

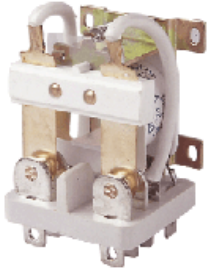


# WANJIA

Relays for advanced technology

## POWER RELAY

## WJ179-RELAYS



- Low coil power consumption.
- High contact load.
- Strong anti-shock high reliability.

### SPECIFICATIONS

#### Contact

Arrangement	2A, 2B, 2C
Contact Material	Silver alloy
Contact Resistance (By voltage drop 6V 1A)	Max.50mΩ
Rating	
Nominal switching capacity	40A 250VAC
Resistive load	40A 28VDC
Max. Switching Voltage	28VDC/250VAC
Max. Switching Current	40A
Max. Switching Power	10000VA/1120W
Expected life (min. ope)	
Mechanical (at 120 cpm)	1×10 <sup>6</sup>
Electrical (at 20 cpm)	1×10 <sup>4</sup>

#### Characteristics

Operate Time	Max. 20msec.	
Release Time	Max. 15msec.	
Initial breakdown voltage		
Between coil & contact	2000VAC (50/60Hz) for 1 min.	
Between open contacts	1500VAC (50/60Hz) for 1 min.	
Insulation Resistance	Min. 1000MΩ (500 VDC)	
Ambient temperature	-40°C ~ +70°C	
Operating humidity	40 to 85% RH	
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	Approx.180g	

#### COIL DATE

Coil Consumption	sensitive: 5.5VA/3.5W
Coil Voltage (1pole)	6 - 110VDC
Coil Voltage (2pole)	6 - 240VAC
Coil Resistance	see COIL SPECIFICATION below

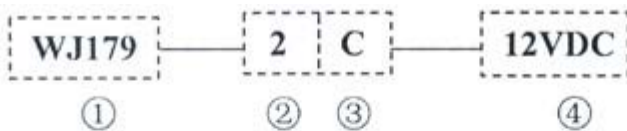
#### UL/C-UL Rating

Resistive load (cosφ=1)		
Inductive load (cosφ=0.75 - 0.8)		

#### COIL SPECIFICATION (at 20°C)

Type	Nominal Voltage (VDC) (VAC)	Coil Resistance (Ω)	Nominal operating power (W)	Pick-up Voltage	Drop-out Voltage	Max.Allowable Voltage
AC	6	2	abt. 5.5VA (50 - 60Hz)	75% Max.	30% Min.	120%
	12	5				
	24	10				
	48	76				
	110	400				
	220	1600				
DC	6	10.5	abt. 3.5W	75% Max.	10% Min.	120%
	12	42				
	24	170				
	36	380				
	48	670				
	110	3530				

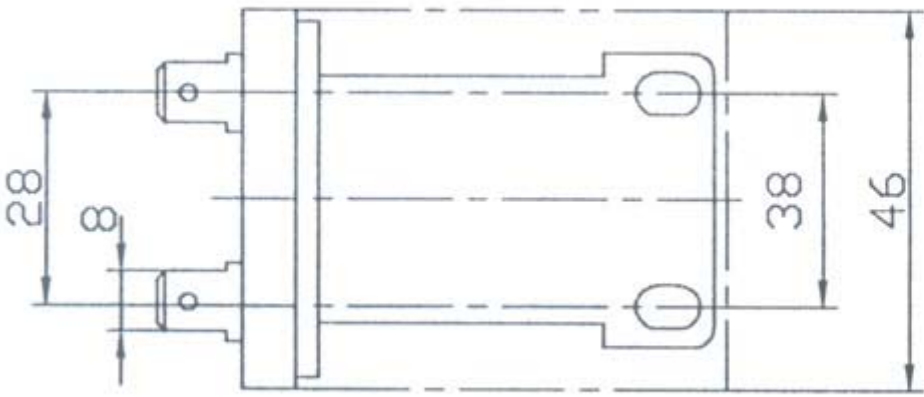
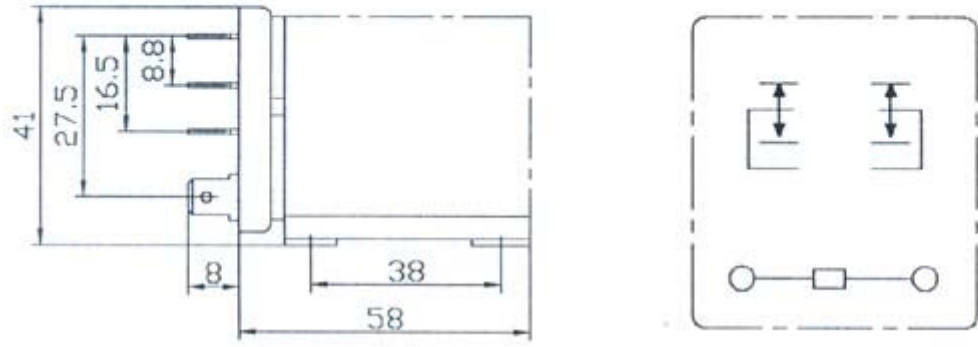
#### ORDERING INFORMATION



① Type	② Number of pole	③ Contact form	④ Coil voltage
WJ179	2 : 2pole	A: Form A B: Form B C: Form C	Coil: 6-110VDC 6-240VAC

# DIMENSIONS Unit: mm

## WJ179-2Pole Screw Fasten



### Quality policy:

Today's quality is our future market;  
Our goal is pursuing Vendor satisfaction.

### Environmental policy:

Keeping the system safe, Abiding by laws;  
Innovation in technology, Prevention of pollution;  
Advertising & education, Continuous improvement.

Note: The product specifications for the specification will not be advised in the future.



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