

# FTS-63

## Dual Power Transfer Switch (CB Class)

FTS Micro-Breaking Dual Power Transfer Switch (hereinafter referred to as transfer switch) is suitable for AC 50/60Hz dual power supply system with rated operating voltage of 400V and rated operating current from 16 - 63A. Optional transfer of dual power can be made according to requirement. The product owns short circuit, overload, under voltage and loss-of-voltage protection function, as well as fire protection, double-break and output ON signal function. It's especially suitable for lighting circuit of office building, mall, bank, bus station and high-rise building requiring fire product complies with GB/T 14048.11 standard.



## Product Performance

- The transfer switch is composed of two FER-63 Micro-Breaking and motor and mechanical rotating device, and make detection to dual power through controller, when abnormality controller, when abnormality occurs to the circuit, the controller will make a logic judgment for the detection result and drive the operating mechanism to switch on or off according to command of controller, ensuring safe and reliable and stable performance.
- Rated short circuit breaking capacity: 3kA
- Rated short circuit making capacity: 3kA
- transfer time: 3S
- Control voltage of transfer switch: AC230V
- Mechanical life of transfer switch(transfer of normal and reserve power): 3000 times, electric life: 1500 times
- Rated insulation voltage: U=500V
- Rated working current: 10A,16A,20A,32A,40A,50A,63A
- The transfer switch has auto throw-in self-restoring function with the normal supply operating preferentially in common condition, the user shall negotiate with the manufacturer during order placing for any other special requirement such as transfer switch of auto throw-in nonself-restoring mode.

## Specifications

### Making and Breaking Capacity

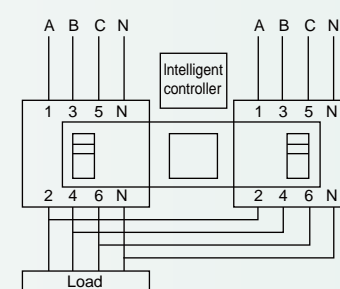
Utilization Category	Making and Breaking Test Condition					
Utilization Category	I/le	U/Ue	Cos	Electrical time(s)	Duration of cycle(min)	Number of operating cycles
Ac-B33	6.0	1.05	0.5	0.05	5	12

Note: AC-B33 motor load or combined load including motor and resistance load under infrequent operation condition

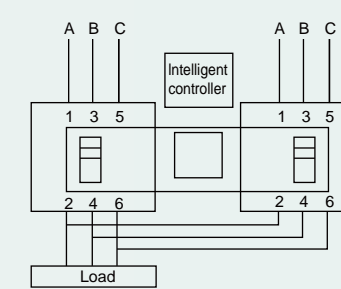
## Working Conditions

- The ambient temperature shall not be higher than +40°C, or lower than -5°C, and the daily average shall not exceed +35°C.
- The altitude of installation site shall not exceed 2000m.
- Relative humidity shall not exceed 50% at the ambient temperature of +40°C, a higher humidity is allowable at a lower temperature, the average maximum relative is 90% in the wettest month at a monthly average minimum temperature of +25°C, and special measures shall be taken for the condensation on surface of product due to temperature change.
- Pollution class: class III.
- In place of no intense vibration and impact, no harmful gas corrosive and disruptive to the insulation, no severe dust, no conducting microparticle and explosive substance, no high electromagnetic interference.

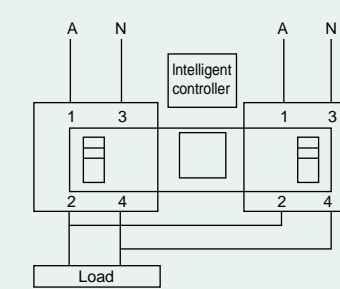
## wiring diagram



4-poles wiring diagram



3-poles wiring diagram



2-poles wiring diagram

## Product Features

- Reasonable structure, small volume, nice appearance, with provided with protective shield, safer and more reliable power supply.
- Complete protective functions, including short circuit, overload, open phase and loss-of-voltage protection.
- Reliable remote double-break with EPS fire protection power supply interface DC12-24V.
- Noiseless, energy saving, simple installation, easy operation, reliable and stable performance.