CIT Relay & Switch

J111

22.2 x 16.5 x 10.9 mm

E197852

Features

- Low Profile
- Small size and light weight
- Coil voltages up to 100VDC
- UL/CUL certified

Contact Data*

Contact Arrangement	1A = SPST N.O.
	1C = SPDT
Contact Rating	1A: 16A @ 250VAC, Resistive
	1C: 10A @ 250VAC, Resistive

Contact Resistance	< 50 milliohms initial
Contact Material	AgSnO$_2$
Maximum Switching Power	300W
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	.20W	.45W					
5	6.5	125	56	3.75	0.5	.20 .45	8	5
12	15.6	720	320	9.00	1.2			
24	31.2	2880	1280	18.00	2.4			

General Data*

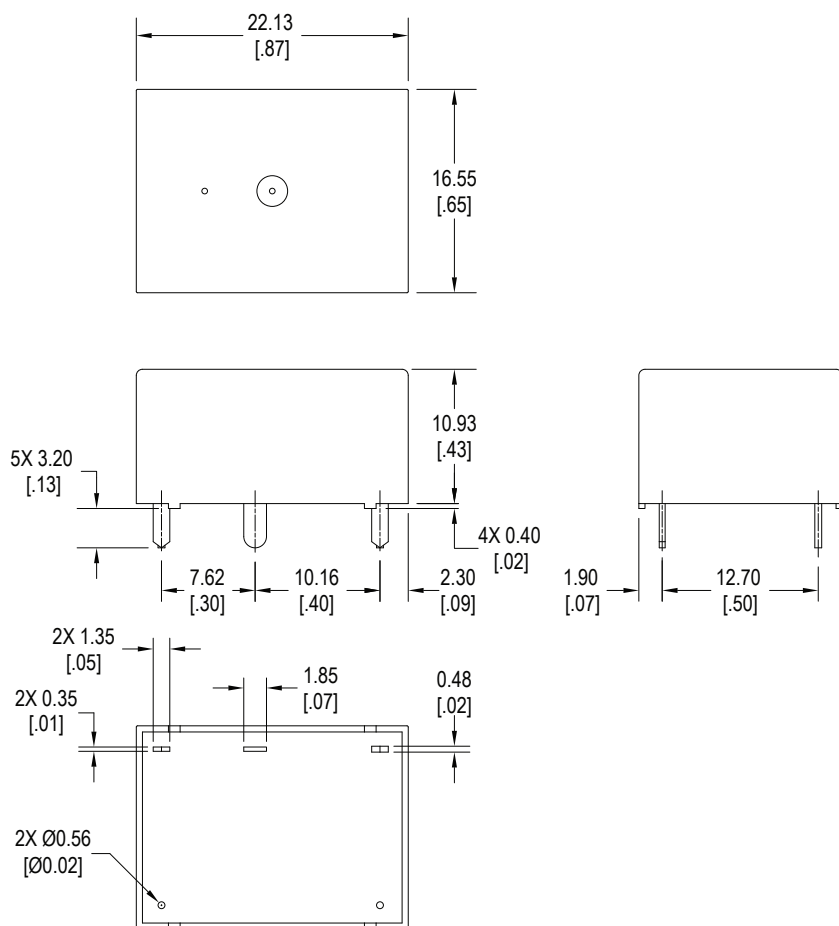| Electrical Life @ rated load	100K cycles, average
Mechanical Life	10M cycles, average
Insulation Resistance	100M Ω min. @ 500VDC initial
Dielectric Strength, Coil to Contact	1500V rms min. @ sea level initial
Contact to Contact	750V rms min. @ sea level initial
Shock Resistance	100m/s^2 for 11 ms
Vibration Resistance	1.50mm double amplitude 10~40Hz
Terminal (Copper Alloy) Strength	10N
Operating Temperature	-40ºC to +85ºC
Storage Temperature	-40ºC to +155ºC
Solderability	260ºC for 5 s
Weight	10g

* 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.

Dimensions are shown for reference purposes only.
Specifications and availability subject to change without notice.
J111 Rev B 10/2022

www.CITRelay.com
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Ordering Information

1. Series	J111	1A	S	12VDC	.45
J111					
2. Contact Arrangement 1A = SPST N.O. 1C = SPDT					
3. Sealing Option S = Sealed					
4. Contact Voltage 5VDC 12VDC 24VDC					
5. Coil Power .20 = .20W (only available with 1A contact) .45 = .45W					

Dimensions

Units = mm

Schematics & PC Layouts

Bottom Views

1A

1C

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