



**c** **UL** **us** RoHS Compliant

**J114AF**

E197851

29.0 x 12.7 x 20 mm

## 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	1A: 16A @ 250VAC; 30VDC 1C: 16A @ 250VAC; 30VDC 1AH: 16A @ 240VAC; 30VDC 1CH: 16A @ 240VAC; 30VDC 2A: 8A @ 250VAC; 5A @ 30VDC 2C: 8A @ 250VAC; 5A @ 30VDC

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

## Coil Data

Coil Voltage VDC		Coil Resistance $\Omega$ +/- 10%		Pick Up Voltage VDC (max)	Release Voltage VDC (min)	Coil Power W	Operate Time ms	Release Time ms
Rated	Max	.53W	.72W	75% of rated voltage	10% of rated voltage			
3	3.9	17	13	2.25	.3	.53 .72	20	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			
12	15.6	270	200	9.00	1.2			
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 $\Omega$ 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.

Specifications and availability subject to change without notice.

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

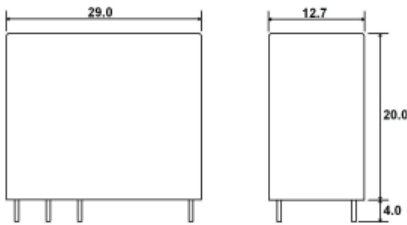
# J114AF

## Ordering Information

1. Series	J114AF	1C	S	12VDC	.53
J114AF					
2. Contact Arrangement					
1A = SPST N.O.					
1C = SPDT					
1AH = SPST N.O. Alternate PC Layout					
1CH = SPDT Alternate PC Layout					
2A = DPST N.O.					
2C = DPDT					
3. Sealing Option					
S = Sealed					
4. Contact Voltage					
3VDC					
5VDC					
6VDC					
9VDC					
12VDC					
15VDC					
24VDC					
48VDC					
5. Coil Power					
.53 = .53W					
.72 = .72W					

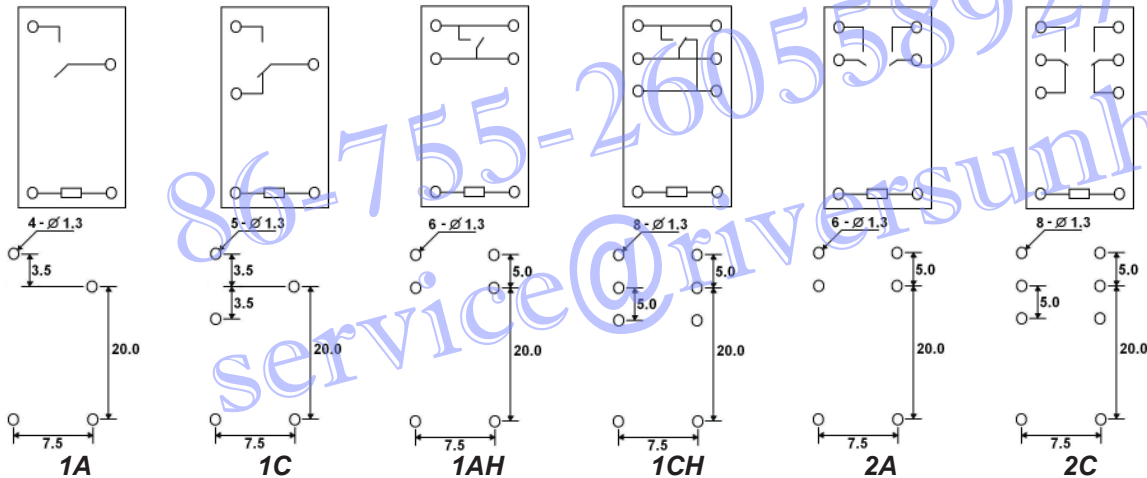
## Dimensions

Units = mm



## Schematics & PC Layouts

Bottom Views



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

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