



# WANJIA

Relays for advanced technology

## POWER RELAY

## 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. 50mΩ
Rating Nominal switching capacity Resistive load	60A 250VAC 60A 28VAC
Max. Switching Voltage	28VDC/250VAC
Max. Switching Current	60A
Max. Switching Power	15000VA/1680W
Expected life (min. ope) Mechanical (at 120 c.p.m.) Electrical (at 20 c.p.m)	1×10 <sup>6</sup> 5×10 <sup>4</sup>

#### Characteristics

Operate Time	Max. 20msec.	
Release Time	Max. 15msec.	
Initial breakdown voltage Between coil & contact Between open contacts	2500VAC (50/60Hz) for 1 min. 1500VAC (50/60Hz) for 1 min.	
Insulation Resistance	Min. 100MΩ (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/2.4W
Coil Voltage (1pole)	6 - 110VDC
Coil Voltage (2pole)	6 - 240VAC
Coil Resistance	see COIL SPECIFICATION below

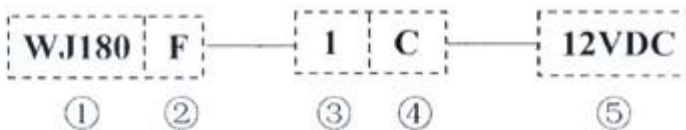
#### UL/C-UL Rating

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	1.7	abt. 5.5VA (50 - 60Hz)	75% Max.	30% Min.	120%
	12	6.7				
	24	28				
	48	110				
	110	574				
	220	2200				
DC	6	15	abt. 2.4W	75% Max.	10% Min.	120%
	12	60				
	24	240				
	48	960				
	60	1500				
	110	5000				

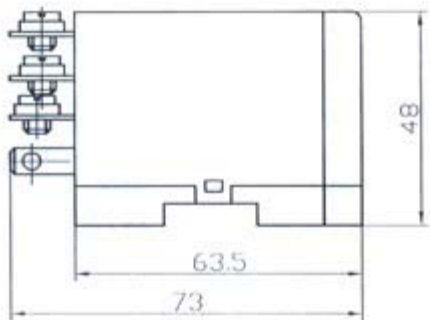
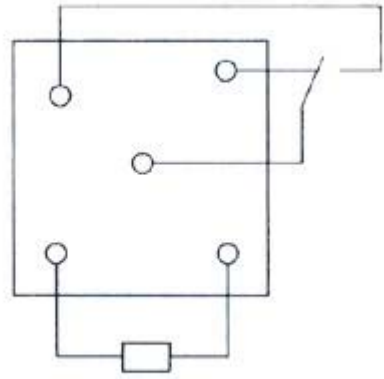
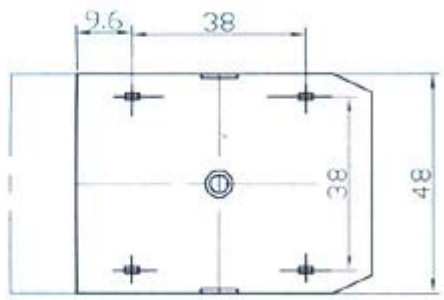
#### ORDERING INFORMATION



Type	Kind	Number of pole	Contact form	Coil voltage
WJ180	F: case Nil: no case	1 : 1pole	A: Form A B: Form B C: Form C	Coil: 6-110VDC 6-240VAC

# DIMENSIONS Unit: mm

## WJ180-1Pole 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 JAXXEN logo is for the specification will not be advised in the future.  
www.jaxxeninc.com info@jaxxeninc.com