

## Features

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

Contact Arrangement

### Contact Data\*

1A = SPST N.O.	Contact Resistance	< 50 milliohms initial
1C = SPDT	Contact Material	AgSnO <sub>2</sub>
2A = DPST N.O.	Maximum Switching Power	480W, 4000VA
2C = DPDT	Maximum Switching Voltage	380VAC, 110VDC

Maximum Switching Current

16A

UL Electrical Rating			Coil Power	
12A Contact Single Pole	NO	12A @ 250VAC; 30VDC, Resistive, 6K cycles, 85°C	.41W	
	NC	12A @ 250VAC; 30VDC, Resistive, 6K cycles, 85°C		
16A Contact Single Pole	NO	16A @ 250VAC; 30VDC, Resistive, 6K cycles, 85°C	.41W	
		16A @ 277VAC, Resistive, 100K cycles, 105°C		
	NC	16A @ 250VAC; 30VDC, Resistive, 6K cycles, 85°C		
8A Contact Double Pole	NO	8A @ 277VAC; 30VDC, Resistive, 6K cycles, 85°C	.41W	
	NC	8A @ 277VAC; 30VDC, Resistive, 6K cycles, 85°C		
10A Contact Double Pole	NO	10A @ 250VAC, Resistive, 50K cycles, 85°C	.53W	
		10A @ 30VDC, Resistive, 10K cycles, 85°C		

# 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
				voltage	voltage					
Rated	Max	.41W	.53W	vollage	voltage					
5	6.5	62	47	3.75	.5		10	5		
6	7.8	90	67	4.50	.6					
9	11.7	202	150	6.75	.9	.41				
12	15.6	360	270	9.00	1.2	.53				
24	31.2	1440	1050	18.00	2.4					
48	62.4	5760	4250	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 <sup>2</sup> for 11 ms		
Vibration Resistance	1.50mm double amplitude 10~40Hz		
Operating Temperature	-55°C to +125°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.

### **Ordering Information**

1. Series	J114FL	1C	S	16	12VDC	.41
J114FL						
2. Contact Arrangem 1A = SPST N.O. 1C = SPDT 2A = DPST N.O. 2C = DPDT	ent					
3. Sealing Option S = Sealed						
16 = 16A, only avail 8 = 8A, only availab	able with 1 pole relays able with 1 pole relays le with 2 pole relays able with 2 pole relays	& .53W coil power				
5. Coil Voltage 5VDC 6VDC 9VDC 12VDC 24VDC 48VDC						
6. Coil Power .41 = .41W .53 = .53W, only av	vailable with 2 pole, <sup>2</sup>	10A contacts				



Dimensions - 12amp Single Pole

Units = mm



Dimensions - 16amp Single Pole, 8amp Double Pole, 10amp Double Pole Units = mm





#### Schematics & PC Layouts

**Bottom Views** 



Dimensions are shown for reference purposes only. Specifications and availability subject to change without notice. J114FL Rev C 10/2022