



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)	1×10^6
Electrical (at 20 cpm)	5×10^4

Characteristics

Operate Time	Max.15msec.
Release Time	Max.15msec.
Operating humidity	40to 85% RH
Initial breakdown voltage	
Between coil & contact	1500VAC (50/60Hz)for 1 min.
Between open contacts	2500VAC (50/60Hz)for 1 min.
Insulation Resistance	Min.1000M• (500 VDC)
Ambient temperature	-40C . . . +55C
Shock	Functional
Resistance	Destruction
	Min.100G
Vibration	Functional
Resistance	Destruction
	10 to 55 Hz at double Amplitude of 1.5mm
Unit weight	•180g

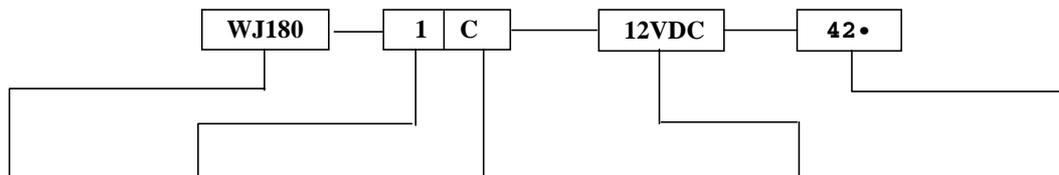
Coil

Nominal operating power	3.5W to 6.0VA
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TYPICAL APPLICATION

- 1.Industrial machine
- 2.Electrical equipment
3. Houseold applications

ORDERING INFORMATION



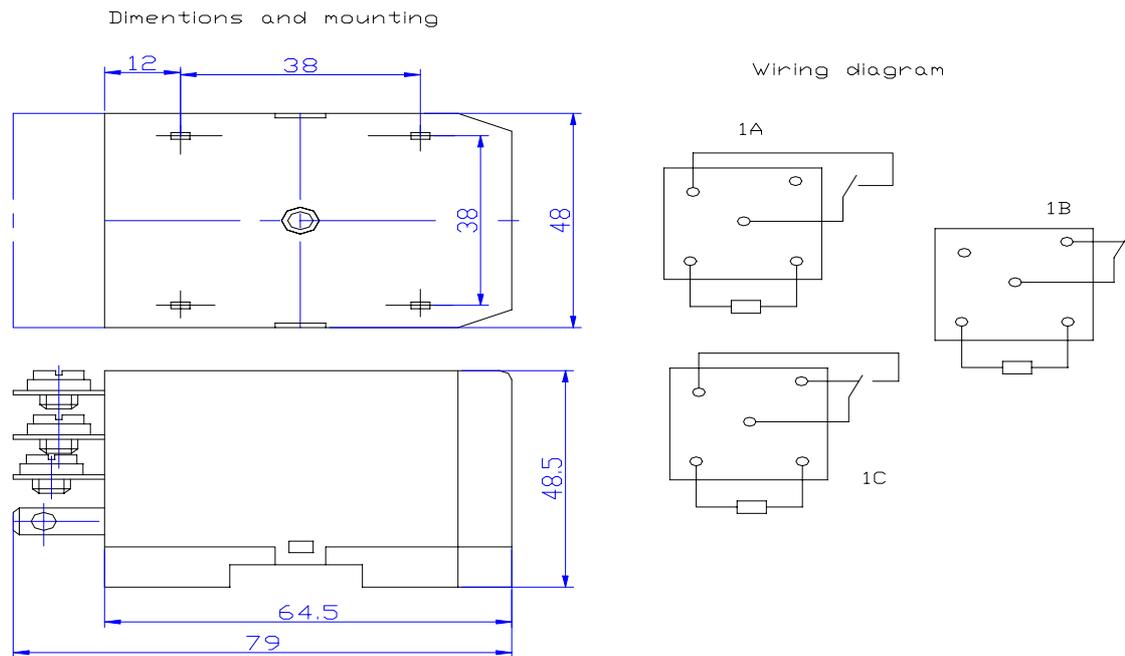
Type	Number of pole	Contact form	Coilvoltage (DC)	Coil resistance
WJ180	1 :1pole	A: 1 form A	12, 24V	42,170 : 3.5W
		B: 1 form B	220VAC	1600 : 6.0VA
		C: 1 form C		

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.