

Distributor: [Electro-Stock www.electrostock.com](http://www.electrostock.com) Tel: 630-682-1542 Fax: 630-682-1562

## FEATURES:

- Switching capacity 16A
- Low profile 15.7mm
- F Class insulation standard
- UL/CUL certified

 **E197852**



29.0 x 12.6 x 15.7 mm

## CONTACT DATA

Contact Arrangement	1A = SPST N.O. 1B = SPST N.C. 1C = SPDT
Contact Rating	12A @ 250VAC/30VDC general purpose 16A @ 250VAC/30VDC general purpose
Contact Resistance	< 50 milliohms initial
Contact Material	AgSnO <sub>2</sub>
Maximum Switching Power	480W, 4000VA
Maximum Switching Voltage	440VAC, 110VDC
Maximum Switching Current	16A

## COIL DATA

Coil Voltage VDC		Coil Resistance Ω ± 10%	Pick Up Voltage VDC (max)	Release Voltage VDC (min)	Coil Power W	Operate Time ms	Release Time ms
Rated	Max.		75% of rated voltage	10% of rated voltage			
5	6.5	62	3.75	0.5	.41	10	5
6	7.8	90	4.50	0.6			
9	11.7	202	6.75	0.9			
12	15.6	360	9.00	1.2			
24	31.2	1440	18.00	2.4			
48	62.4	5760	36.00	3.6			
60	78.0	7500	45.00	4.5	.48		
110	143.0	25200	82.50	8.25			

### 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

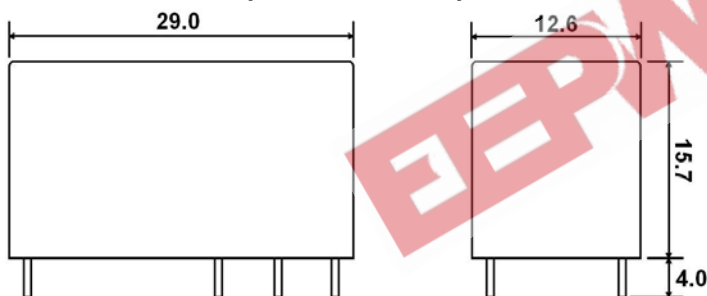
Electrical Life @ rated load	100K cycles, typical
Mechanical Life	10M cycles, typical
Insulation Resistance	1000MΩ min @ 500VDC
Dielectric Strength, Coil to Contact	5000V rms min. @ sea level
Contact to Contact	1000V rms min. @ sea level
Shock Resistance	500m/s <sup>2</sup> for 11ms
Vibration Resistance	1.50mm double amplitude 10-40Hz
Terminal (Copper Alloy) Strength	5N
Operating Temperature	-40 °C to + 125 °C
Storage Temperature	-40 °C to + 155 °C
Solderability	230 °C ± 2 °C for 10 ± 0.5s
Weight	13.5g

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## ORDERING INFORMATION

<b>1. Series:</b>	WJ114FL	1C	S	16	12VDC	5.0
WJ114FL						
<b>2. Contact Arrangement:</b>						
1A = SPST N.O.						
1B = SPDT N.C.						
1C = SPDT						
<b>3. Sealing Options:</b>						
S = Sealed						
<b>4. Contact Rating:</b>						
12 = 12A						
16 = 16A						
<b>5. Coil Voltage:</b>						
5VDC						
6VDC						
9VDC						
12VDC						
24VDC						
48VDC						
60VDC						
110VDC						
<b>6. Terminal Spacing:</b>						
3.5 = 3.5mm						
5.0 = 5.0mm **Standard for 16A version						

## DIMENSIONS (Units = mm)



## SCHEMATICS & PC LAYOUTS (BOTTOM VIEWS)

