WANJIA Relays for advanced technology	AUTOMOTIVE POWER RELAYS	WJ180-RELAYS

- **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.20m•
Rating Resistive load	60A 250VAC
Max. Switching Power	10000VA
Expected life(min.ope) Mechanical(at 120 cpm) Electrical (at 20 cpm)	 1×10^6 5×10^4

Characteristics

Operate Time		Max.15msec.
Release Time		Max.15msec.
Operating humidity		40to 85% 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.1000M• (500 VDC)
Ambient temperature		-40C...+55C
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		•180g

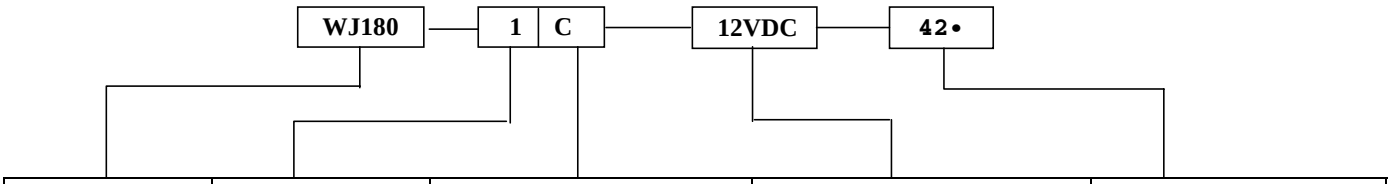
Coil

Nominal operating power	3.5W to 6.0VA

TYPICAL APPLICATION

1.Industrial machine
2.Electrical equipment
3. Houseold appllications

ORDERING INFORMATION



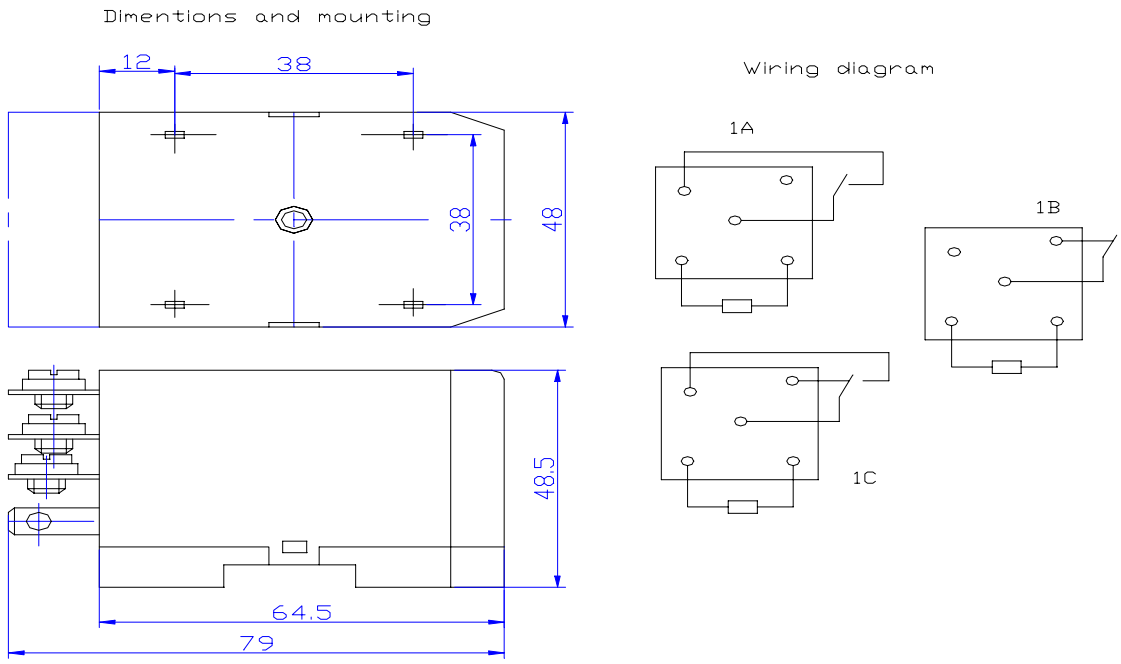
Type	Number of pole	Contact form	Coilvoltage (DC)	Coil resistance
WJ180	1 :1pole	A: 1 form A B: 1 form B C: 1 form C	12, 24V 220VAC	42,170 : 3.5W 1600 : 6.0VA

COIL DATA (at 20C)

Nominal Voltage (VDC)	Coil Resistance (•)±10%	Power Consumption (W)	Pull-in Voltage (VDC)	Drop-out Voltage (VDC)	Max.Allowable Voltage (VDC)
12	42	3.5	75%Max.	10%Min.	120% of nominal voltage
24	170				
220VAC	1600	6.0VA	80%Max.	30%Min.	

DIMENSIONS

Unit: mm



Note: The relative changes for the specification will not be advised in the future.