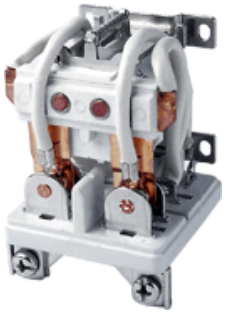
WANJIA Relays for advanced technology	POWER RELAY	WJ181- RELAYS



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

SPECIFICATIONS

Contact

Arrangement	1A、1B; 1C、2A、2B	
Contact Material	Silver alloy	
Contact Resistance (By voltage drop 6V 1A)	Max.20mΩ	
Rating Resistive load	60A 250VAC	80A 250VAC
Max. Switching Power	20000VA	15000VA
Expected life (min.ope) Mechanical (at120cpm) Electrical (at 20 cpm)	1×10^6 2×10^4	

Characteristics

Operate Time		Max.20msec.
Release Time		Max.20msec.
Operating humidity		40to 90% RH
Initial breakdown voltage Between coil & contact Between open contacts		1500VAC (50/60Hz)for 1 min. 2500VAC (50/60Hz)for 1 min.
Insulation Resistance		Min. 1000MΩ (500 VDC)
Ambient temperature		-40℃～+55℃
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		≤240g（ 1C ）， ≤260g（ 2A、2B ）

Coil

Nominal operating power	3.6W to 6.0VA

TYPICAL APPLICATION

1.Industrial machine

2.Electrical equipment

3.Air conditioner and houseold appllications

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ORDERING INFORMATION

WJ181 - 1 C - 12VDC 10Ω

① ② ③ ④ ⑤

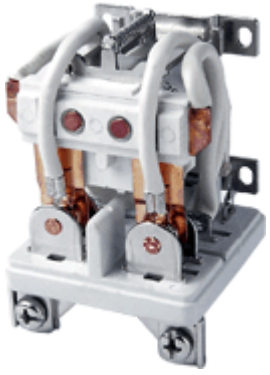
①Type	②Number of pole	③Contact form	④Coilvoltage (DC)	⑤Coil resistance
WJ181	1:1pole	A: 1 form A B: 1 form B C: 1 form C	6,12, 24V 220VAC	10， 40，160： 3.6W 1600 : 6.0VA

COIL DATA (at 20^0C)

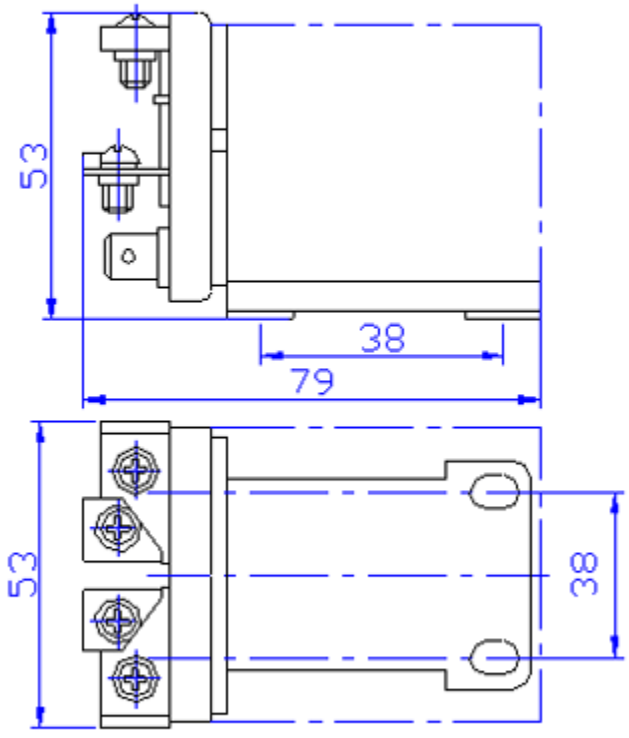
Nominal Voltage (VDC)	Coil Resistance (Ω)±10%	Power Consumption (W)	Pull-in Voltage (VDC)	Drop-out Voltage (VDC)	Max.Allowable Voltage (VDC)
6	10	3.6	75%Max.	10%Min.	120% of nominal Voltage
12	40				
24	160				
220VAC	1600	6.0VA	80%Max.	30%Min.	

DIMENSIONS

Unit: mm



Dimentions and Mounting



Wiring diagram