



RoHS Compliant 

**J113**

E197851

20.5 x 7.1 x 15.2 mm

## Features

- Small size, light weight, low power consumption
- High density mounting
- Narrow width: 7.1mm
- UL/CUL certified

## Contact Data\*

Contact Arrangement	1A = SPST
Contact Rating	5A @ 277VAC Resistive, 100K cycles, 85°C 5A @ 30VDC Resistive, 100K cycles, 85°C
Contact Resistance	< 50 milliohms initial

Contact Material	AgNi
Maximum Switching Power	150W, 1385VA
Maximum Switching Voltage	30VDC, 277VAC
Maximum Switching Current	5A

## Coil Data\*

Coil Voltage VDC		Coil Resistance $\Omega$ +/- 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						
5	6.5	125	3.75	0.5	.20	≤10	≤10
12	15.6	720	9.00	1.2			
18	23.4	1620	13.50	1.8			
24	31.2	2880	18.00	2.4			

## General Data\*

Electrical Life @ rated load	100K cycles, average
Mechanical Life	500K cycles, average
Insulation Resistance	100M $\Omega$ min. @ 500VDC initial
Dielectric Strength, Coil to Contact	4000V rms min. @ sea level initial
Contact to Contact	750V rms min. @ sea level initial
Shock Resistance Functional	100m/s <sup>2</sup>
Destructive	1000m/s <sup>2</sup>
Vibration Resistance Functional	1.50mm double amplitude 10~55Hz
Destructive	1.50mm double amplitude 10~55Hz
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Solderability	260°C for 5s
Weight	4g

\* 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.

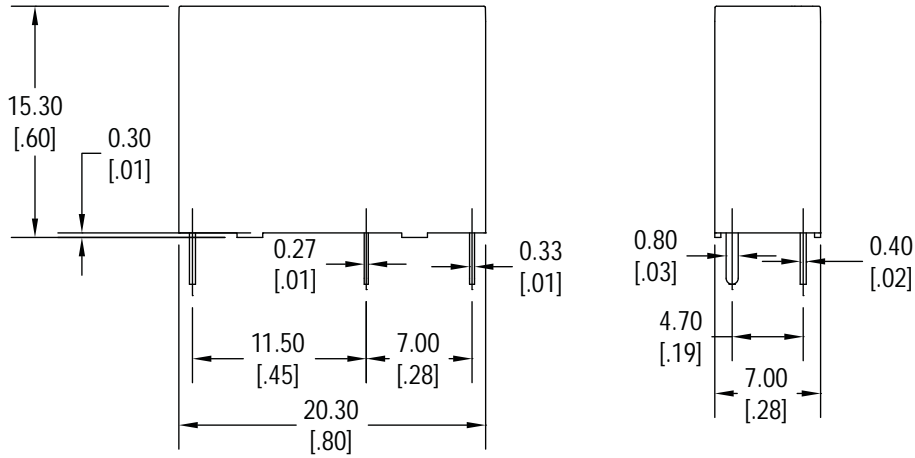
# J113

## Ordering Information

1. Series	J113	1A	S	12VDC	.20
J113					
2. Contact Arrangement	1A = SPST				
3. Sealing Option	S = Sealed				
4. Contact Voltage	5VDC 12VDC 18VDC 24VDC				
4. Coil Power	.20 = .20W				

## Dimensions

Units = mm



## Schematics & PC Layouts

Bottom Views

