

D2-80 Series dual power automatic transfer switch



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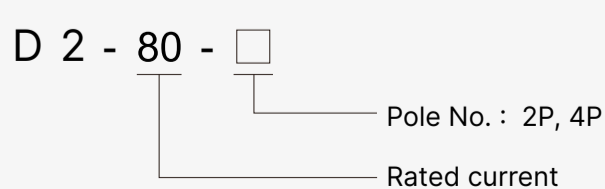
Summary

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 10-80A. 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.

Performance and Features

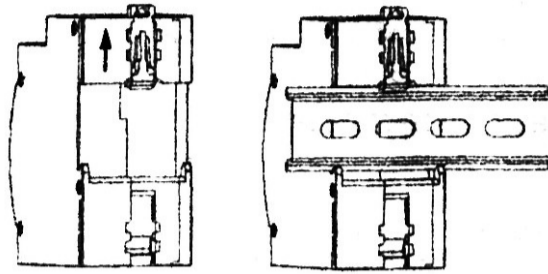
- ★ Driven by an exciting electromagnet, the conversion speed is extremely fast, and the default control voltage is AC230V (AC110V can also be customized).
- ★ The switch body is equipped with power on indicators for common power supply, backup power supply, and load power supply, and the switch status is clear and distinct.
- ★ In automatic mode, it has a self switching and self restoring function. When both the I and II power supplies are present, the I power supply takes priority in supplying power.
- ★ Modular structure design, same side incoming line, convenient for customers to connect wires. The total weight is ≤0.5kg, the structure is compact, the volume is small, and the installation and maintenance are very convenient.
- ★ The product is equipped with an arc extinguishing system inside. After the arc enters the arc extinguishing grid, it is divided into many series arcs, which are stretched, cooled, and extinguished by electromagnetic force. The shell is made of fire-resistant material, which keeps it away from fire. The overall appearance of the PCB is coated with three proof paint to overcome complex usage environments.
- ★ Built in power sampling line (users do not need to connect a separate control power line), the switch only needs to be connected to the main circuit to achieve automatic conversion function.

Model and Meaning



Installation method

Din rail installation



Precautions before operation

- ★ Before operation, please check if the voltage input meets the requirements. When the rated working voltage is AC230V, the voltage range required for the switch to work normally is AC187V ~ AC253V.
- ★ This switch has an undervoltage detection function. When the phase of the I power supply is missing or the voltage is below 125V, the switch switches to the II power supply for power supply (II power supply voltage). When the voltage of the I power supply is restored to above 187V, the switch will automatically return to the I power supply when it is greater than 187V.
- ★ Please test whether the ATS can work normally in manual mode first, and then place the toggle switch in the automatic position for testing. After passing the test, only then can it be put into use.
- ★ If you need to manually operate the switch, you must first turn the mode switch to "manual" mode.

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