: AC220V, 50Hz Normal working conditions: 85%Us-110%Us | | |
| Auxiliary circuit | 2 relays, each with two sets of contact converter contact capacity: AC220 50Hz Ie=5y | | |
| Contactor conversion time | < 50ms | | |
| Operation conversion time | < 50ms | | |
| Return conversion time | < 50ms | | |
| Power off time | < 50ms | | |

## 5.Dimension and Installation Size (mm)




Safe distance: S1≥30mm
S2≥230mm




① On/off indicator light

② Commonly used wiring terminals (AC220V)

③ Selection switch (manual/automatic)

④ Manual knob

⑤ Commonly used main wiring terminals on the power supply side

⑥ Main wiring terminal on the standby power supply side

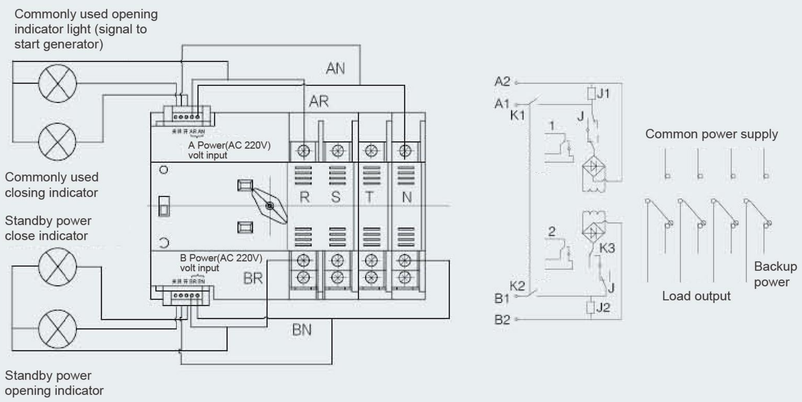
⑦ Main line terminal on load wiring side

⑧ Power A indicator

⑨ Power B indicator

⑩ Standby terminal (AC220V)

## 6.Controller Wiring Diagram and Internal Wiring Diagram







K1: manual/automatic selection switch

K2, K3: product internal valve position switch

J1: Commonly used 220V A power relay

J2: Spare 220V B power relay

1: A power supply passive signal output

2: B power passive signal output