

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

#### **FEATURES:**

- Switching capacity up to 10A
- Small size and light weight
- Low coil power consumption
- High contact load





18.2 x 10.6 x 14.7 mm

#### **CONTACT DATA**

Contact Arrangement	1A = SPST N.O	
	1C = SPDT	
Contact Rating	4.2A @ 277VAC; 5A @ 250VAC	
	10A @ 125VAC Resistive	
	1/4 hp, 120/250/277VAC	
	TV-5, 120VAC; Pilot Duty: C150	
Contact Resistance	< 50 milliohms initial	
Contact Material	AgCdO	4.3
Maximum Switching Power	150W 1250VA	a. (
Maximum Switching Voltage	277VAC, 30VDC	-
Maximum Switching Current	10A	100
-		

#### **COIL DATA**

	oltage OC	Coil Res		Pick Up Voltage VDC (max)	Release Voltage VDC (min)	Coil Power W	Operate Time ms	Release Time ms
VL		72 _	10 /6	75%	10%	V V	1113	1113
Rated	Max.	.20W	.45W	of rated voltage	of rated voltage			
3	3.9	45	20	2.25	0.3			
5	6.5	125	55	3.75	0.5			
6	7.8	180	80	4.50	0.6			
9	11.7	400	180	6.75	0.9	.20	10	10
12	15.6	720	320	9.00	1.2	.45		
18	22.8	1620	720	13.50	1.8			
24	31.2	2800	1280	18.00	2.4			
48	62.4	11520	5120	36.00	4.8	1		

#### 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	1000V rms min. @ sea level
Contact to Contact	4000V rms min. @ sea level
Shock Resistance	100m/s <sup>2</sup> for 11ms
Vibration Resistance	1.50mm double amplitude 10-40Hz
Terminal (Copper Alloy) Strength	10N
Operating Temperature	-40 °C to + 85 °C
Storage Temperature	-40 °C to + 155 °C
Solderability	230 °C ± 2 °C for 10 ± 0.5s
Weight	9.5g

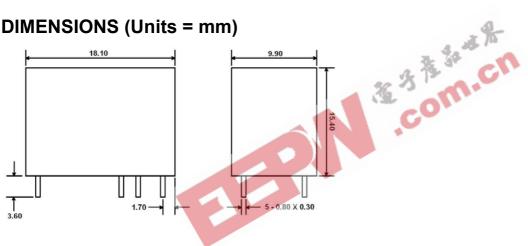


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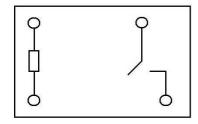
#### **ORDERING INFORMATION**

1. Series:	WJ105	1C	9VDC	.45
WJ105				
2. Contact Arrangement:				
1A = SPST N.O.				
1C = SPDT				
3. Coil Voltage:				
3VDC			<b>'</b>	
5VDC				
6VDC				
9VDC				
12VDC				
18VDC				
24VDC				
48VDC				
4. Coil Power:				
.20 = .20W (only available with 1	A contacts)			
.45 = .45W	,			

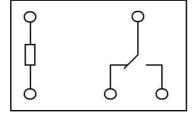
## **DIMENSIONS (Units = mm)**



# SCHEMATICS & PC LAYOUTS (BOTTOM VIEWS)



**1A** 



1C

