CIT RELAY™

WJ103

FEATURES:

- Low coil power consumption
- High Sensitivity
- Conforms to FCC part 68
- PC board mounting
- Small size, light weight

c UL us Pending

12.5 x 7.5 x 10.0 mm

CONTACT DATA

Contact Arrangement	1A = SPST N.O. 1C = SPDT
Contact Rating	1A @ 24VDC; .5A @ 125VAC
Contact Resistance	< 50 milliohms initial
Contact Material	Ag + Au
Maximum Switching Power	30W
Maximum Switching Voltage	125VAC, 60VDC
Maximum Switching Current	1 Amp

COIL DATA

Coil Voltage VDC		Coil Resistance Ω ± 10%		Pick Up Voltage VDC (max) 75% of rated voltage	Release Voltage VDC (min) 10% of rated voltage	Coil Power W	Operate Time ms	Release Time ms
Rated	Max.	.15W	.20W					
3	3.9	60	45	2.25	0.3	.15 .20	4.5	1.5
5	6.5	167	125	3.75	0.5			
6	7.8	240	180	4.50	0.6			
9	11.7	540	405	6.75	0.9			
12	15.6	960	720	9.00	1.2			
24	31.2	3840	2880	18.00	2.4			

CAUTION:

1. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.
2. Pickup and release voltages are for test purposes only and are not to be used as design criteria.

GENERAL DATA

Electrical Life @ rated load Mechanical Life	100K cycles, typical 5M cycles, typical
Insulation Resistance	100MΩ min @ 500VDC
Dielectric Strength, Coil to Contact Contact to Contact	1000V rms min. @ sea level 500V rms min. @ sea level
Shock Resistance	100m/s^2 for 11ms
Vibration Resistance	3.30mm double amplitude 10-40Hz
Terminal (Copper Alloy) Strength	5N
Operating Temperature Storage Temperature	-40 °C to + 85 °C -40 °C to + 155 °C
Solderability	230 °C ± 2 °C for 10 ± 0.5s
Weight	2.2g

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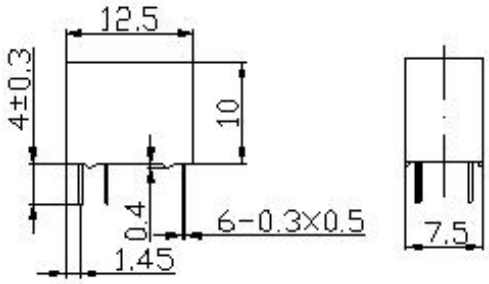
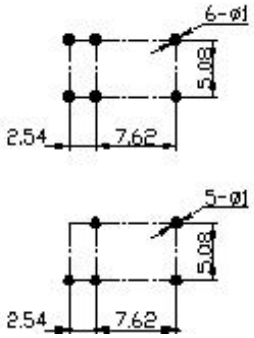
ORDERING INFORMATION

1. Series:	WJ103	1C	12VDC	.20	S
WJ103					
2.Contact Arrangement:					
1A = SPST N.O.					
1C = SPDT					
3. Coil Voltage:					
3VDC					
5VDC					
6VDC					
9VDC					
12VDC					
24VDC					
4.Coil Power:					
.15 = .15 W					
.20 = .20 W					
5. Sealed:					
S = Sealed (standard)					

DIMENSIONS (Unit = mm)



PCB Layout



Schematics