WANJIA

Relays for advanced technology

POWER RELAY

WJ172-RELAYS

- Small size and light weight.
- Low coil power consumption.
- High contact load.
- Strong anti-shock high reliability.

SPECIFICATIONS

Contact

Arrangement	1A、1B、	1C；
Contact Material	Silver alloy	
Contact Resistance (By voltage drop 6V 1A)	Max.50mΩ	
Rating Resistive load	50A 250VAC	40A 250VAC
Max. Switching Power	1120W 10000VA	
Expected life(min. ope) Mechanical(at 120 cpm) Electrical (at 20 cpm)	1×106 1×105	

Characteristics

Operate Time		Max.10msec.
Release Time		Max.10msec.
Operating humidity		40 to 90% RH
Initial breakdown voltage Between coil & contact Between open contacts		1500VAC (50/60Hz)for 1 min. 1500VAC (50/60Hz)for 1 min.
Insulation Resistance		Min. 1000MΩ (500 VDC)
Shock Resistance	Functional	Min.10G
	Destruction	Min. 100G
Vibration Resistance	Functional	10 to 55 Hz at double Amplitude of 1.5mm
	Destruction	10 to 55 Hz at double Amplitude of 1.5mm
Unit weight		≤90g

Coil

Nominal operating power	3.0W to 4.5VA

TYPICAL APPLICATION

1.Industrial machine
2.Electrical equipment
3.Air conditioner and houseold appllications
4.PCB mounting Pin

ORDERING INFORMATION

WJ172 - 1 C - 12VDC 12Ω

① ② ③ ④ ⑤

①Type	②Number of pole	③Contact form	④Coilvoltage (DC)	⑤Coil resistance
WJ172	1:1pole	A: 1 form A B: 1 form B C: 1 form C	6, 12, 24V 220VAC	12,48,192: 1.2W 2800 : 1.2VA

COIL DATA (at 20^{0}C)

Nominal Voltage(VDC)	Coil Resistance(Ω)±10%	Power Consumption(W)	Pull-in Voltage(VDC)	Drop-out Voltage(VDC)	Max.Allowable Voltage(VDC)
6	12	3.0	75%Max.	10%Min.	120% of nominal Voltage
12	48				
24	192				
220	2800	4.5VA	80%Max.	30%Min.	