

RoHS Compliant c Sus



29.24 x 13.15 x 15.7 mm

# Features

- Switching capacity 16A
- Produced in accordance to IEC 60335-1
- PC board mounting
- UL/CUL certified

## **Contact Data**

Contact Arrangement	1A = SPST N.O.
	1C = SPDT
	2A = DPST N.O.
	2C = DPDT
Contact Rating	12A @ 25VAC; 30 VDC, General Purpose, 85°C
	12A @ 25VAC; 30 VDC, General Purpose, 85°C 16A @ 250VAC; 30VDC, General Purpose, 85°C
	8A @ 277VAC; 30VDC, General Purpose, 85°C

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l	Contact Resistance	< 50 milliohms initial
l	Contact Material	AgSnO <sub>2</sub>
١	Maximum Switching Power	480W, 4000VA
J	Maximum Switching Voltage	380VAC, 110VDC
	Maximum Switching Current	16A

## Coil Data

	oltage DC	Coil Resistance Ω +/- 10%	Pick Up Voltage VDC (max) 75% of rated	Release Voltage VDC (min) 10% of rated	Coil Power W	Operate Time ms	Release Time ms
Rated	Max		voltage	voltage			
5	6.5	62	3.75	.5			
6	7.8	90	4.50	.6			
9	11.7	202	6.75	.9	14	40	_
12	15.6	360	9.00	1.2	.41	10	5
24	31.2	1440	18.00	2.4			
48	62.4	5760	36.00	3.6			

## 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	1000V rms min. @ sea level		
Shock Resistance	500m/s <sup>2</sup> for 11 ms		
Vibration Resistance	1.50mm double amplitude 10~40Hz		
Operating Temperature	-55°C to +105°C		
Storage Temperature	-55°C to +155°C		
Solderability	260°C for 5 s		
Weight	14g		

#### Caution

1. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

www.citrelay.com phone - 763.535.2339

fax - 763.535.2194

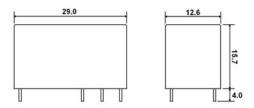


## **Ordering Information**

1. Series	J114FL	1C	S	16	12VDC	.41
J114FL						
2. Contact Arrangeme 1A = SPST N.O. 1C = SPDT 2A = DPST N.O. 2C = DPDT	nt					
3. Sealing Option S = Sealed						
4. Contact Rating 12 = 12A **only available with 1 pole relays 16 = 16A **only available with 1 pole relays 8 = 8A **only available with 2 pole relays						
5. Coil Voltage 5VDC 6VDC 9VDC	12VDC 24VDC 48VDC					
6. Coil Power .41 = .41W						'

## **Dimensions**

Units = mm



# Schematics & PC Layouts

### **Bottom Views**

