

# FNTS-125

## Dual power automatic transfer switch

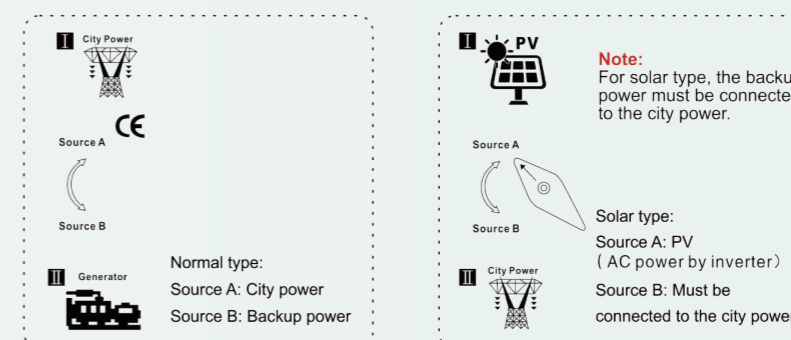
The dual power automatic switch is a newly developed miniature household power switch, which is mainly used to test whether the main power supply or standby power supply is normal. When the normal power supply is abnormal, the standby power supply starts to work immediately, which ensures the continuity, reliability and safety of power supply. This product is specially designed for household rail installation and is specially used for PZ30 distribution box.



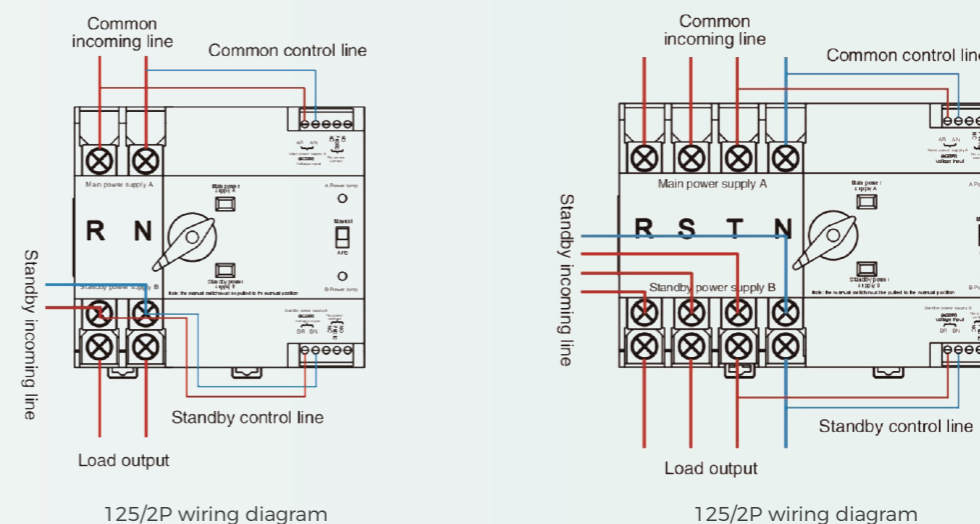
### Main technical parameters

| Pole No.                                   | 2P  | 3P  | 4P  |
|--|---|-----|-----|
| Weight(kg)                                 | 1.7   | 2.1 | 2.6 |
| Electrical                                 | Life: 2000 times; Manual operation: 5000 times  |     |     |
| Rated short circuit current I <sub>q</sub> | 50kA  |     |     |
| Short circuit protection device (fuse)     | RT16-00-63A   |     |     |
| Rated impulse withstand voltage            | 8kV   |     |     |
| Control circuit                            | Rated control voltage U <sub>s</sub> : AC220V/50Hz Normal working conditions: 85-110%U <sub>s</sub> |     |     |
| Auxiliary circuit                          | 2 relays, each with two sets of contact converter contact capacity: AC220V/50Hz I <sub>e</sub> =5y  |     |     |
| Conversion time of contactor               | <50ms   |     |     |
| Operation conversion time                  | <50ms   |     |     |
| Return conversion time                     | <50ms   |     |     |
| Power off time                             | <50ms   |     |     |

### Wiring diagram



### Wiring diagram



### General

- The dual power automatic switch is suitable for emergency power supply systems with 50 or 60Hz and rated 400V AC. ATS has the characteristics of solid structure, reliable conversion, convenient installation and maintenance and long service life. It is widely used in various occasions where power failure cannot be sustained, and can be operated by electricity or manually. ATS is composed of TSE and controller.
- According to GB/T14048.11, Part 6-1: multifunctional equipment and switchgear is formulated. It can be seen that ATS is the most qualified low-voltage switchgear and control device.

### Main technical parameters

| Specification                     | 125A  |                |              |
|-----------------------------------|---|----------------|--------------|
| Rated current I <sub>e</sub> (A)  | 16, 20, 25  | 32, 40, 50, 63 | 80, 100, 125 |
| Insulation voltage U <sub>i</sub> | AC690V, 50Hz  |                |              |
| Rated voltage U <sub>e</sub>      | AC400V, 50Hz  |                |              |
| Classification                    | PC class: can be manufactured and withstood without short circuit current |                |              |
| Utilization category              | AC-33iB   |                |              |