

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.



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.

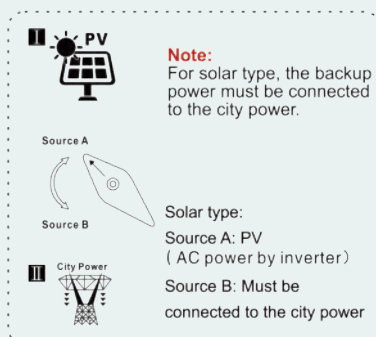
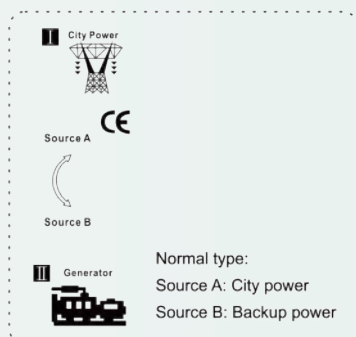
Main technical parameters

Specification	125A		
Rated current Ie(A)	16, 20, 25	32, 40, 50, 63	80, 100, 125
Insulation voltage Ui	AC690V, 50Hz		
Rated voltage Ue	AC400V, 50Hz		
Classification	PC class: can be manufactured and withstood without short circuit current		
Utilization category	AC-33iB		

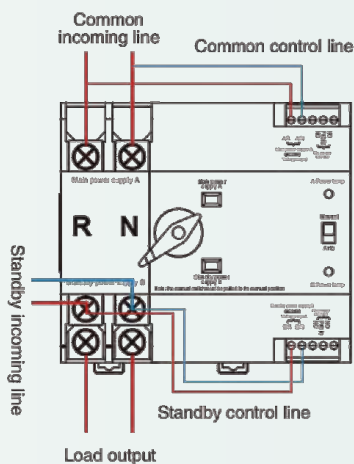
Main technical parameters

Pole No.	2P	3P	4P
Weight(kg)	1.7	2.1	2.6
Electrical	Life: 2000 times; Manual operation: 5000 times		
Rated short circuitcurrent Iq	50kA		
Short circuit protection device (fuse)	RT16-00-63A		
Rated impulsewithstand voltage	8kV		
Control circuit	Rated control voltage Us: AC220V/50HzNormal working conditions:85-110%Us		
Auxiliary circuit	2 relays, each with two sets of contact converter contact capacity: AC220V/50Hz Ie=5y		
Conversion time of contactor	<50 ms		
Operation conversionI time	<50 ms		
Return conversion time	<50 ms		
Power off time	<50 ms		

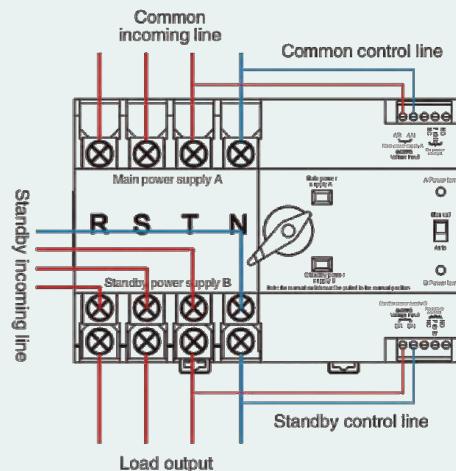
Wiring diagram



Wiring diagram

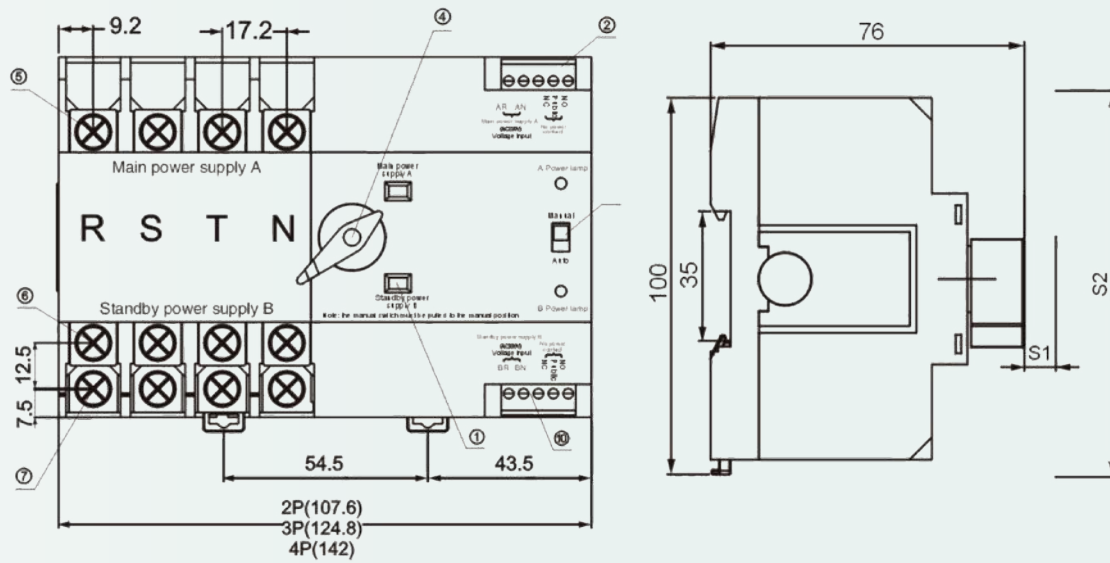


125/2P wiring diagram



125/3P wiring diagram

Dimension



Safe distance: s1: $\geq 30\text{ mm}$ S2: $\geq 203\text{ mm}$

- 1、Status position indication
- 2、Main power terminal and passive signal(AC220V)
- 3、Manual / automatic switch
- 4、Manual handle
- 5、Main terminal of common power side
- 6、Main terminal of standby power side
- 7、Main terminal of load connection side
- 8、A power indicator
- 9、B power indicator
- 10、Standby power terminal and passive signal(AC220V)