

TECHNICAL DATA

1. Rated supply voltage: AC220V
2. Operation voltage range: AC140V-300V
3. Rated frequency: 50/60Hz
4. Hysteresis (Over voltage): 5V
5. Hysteresis (Under voltage): 5V
6. Voltage measurement accuracy: $\leq 1\%$ (over the whole range)
7. Rated insulation voltage: 450V
8. Output contact: 1
9. Electrical life: 10 to the power of 5
10. Mechanical life: 10 to the power of 5
11. Protection degree: IP20
12. Pollution degree: 3
13. Altitude: $\leq 2000\text{m}$
14. Operating temperature: $-5^{\circ}\text{C}-40^{\circ}\text{C}$
15. Humidity: $\leq 50\%$ at 40°C (without condensation)
16. Storage temperature: $-25^{\circ}\text{C}-55^{\circ}\text{C}$

Noted: This device has a feature that allows for the disabling of the voice alarm. The equipment will make a sound when it is operated or has a malfunction.





Rated supply voltage	AC220V
Operation voltage range	AC140V-300V
Rated frequency	50/60Hz
Hysteresis	Over voltage:5V
	Under voltage:5V
Voltage measurement accuracy	≤1%(over the whole range)
Rated insulation voltage	450V
Output contact	1NO
Electrical life	10 ⁵
Mechanical life	10 ⁵
Protection degree	IP20
Pollution degree	3
Altitude	≤2000m
Operating temperature	-5℃-40℃
Humidity	≤50% at 40℃(without condensation)
Storage temperature	-25℃-55℃

Technical parameter	setting range	Factory setting	Step	Function description
Power-on delay time	1S-600S	10S	1S	After external power cut,the time needed for power-on when power recovery.
Over-voltage protection value	220V-300V	270V	1V	When the voltage of one phase is over the set value, the protector will cut off this phase and switch to the next phase according to the sequence set in Pr1. When all three phases' voltage is over the set value, the protector will cut off all lines
Over-voltage recovery value	225V-295V	265V	/	When the voltage is 5V or more than 5V lower than the over-voltage protection value, the protector will automatically reset.This parameter automatically changes with the change of over-voltage protection value and does not need to be set.
Under-voltage protection value	120V-210V	170V	1V	When the voltage of one phase is under the set value, the protector will cut off this phase and switch to the next phase according to the sequence set in Pr1. When all three phases' voltage is under the set value, the protector will cut off all lines
Under-voltage recovery value	145V-215V	175V	/	When the voltage is 5V or more than 5V higher than the under-voltage protection value, the protector will automatically reset.This parameter automatically changes with the change of over-voltage protection value and does not need to be set.
Over-current protection value	1A-100A-OFF 3A-100A-OFF	40A 60A	1A	When the current is higher than the set value, the protector will cut off the line.When setting OFF,the protector will turn off over-current protection function.
Times of continuous over current protection	OFF-1-20	OFF	1	When The times of continuous over-current protection exceeds the set value,the protector will cut off the line,then it needs to be opened manually.
Phase sequence switching detection time	OFF-1S-500S	10S	1S	The time required to detect whether the voltage of the priority phase is stable before disconnect. OFF means that there is no need to wait for detection and switch directly to the priority phase.
Phase sequence recovery switching settings	ON	ON-OFF	/	ON means that when the priority phase returns to normal, it will switch to the priority phase. OFF means that even if the priority phase returns to normal, the protector will not switch to that phase.
Phase sequence switching recovery time	OFF-1S-500S	10S	1S	Time required to switch to priority phase.
Over-current protection action time	0.1S-30S	1.0S	0.1S	When over current,the time needed for protection action.
Voltage calibration	-9.5%-9.5%	0	0.5	Correct the voltage error.
Current calibration	-9.5%-9.5%	0	0.5	Correct the current error.
Input phase priority selection	ABC-ACB- BAC-BCA- CAB-CBA	ABC	/	Set the input priority of each phase. A:L1, B:L2, C:L3

