 <h1 style="text-align: center;">WANJIA</h1> <p style="text-align: center;">Relays for advanced technology</p>	COMPACT PC BOARD	WJ113-RELAYS
	POWER RELAY	



- Miniature package with universal terminal footprint P.C.board technique.
- High dielectric withstanding for transient protection: 10,000 v surge in use. Between coil and contact.
- CCEE recognized
- UL/C-UL recognized

SPECIFICATIONS

Contact

Arrangement	2 C; 2 A
Contact Material	Silver alloy
Contact Resistance (By voltage 6V 1A)	Max.100m•
Rating	5A 240VAC
Nominal switching capacity	
Resistive load (cos•=1)	7A 120VAC 5A 24VDC
UL/C-UL Rating	
Resistive load (cos•=1)	5A 240VAC 5A 120VAC
Inductive load (cos•=0.75•0.8)	5A 24VDC 2A 250VAC 2A 120VAC 2A 24VDC
Max. Switching voltage	250VAC 110VDC
Max. Switching current	10A
Max. Switching power	1200VA 300W
Expected life(min.ope)	
Mechanical (at 180 cpm)	1×10 ⁷
Electrical (at 20 cpm)	1×10 ⁵

Characteristics

Item	Type	WJ113 (0.72W)	WJ113 (0.54W)
Operate Time		Max.15msec.	Max.20msec.
Release Time		Max.8msec.	
Operating humidity		45 to 85% RH	
Initial breakdown voltage			
Between coil & contact		5000VAC (50/60Hz)for 1 min.	
Between open contacts		1000VAC (50/60Hz)for 1 min.	
Insulation Resistance		Min.1000M• (500 VDC)	
Ambient temperature		-30••+70•	
Temperature rise(Max)		45deg	35deg
Shock	Functional	Min.10G	
Resistance	Destruction	Min.100G	
Vibration	Functional	10 to 55 Hz at double Amplitude of 1.5mm	
Resistance	Destruction	10 to 55 Hz at double Amplitude of 1.5mm	
Unit weight		Approx.13g	

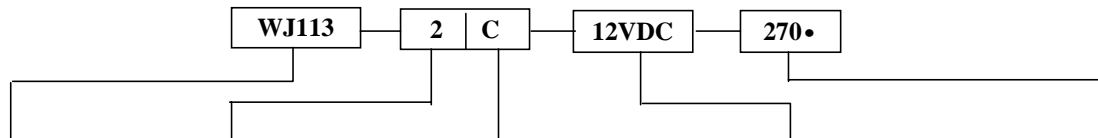
Coil

Nominal operating power	0.54 to 0.72W
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TYPICAL APPLICATION

- | | | |
|----------------------|----------------------|-----------------------------|
| 1.Cooking appliances | 3.Audio equipment | 5.Industrial equipment etc. |
| 2.Airconditioners | 4.Domestic appliance | |

ORDERING INFORMATION



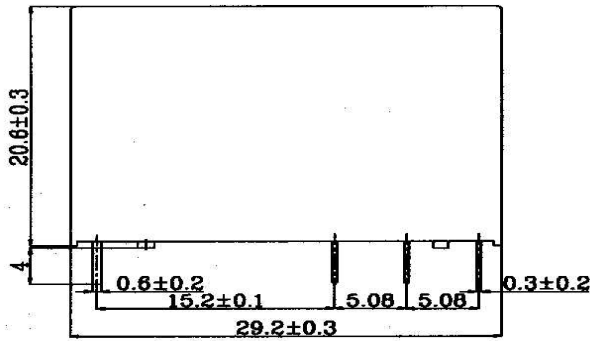
Type	Number of pole	Contact form	Coil voltage(DC)	Coil sensitivity
WJ113	2:2pole	A: 1 form A B: 1 form B C: 1 form C	3, 5, 6, 9, 12, 24 48V	17, 47, 68, 155, 270, 1100, 4400: 0.54W Nil: 0.72W

COIL DATA (at 20•)

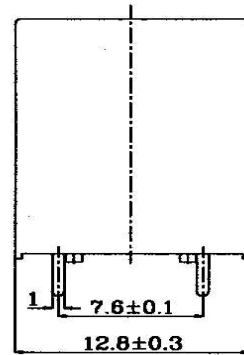
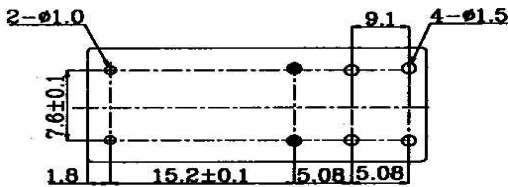
Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (•)±10%	Power Consumption (W)	Pull-in Voltage (VDC)	Drop-out Voltage (VDC)	Max.Allowable Voltage (VDC)
3	240.0	12.5	abt0.72	80%Max.	5%Min.	130% of nominal voltage
5	138.9	36				
6	120.0	50				
9	78.3	115				
12	60.0	200				
24	29.3	820				
48	14.5	3300	abt0.54	80%Max.	5%Min.	130% of nominal voltage
3	176.5	17				
5	106.5	47				
6	88.0	68				
9	58.0	155				
12	44.4	270				
24	21.8	1100				
48	10.9	4400				

DIMENSIONS

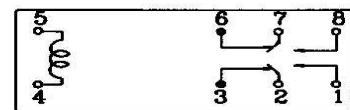
Unit: mm



(BOTTOM VIEW)



(BOTTOM VIEW)



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