



- Ultra-small dimensions for high density packaging (0.394H x 0.295W x 0.492L).
- High sensitivity: 150 mW nominal power coil.
- Epoxy sealed for automatic wave soldering.
- DIL pitch terminals.
- UL/CUL approval.

SPECIFICATIONS

Contact

	WJ103K
Arrangement	1 Form C
Contact Material	Silver alloy
Contact Resistance (By voltage 6V 1A)	Max.100mΩ
Rating	
Nominal switching capacity	2A 120VAC/24VDC 2A 120VAC/24VDC
Resistive load (cosφ=1)	0.5A 125VAC 1A 30VDC
UL/CUL	
Max. Switching voltage	120VAC 60VDC
Max. Switching current	2A
Max. Switching power	62.5VA 30W
Expected life(min.ope)	
Mechanical(at 120 cpm)	1×10^7
Electrical (at 20 cpm)	1×10^5

Characteristics

	WJ103K (0.15W)	WJ103K (0.2W)
Operate Time	Max .4 msec.	Max .5 msec.
Release Time	Max .4 msec.	
Operating humidity	35% to 85% RH	
Initial breakdown voltage		
Between coil & contact	1000VAC (50/60Hz) for 1 min.	
Between open contacts	400VAC (50/60Hz) for 1 min.	
Insulation Resistance	Min.100MΩ (500 VDC)	
Ambient temperature	-30°C ~ +70°C	
Temperature rise (Max.)	55deg.	
Shock Resistance	Functional	Min. 10G
	Destruction	Min. 100G
Vibration Resistance	Functional	10 to 55 Hz at double Amplitude of 3.3mm
	Destruction	10 to 55 Hz at double Amplitude of 3.3mm
Unit weight	Approx.2.2g	

Coil

Nominal operating power	0.15W / 0.2W
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TYPICAL APPLICATION

1. Telecommunication; 2. Security, alarm systems; 3. Office machines, copiers; 4. Other control equipment

ORDERING INFORMATION

WJ103K - **C** - **12VDC** **G**
1 **2** **3** **4**

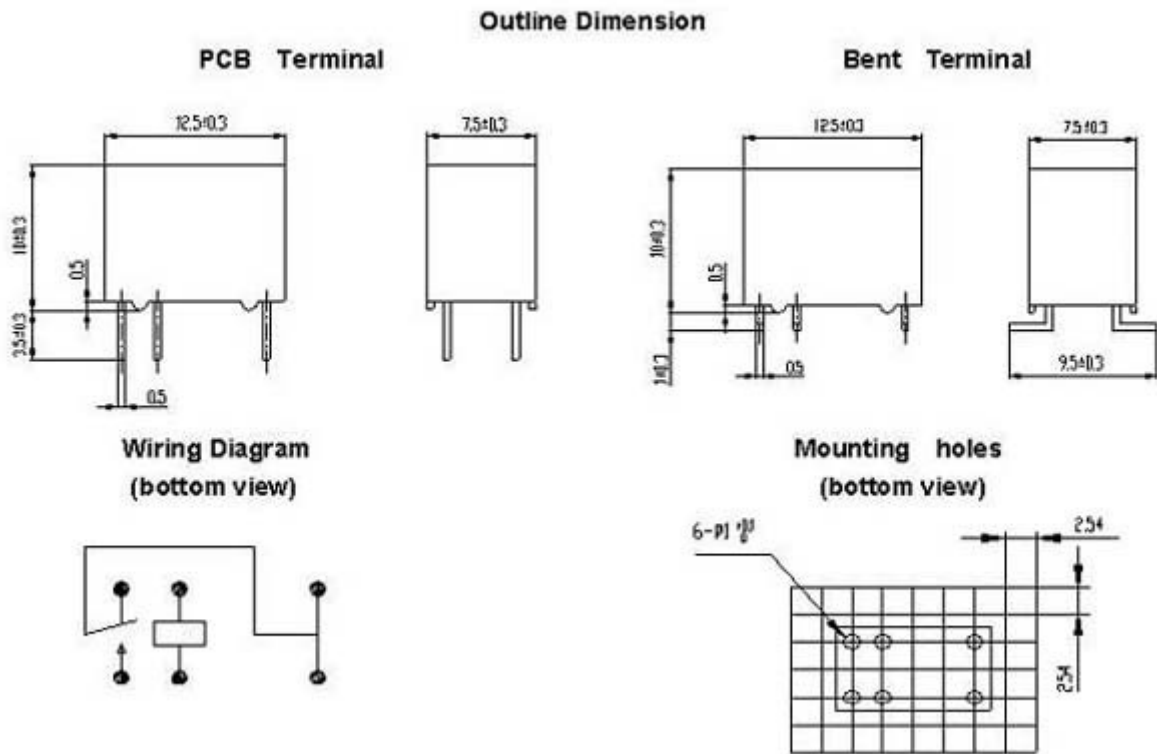
1. Relay Series	2. Contact Arrangement:	3. Coil Voltage:	4. Coil Power
WJ103K	1C: SPDT	DC: 3,5,6,9,12V	G-High Sensitive (0.15 coilpower) Nil-Standard (0.2W coil power)

COIL DATA (at 20°C)

Nominal Voltage (VDC)	Pick-up Voltage VDC(Max.)	Drop-out Voltage VDC(Min.)	Coil Resistance (Ω) ± 10%	Coil Current (mA)	Nominal operating Power (W)	Coil Resistance (Ω) ± 10%	Coil Current (mA)	Nominal operating Power (W)
3	2.40	0.3	60	50.0	0.15	45	50.0	0.20
5	4.00	0.5	167	30.0		125	30.0	
6	4.80	0.6	240	25.0		180	25.0	
9	7.20	0.9	540	16.7		405	16.7	
12	9.60	1.2	960	12.5		720	12.5	
24	19.2	2.4	3840	6.25		2880	6.25	

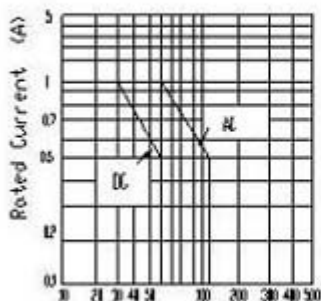
DIMENSIONS

Unit: mm

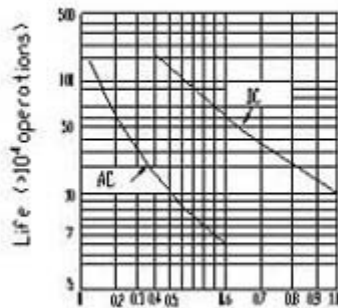


USEFUL CURVES

Contact Switching Capacity



Contact Life



Ambient temperature

