



- Small size and light weight.
- 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	50A 250VAC	40A 250VAC
Nominal switching capacity		
Resistive load		
Max. Switching Voltage	28VDC/250VAC	
Max. Switching Current	40A	
Max. Switching Power	10000VA/1120W	
Expected life (min. ope)	1×10 ⁷ 1×10 ⁵	
Mechanical (at 120 cpm)		
Electrical (at 20 cpm)		

Characteristics		
Operate Time		Max. 20 msec.
Release Time		Max. 15 msec.
Initial breakdown voltage Between coil & contact		1500VAC (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		45 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. 90g

COIL DATE

Coil Consumption	sensitive: 4.5VA/3W
Coil Voltage (1pole)	6 - 110VDC
Coil Voltage (2pole)	6 - 240VAC
Coil Resistance	see COIL SPECIFICATION below

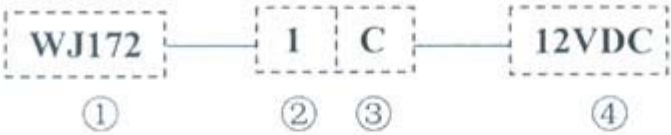
UL/C-UL Rating

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

COIL SPECIFICATION (at 20°C)

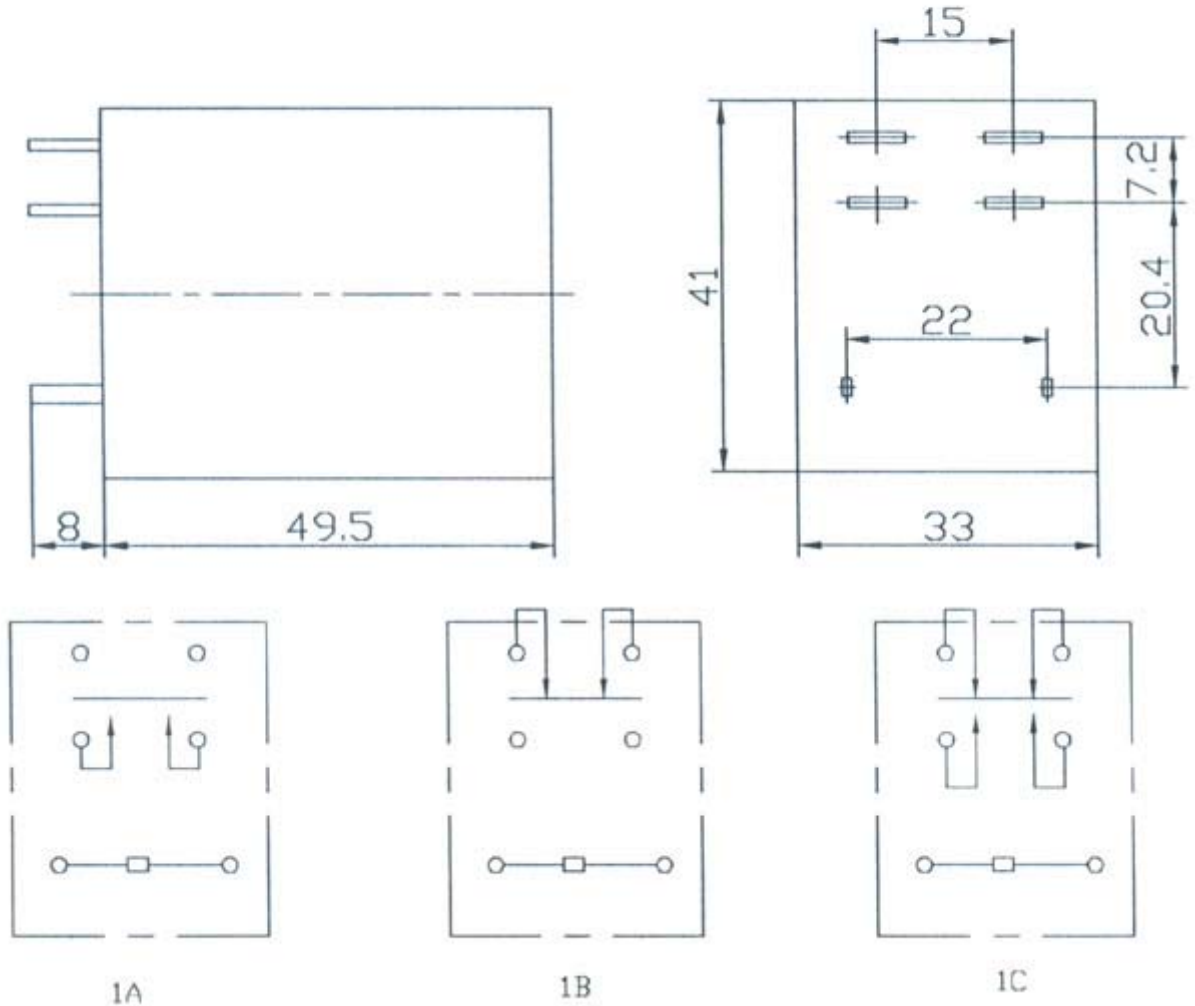
Type	Nominal Voltage (VDC) (VAC)	Coil Resistance (Ω)	Nominal operating power (W)	Pick-up Voltage	Drop-out&nbs; &nbs; Max. Allowable Voltage&nbs; &nbs; &nbs; Voltage	
AC	12	9	abt. 4.5VA (50 - 60Hz)	75% Max.	30% Min.	120%
	24	40				
	36	78				
	48	145				
	110	790				
	220	2800				
DC	6	12	abt. 3W	75% Max.	10% Min.	120%
	12	48				
	15	75				
	24	192				
	48	768				
	110	4030				

ORDERING INFORMATION



① Type	② Number of pole	③ Contact form	④ Coilvoltage
WJ172	1 : 1pole	A: Form A B: Form B C: Form C	Coil: 6-110VDC 6-240VAC

WJ172-1Pole Plug terminal



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