

RoHS Compliant





E197851

Features

- Switching capacity 16A
- 20mm height
- PC board mounting
- UL/CUL certified

Contact Data

Contact Arrangement	1A = SPST N.O.		
	1C = SPDT		
	2A = DPST N.O.		
	2C = DPDT		
Contact Rating	ing 1A: 16A @ 250VAC; 30VDC, Resistive, 70°C		
	1C: 16A @ 250VAC; 30VDC, Resistive, 70°C		
	1AH: 16A @ 240VAC; 30VDC, Resistive		
	1CH: 16A @ 240VAC; 30VDC, Resistive		
	2A: 8A @ 250VAC; 5A @ 30VDC, Resistive, 70°C		
	2C: 8A @ 250VAC; 5A @ 30VDC, Resistive, 70°C		

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

Coil Data

Coil Voltage VDC		Coil Resistance Ω +/- 10%		Pick Up Voltage VDC (max) 75% of rated voltage	Release Voltage VDC (min) 10% of rated voltage	Coil Power W	Operate Time ms	Release Time ms
Rated	Max	.53W	.72W	Voltage	voltage			
3	3.9	17	13	2.25	.3			10
5	6.5	47	35	3.75	.5			
6	7.8	67	50	4.50	.6			
9	11.7	150	110	6.75	.9	.53 .72		
12	15.6	270	200	9.00	1.2	.12		
24	31.2	1050	800	18.00	2.4			
48	57.6	4250	3200	36.00	4.8			

General Data

Electrical Life @ rated load	100K cycles, typical	
Mechanical Life	10M cycles, typical	
Insulation Resistance	100M Ω min. @ 500VDC	Caution
Dielectric Strength, Coil to Contact	5000V rms min. @ sea level	1. The use of any coil voltage less than the rated coil voltage may compromise the
Contact to Contact	1000V rms min. @ sea level	operation of the relay.
Shock Resistance	500m/s ² 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	

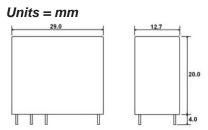
www.citrelay.com phone - 763.535.2339 fax - 763.535.2194



Ordering Information

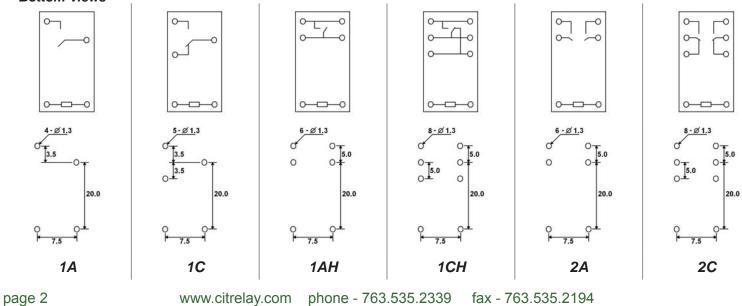
1. Series	J114AF	1C	S	12VDC	.53
J114AF					
2. Contact Arrangeme 1A = SPST N.O. 1C = SPDT 1AH = SPST N.O. 1CH = SPDT Altern 2A = DPST N.O. 2C = DPDT	Alternate PC Layout				
3. Sealing Option S = Sealed					
4. Contact Voltage 3VDC 5VDC 6VDC 9VDC	12VDC 24VDC 48VDC				
5. Coil Power .53 = .53W .72 = .72W					

Dimensions



Schematics & PC Layouts

Bottom Views



Dimensions shown in mm. Dimensions are shown for reference purposes only.