

RoHS Compliant CNUs



E197851

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 @ 250VAC; 30 VDC, General Purpose, 85°C	
	16A @ 250VAC; 30VDC, General Purpose, 85°C	
	8A @ 277VAC; 30VDC, General Purpose, 85°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		Voltage	voltage			
5	6.5	62	3.75	.5	.41 10	10	5
6	7.8	90	4.50	.6			
9	11.7	202	6.75	.9			
12	15.6	360	9.00	1.2		5	
24	31.2	1440	18.00	2.4			
48	62.4	5760	36.00	3.6			

General Data*

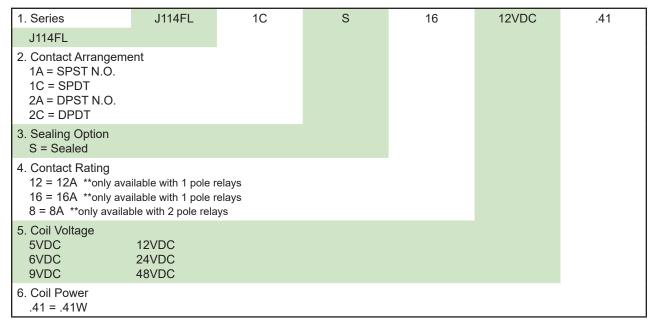
Electrical Life @ rated load	100K cycles, average		
Mechanical Life	10M cycles, average		
Insulation Resistance	100M Ω min. @ 500VDC initial		
Dielectric Strength, Coil to Contact	5000V rms min. @ sea level initial		
Contact to Contact	1000V rms min. @ sea level initial		
Shock Resistance	500m/s ² for 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		

* Values can change due to the switching frequency, desired reliability levels, environmental conditions and in-rush load levels. It is recommended to test actual load conditions for the application. It is the user's responsibility to determine the performance suitability for their specific application. 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

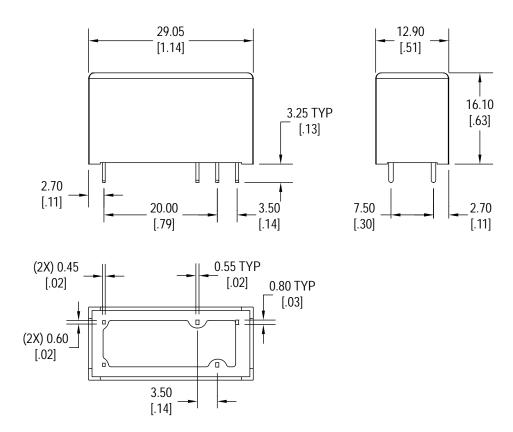


Ordering Information



Dimensions - 12amp Single Pole

Units = mm

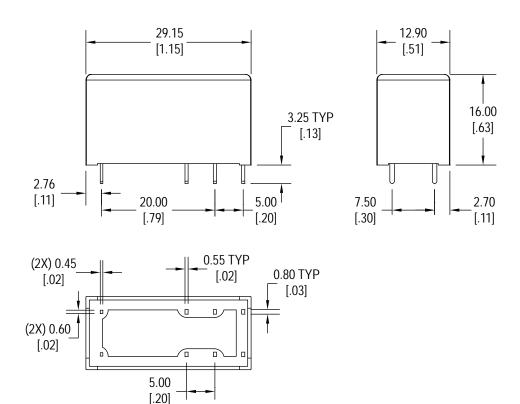


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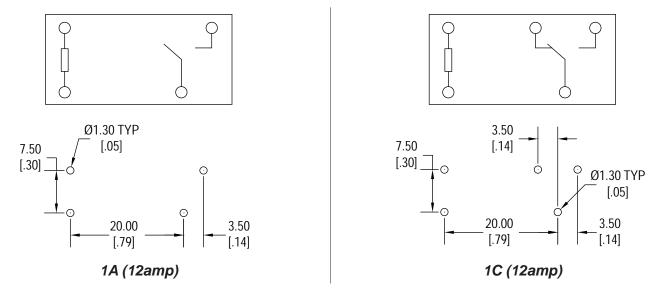
Dimensions - 16amp Single Pole, 8amp Double Pole

Units = mm



Schematics & PC Layouts

Bottom Views



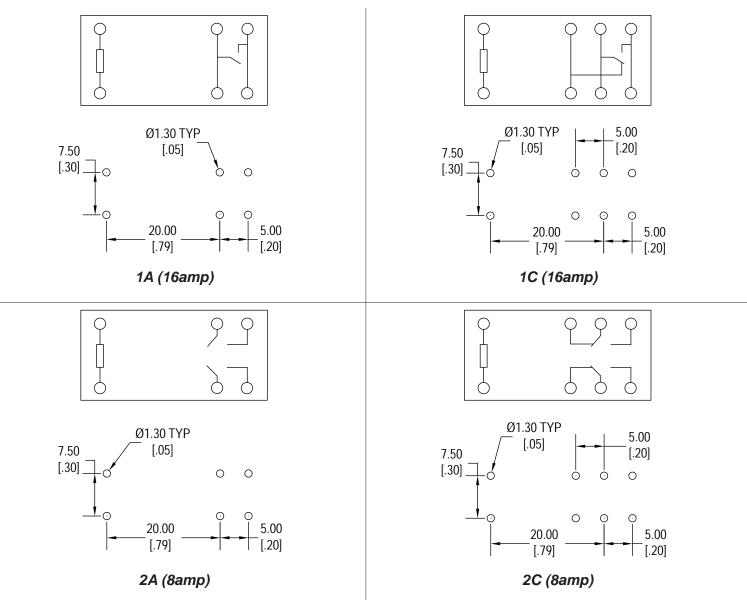
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Bottom Views



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