

Distributor: Electro-Stock www.electrostock.com Tel: 630-682-1542 Fax: 630-682-1562

#### **FEATURES:**

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

CTU<sub>US</sub> 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	480W, 4000VA
Maximum Switching Voltage	380VAC, 110VDC
Maximum Switching Current	16A

### **COIL DATA**

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Coil Voltage VDC		Coil Resistance $\Omega \pm 10\%$		Pick Up Voltage VDC (max) 75%	Release Voltage VDC (min)	Coil Power W	Operate Time ms	Release Time ms
Rated	Max.	.53W	.80W	of rated voltage	of rated voltage			
3	3.9	17	11	2.25	0.3			
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	.53	10	5
12	15.6	272	180	9.00	1.2	.80		
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	100MΩ min @ 500VDC
Dielectric Strength, Coil to Contact	5000V rms min. @ sea level
Contact to Contact	2000V rms min. @ sea level
Shock Resistance	500m/s <sup>2</sup> for 11ms
Vibration Resistance	1.50mm double amplitude 10-40Hz
Operating Temperature	-40 °C to + 85 °C
Storage Temperature	-40 °C to + 155 °C
Solderability	230 °C ± 2 °C for 10 ± 0.5s
Weight	20g

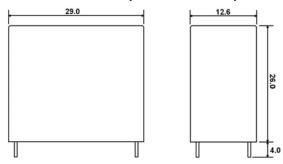


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## **ORDERING INFORMATION**

1. Series:	WJ114	1C	S	16	12VDC	3.5	.80
WJ114							
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							
10 = 10A (1A & 1C contact arrangeme							
16 = 16A (1A & 1C contact arrangeme	nt only)						
5. Coil Voltage:							
3VDC **Only available with 1 Pole							
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)**



# SCHEMATICS & PC LAYOUTS (BOTTOM VIEWS)

