WJ099

CIT RELAY & SWITCH
A Division of Circuit Interruption Technology, Inc.

FEATURES:
- High sensitivity
- Super light weight
- Switching current up to 12A
- PC board mounting

c**UL**us **E197851**

18.4 x 15.2 x 10.2 mm

CONTACT DATA

Contact Arrangement	1A = SPST N.O.
Contact Rating	10A @ 277VAC, 30VDC 12A @ 125VAC
Contact Resistance	< 50 milliohms initial
Contact Material	$AgSnO_2$
Maximum Switching Power	300W
Maximum Switching Voltage	300VAC, 100VDC
Maximum Switching Current	12A

COIL DATA

Coil Voltage VDC		Coil Resistance $\Omega \pm 10\%$	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.						
3	3.9	20	2.25	0.3			
5	6.5	56	3.75	0.5			
6	7.8	80	4.50	0.6			
9	11.7	180	6.75	0.9	0.45	8	5
12	15.6	320	9.00	1.2			
18	23.4	720	13.50	1.8			
24	31.2	1280	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.
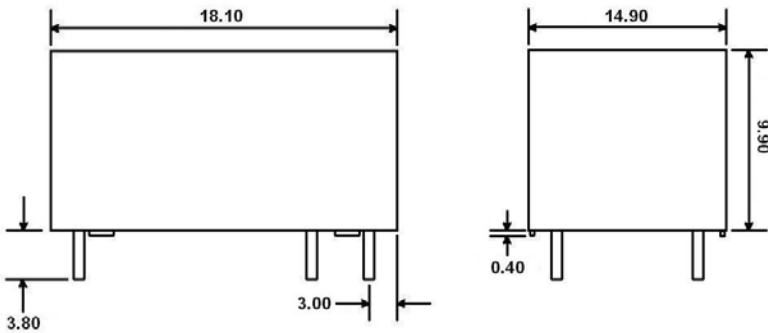
GENERAL DATA

Electrical Life @ rated load	100K cycles, typical
Mechanical Life	10M cycles, typical
Insulation Resistance	100MΩ min @ 500VDC
Dielectric Strength, Coil to Contact	2500V rms min. @ sea level
Contact to Contact	1000V rms min. @ sea level
Shock Resistance	100m/s² for 11ms
Vibration Resistance	1.50mm double amplitude 10-40Hz
Terminal (Copper Alloy) Strength	5N
Operating Temperature	-40 °C to + 85 °C
Storage Temperature	-40 °C to + 155 °C
Solderability	230 °C $\pm$ 2 °C for 10 $\pm$ 0.5s
Weight	7g

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ORDERING INFORMATION

1. Series:	**WJ099**	**1A**	**S**	**12VDC**	**.45**
WJ099					
2.Contact Arrangement:					
1A = SPST N.O.					
3. Sealing Options:					
S = Sealed					
4. Coil Voltage:					
3VDC					
5VDC					
6VDC					
9VDC					
12VDC					
18VDC					
24VDC					
5. Coil Power:					
.45 = .45W					

DIMENSIONS (Units = mm)

SCHEMATICS & PC LAYOUTS (BOTTOM VIEWS)