 <h1 style="margin: 0;">WANJIA</h1> <p style="margin: 0;">Relays for advanced technology</p>	<p>MINIATURE HEAVY DUTY RELAY</p>	<h2 style="margin: 0;">WJ112-RELAYS</h2>
--	---------------------------------------	--



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

SPECIFICATIONS

Contact

Arrangement	1C; 1A
Contact Material	Silver alloy
Initial Contact Resistance (At voltage 6V 1A)	Max.100m•
Rating	10A 250VAC
Nominal switching capacity Resist (cos•=1)	10A 30VDC
UL/C-UL Rating	
Resistive load (cos•=1)	10A 250VAC 10A 30VDC 10A 28VDC
VDE Rating	5A 250VAC 5A 30VDC
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	WJ112(0.72W)	WJ112(0.54W)
Operate Time		15msec. Max.	20msec. Max.
Release Time		8msec. Max.	
Operating humidity		45 to 85% RH	
Initial breakdown voltage			
Between coil & contact		5000VAC (50/60Hz) 1Min.	
Between open contacts		1000VAC (50/60Hz) 1Min.	
Insulation Resistance		Min. 1000M•(500 VDC)	
Ambient temperature		-30••+70•	
Temperature rise(Max)		45deg	35deg
Shock Resistance	Functional	10G Min.	
	Destruction	100G Min.	
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		about 13g	

Coil

Nominal operating power	0.54W to 0.72W
-------------------------	----------------

TYPICAL APPLICATION

1. House appliances:

TV/ VCR / Microwave Ovens

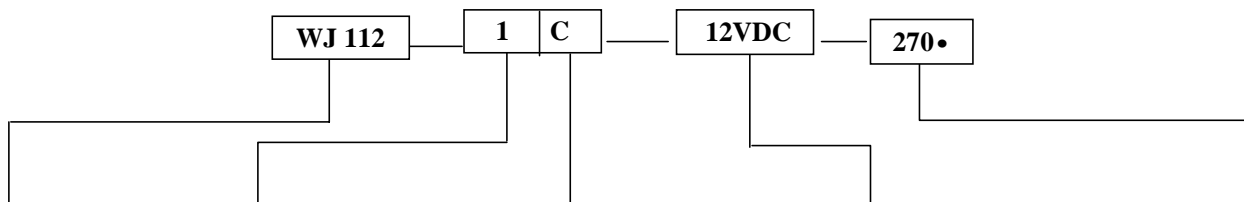
2. Office Machines:

Photocopiers, Vending Machines

5. Industrial equipment etc.

N.C Machines, Robots

ORDERING INFORMATION



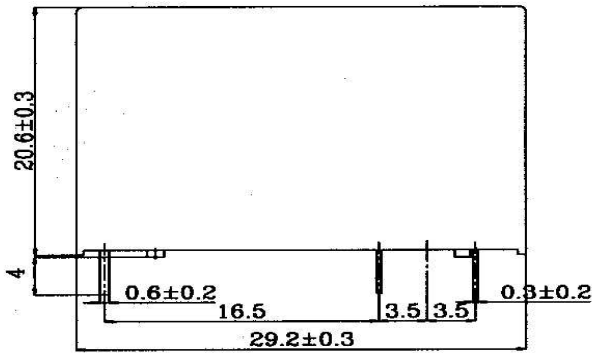
Type	Number of pole	Contact form	Coil voltage(DC)	Coil resistance
WJ112	1 : 1pole	A: 1 form A B: 1 form B C: 1 form C	3, 5, 6, 9, 12, 24, 48V	17, 47, 68, 155, 270 110, 4400: 0.54W Nil: 0.72W

COIL DATA (at 20•)

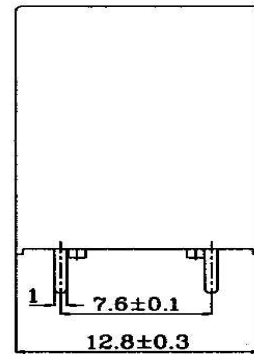
Nominal Voltage (VDC)	Rated Current (mA)	Coil Resistance (•)±10%	Power Consumption (W)	Pull-in Voltage (VDC)	Drop-out Voltage (VDC)	Max.Allowable Voltage (VDC)
3	240.0	12.5	abt0.72	80%Max.	5%Min.	130% of rated Voltage
5	138.9	36				
6	120.0	50				
9	78.3	115				
12	60.0	200				
24	29.3	820				
48	14.5	3300				
3	176.5	17	abt0.54	80%Max.	5%Min.	130% of rated Voltage
5	106.4	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)

