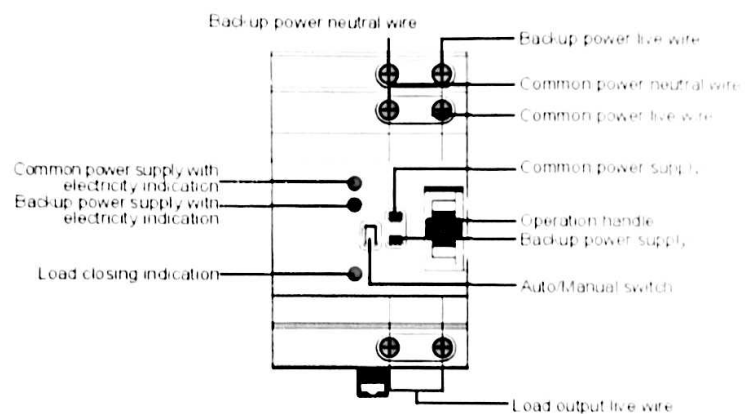
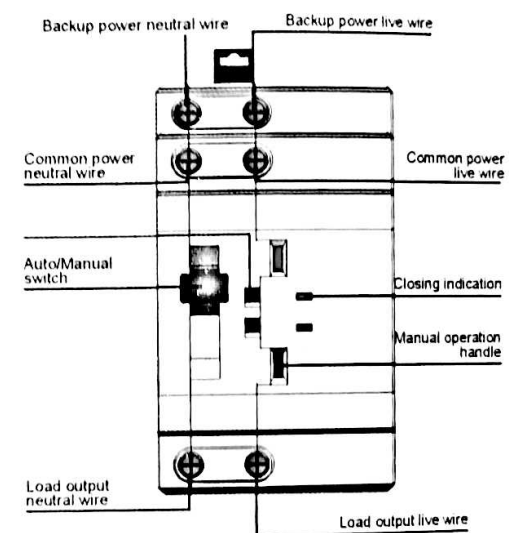


5. Wiring Instructions



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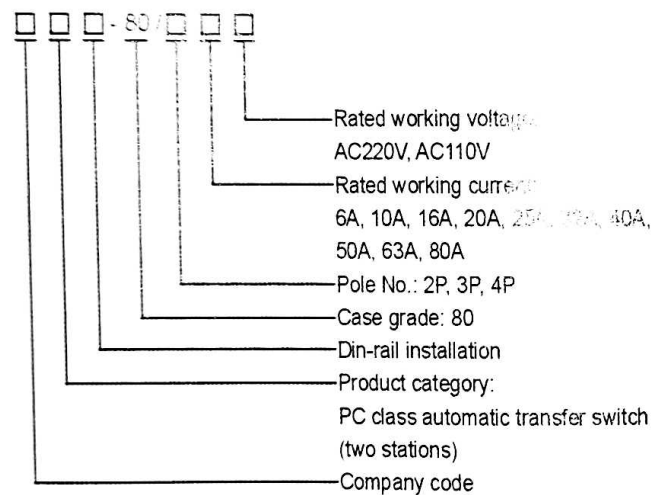
4. Main Technical Parameters

Case grade	63 80									
Rated operating current Ie(A)	6A	10A	16A	20A	25A	32A	40A	50A	63A	80A
Rated insulation voltage Ui	690V									
Rated impulse withstand voltage Uimp	8kV									
Rated working voltage Ue	AC220/AC110V									
Rated frequency	50/60Hz									
Class	PC class: can be switched on and off without generating short-circuit current									
Pole number	2P, 3P, 4P									
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									

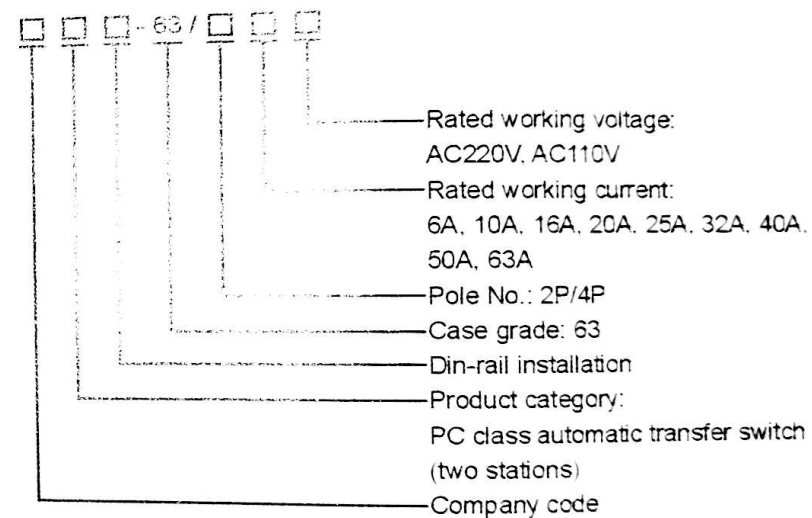
Auxiliary circuit	AC220V/110V 50Hz Ie=5A
Contact change-over time	<50ms
Operation change-over time	<50ms
Return change-over time	<50ms
Power off time	<50ms
Change-over operation time	<50ms
Mechanical life	≥5000 Times
Electrical life	≥1500 Times
Usage category	AC-31B

*: If the rated working voltage is AC110V, the product needs to be customized.

3. Model & Meaning



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1. Product Overview

Automatic transfer switch is a PC class infrequent change-over switch, with two-station design (commonly used for A and standby for B), suitable for AC systems with AC 50-60Hz and rated current 6-80A. The main function of the automatic transfer switch is when the main power (common power supply A) fails, the ATS will automatically switch to the backup power (Backup power supply B) to continue working (switching speed <50 milliseconds), which can effectively solve the troubles caused by power outages.

2. Working Conditions

- ◇ The temperature range of the operating environment is $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$, and the average temperature within 24 hours shall be lower than $+35^{\circ}\text{C}$, and the temperature range of the storage environment is $-25^{\circ}\text{C} \sim +55^{\circ}\text{C}$, which can be reached $+70^{\circ}\text{C}$ in a short time (within 24 hours).

- ◇ The altitude of the installation site should be lower than 2000m.
- ◇ The relative temperature at the installation site shall not exceed 50% when the ambient air temperature is $+40^{\circ}\text{C}$. Higher relative humidity is possible at lower temperatures. For example: when the average minimum temperature of the wettest month is $+20^{\circ}\text{C}$, the monthly average maximum relative humidity of that month can reach 90%. Appropriate measures should be taken to prevent condensation due to temperature changes.
- ◇ Pollution level 3 (conductive pollution, or dry non-conductive pollution becomes conductive due to condensation). ATS can be installed vertically or horizontally in the cabinet, if there are special installation requirements, contact us.
- ◇ The protection grade of ATS case is IP30.
- ◇ Overvoltage category
Main circuit category III; control auxiliary circuit category II.