



- Smaller size at 16A switching capacity relay for high density P.C. board mounting technique
- 8mm creepage distance. Surge resistance of 10000V and dielectric strength of 5000VAC is available
- High sensitive coil type for low power consumption is available
- Complete sealed type is available if required

## SPECIFICATIONS

### Contact

Item	Type	WJ114
Arrangement		1A, 1C
Contact Material		Silver alloy
Contact Resistance (By voltage drop 6V 1A)		Max.100mΩ
Rating		20A 120VAC
Nominal switching capacity		16A 240VAC
Resistive load		16A 24VDC
Max. Switching voltage		250VDC 30VDC
Max. Switching current		20A
Max. Switching power		4000VA 400W
Expected life (min.ops)		
Mechanical(at 120 cpm)		1×10 <sup>7</sup>
Electrical (at 20 cpm)		1×10 <sup>5</sup>

### Characteristics

Item	Type	WJ114(0.72W)	WJ114(0.54W)
Operate Time		Max.15msec.	Max.20msec.
Release Time		Max.10msec.	
Initial breakdown voltage		5000VAC (50/60Hz)for 1 min.	
Between coil & contact		1000VAC (50/60Hz)for 1 min.	
Between open contacts			
Insulation Resistance		Min.1000MΩ (500VDC)	
Ambient temperature		-40℃~+80℃	-40℃~+80℃
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	
Insulation limit voltage		5000V 1.2×50μs(between coil and contacts)	
Unit weight		Approx.13g	

### Coil DATE

Coil Consumption	sensitive:0.72W Hi-Sensitivity:0.54W
Coil Voltage	3~48VDC
Coil Resistance	see COIL SPECIFICATION below

### UL/C-UL Rating

Resistive load (cosΦ=1)	20A 120VAC
	16A 240VAC
	5A 120VAC
Inductive load (cos Φ =0.75~0.8)	

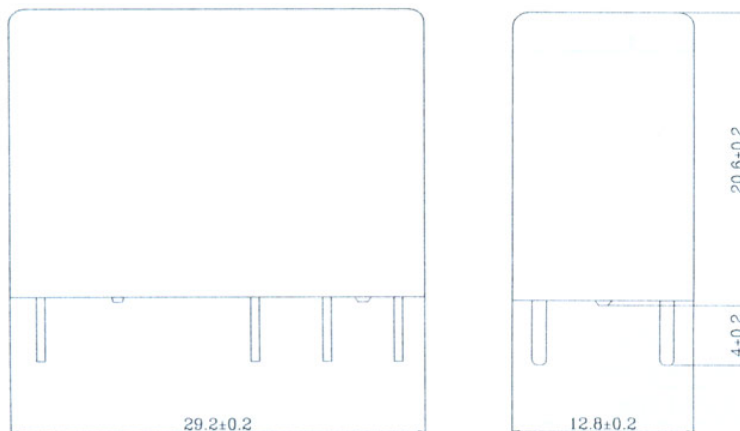
Nominal Voltage (VDC)	Coil Resistance ( $\Omega$ ) $\pm$ 10%	Nominal operating power (W)	Coil Resistance ( $\Omega$ ) $\pm$ 10%	Nominal operating power (W)	Pick-up Voltage (VDC)	Drop-out Voltage (VDC)	Max.Allowable Voltage (VDC)
3	12.5	abt0.72	17	abt0.54	80%Max.	5%Min.	130%of nominal Voltage
5	36		50				
6	50		68				
9	115		155				
12	200		270				
18	450		600				
24	820		1100				
48	3300		4400				

**ORDERING INFORMATION**

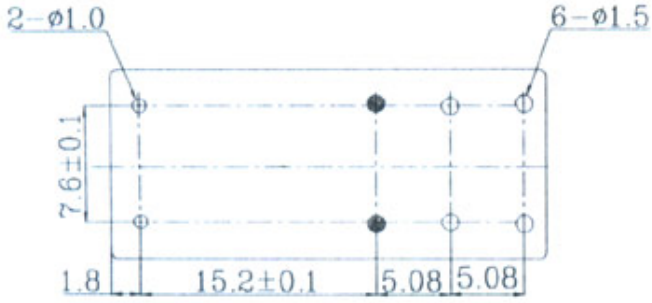


① Type	② Coil sensitivity	③ Number of pole	④ Contact form	⑤ Coil voltage(DC)
WJ114	H: 0.54W Nil: 0.72W	1:1pole	A: form A C: form C	3, 5, 6, 9, 12,18, 24, 48 V

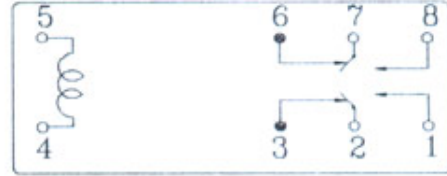
**DIMENSIONS Unit: mm**



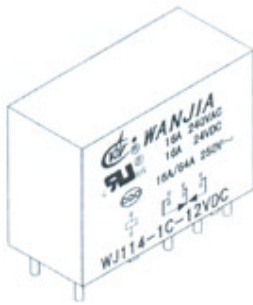
(BOTTOM VIEW)



(BOTTOM VIEW)



pattern of printing



Packing



MEAS: 363x260x165mm  
 25pcs per plastic tube;  
 40pcs plastic tubes per carton;  
 1000pcs Relays for total per carton;  
 weight: Approx 16Kg;

**Quality policy:**

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

**Environment policy:**

Keeping the system. Abiding by laws;  
 Innovation in technology, Precaution in pollution;  
 Promotion & education, Continual improvement.