


CIT RELAY™

WJ114

FEATURES:

- Switching capacity 16A
- Small size suitable for high density mounting
- PC board mounting
- UL/CUL certified

 E197852



29.0 x 12.6 x 20.6 mm

CONTACT DATA

Contact Arrangement	1A = SPST N.O. 1C = SPDT 2A = DPST N.O. 2C = DPDT
Contact Rating	1A & 1C: 10A @ 250VAC 1A & 1C: 16A @ 250VAC 2A & 2C: 5A @ 220VAC 1hp, 250VAC 1/2hp, 125VAC TV-5, 120VAC
Contact Resistance	< 50 milliohms initial
Contact Material	AgCdO
Maximum Switching Power	300W
Maximum Switching Voltage	380VAC, 110VDC
Maximum Switching Current	16A

COIL DATA

Coil Voltage VDC		Coil Resistance $\Omega \pm 10\%$		Pick Up Voltage VDC (max)	Release Voltage VDC (min)	Coil Power W	Operate Time ms	Release Time ms
Rated	Max.	.53W	.80W	75% of rated voltage	10% of rated voltage			
3	3.9	17	11	2.25	0.3	.53 .80	10	5
5	6.5	47	31	3.75	0.5			
6	7.8	68	45	4.50	0.6			
9	11.7	153	101	6.75	0.9			
12	15.6	272	180	9.00	1.2			
15	23.4	425	319	11.30	1.5			
24	31.2	1087	720	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	100M Ω min @ 500VDC
Dielectric Strength, Coil to Contact	5000V rms min. @ sea level
Contact to Contact	2000V rms min. @ sea level
Shock Resistance	500m/s ² 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	20g

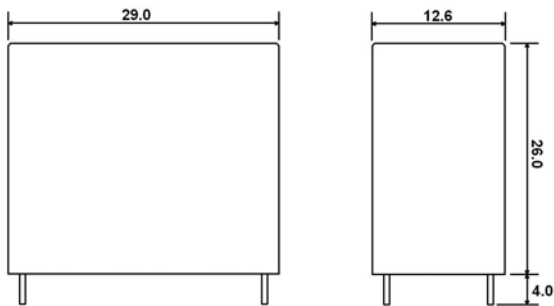
CIT RELAY Website: www.citrelay.com

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ORDERING INFORMATION

1. Series: WJ114	WJ114	1C	S	16	12VDC	3.5	.80
2. Contact Arrangement: 1A = SPST N.O. 1C = SPDT 2A = DPST N.O. 2C = DPDT							
3. Sealing Options: S = Sealed							
4. Contact Rating: 5 = 5A (2A & 2C contact arrangement only) 10 = 10A (1A & 1C contact arrangement only) 16 = 16A (1A & 1C contact arrangement only)							
5. Coil Voltage: 3VDC **Only available with 1 Pole Versions 5VDC **Only available with 1 Pole Versions 6VDC 9VDC 12VDC 15VDC 24VDC							
6. Terminal Spacing (L Dimension): 3.5 = 3.5mm 5.0 = 5.0mm							
7. Coil Power: .53 = .53W .80 = .80W							

DIMENSIONS (Units = mm)



PCB Layout & Schematics (Bottom View)

