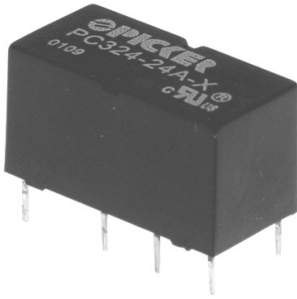


# Subminiature PCB Telecom Relay With Bifurcated Contacts

**PC324**



## FEATURES

- Subminiature Design
- Bifurcated Crossbar Contacts
- DIL Package for PC Board or Socket
- Contact Capacity from .01 mA @10mV to 1 A @ 24 VFC
- Meets FCC part 68 Voltage Surge
- Class "B" Insulation Standard
- RoHS Compliant:



Contact Form	2 Form C, DPDT(B-M) ( Bifurcated Crossbar)
Rated Load	1 A 24 VDC; 0.5A 120 VAC
Max. Switching Power	60W 125 VA
Max. Switching Voltage	220 VDC 250 VAC
Max. Switching Current	2 A
Min. Switching Load	.01 mA@10mV

## CONTACT DATA

Material		AgNi+Au (Clad); AgPd+Au CClad)
Initial Contact Resistance		50 mΩ max
Service Life	Mechanical	1 X 10 <sup>8</sup> Operations
	Electrical	1 A @ 24 VDC: 5 X 10 <sup>5</sup> (AgNi: 1 x 10 <sup>5</sup> ) 0.5 A @120 VAC: 2 x 10 <sup>5</sup>

## CHARACTERISTIC

Operate Time	4.5 ms. Max.
Release Time	1.5 ms. Max.
Insulation Resistance	1,000 MΩ min, at 500 VDC
Dielectric Strength	1000 VAC, 1 min, Between Open Contacts
	1000 VAC, 1 min, Between Coil and Contacts
	1000 VAC, 1 min, Between Contacts Poles
Surge Withstand Voltage	1,500 V, Between Open Contacts
	1,500 V, Between Coil and Contacts
	1,500 V, Between Contacts Poles
Power Consumption	560 mW, 400 mW

## CHARACTERISTIC Continued

Shock Resistance	Functional	100 m/s <sup>2</sup> 11 ms
	Survival	1000 m/s <sup>2</sup> 6 ms
Vibration Resistance	Functional	10 Hz - 55 Hz Double Amplitude 1.5 mm
	Survival	10 Hz - 55 Hz Double Amplitude 5 mm
Terminal Strength	5N	
Solderability	235 °C ± 2°C 3 s ± 0.5 s	
Temperature Range	- 40°C ~ 65°C (-40° F ~ 149° F) (- 40°C ~ 70°C for 0.4 W Coil)	
Weight	4.5 gr	

## ORDERING INFORMATION

Example:	PC324	-24	A	-X
Model:	<b>PC324</b>			
Coil Voltage:	3, 5, 6, 9, 12, 24, 48			
Contact Material:	Nil: AgNi+Au; P: AgPd+Au			
Coil Sensitivity:	A: 560 mW; B: 400 mW:			
RoHS Compliant:	-X			

Box Quantity: 4000; Inner Box: 1000

**COIL DATA**

Coil Voltage (VDC)		Resistance ohms ± 10%	Must Operate Voltage Max (VDC)	Must Release Voltage Min. (VDC)	Coil Power (mW)
Rated	Max				
3	4.2	16	2.1	0.3	560
5	7.0	45	3.5	0.5	560
6	8.4	66	4.2	0.6	550
9	12.3	140	6.3	0.9	580
12	17.4	280	8.4	1.2	520
24	34.0	1070	16.8	2.4	540
48	64.9	3900	33.6	4.8	590

3	4.9	22.5	2.1	0.3	400
5	8.1	62.5	3.5	0.5	
6	9.7	90.0	4.2	0.6	
9	14.5	203.0	6.3	0.9	
12	19.4	360.0	8.4	1.2	
24	38.9	1440.0	16.8	2.4	
48	77.8	5760.0	33.6	4.8	

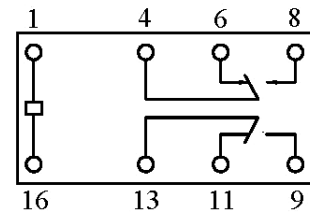
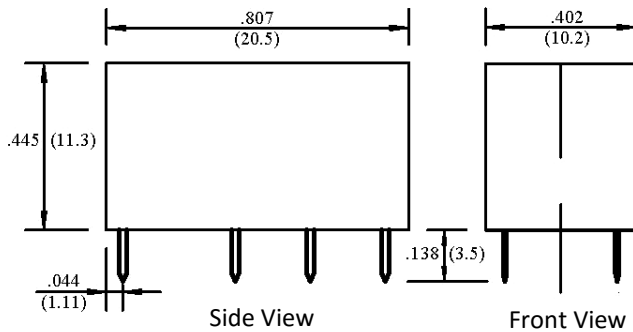
**NOTES:**

The use of any coil voltage less than the rated voltage will compromise the operation of the relays.

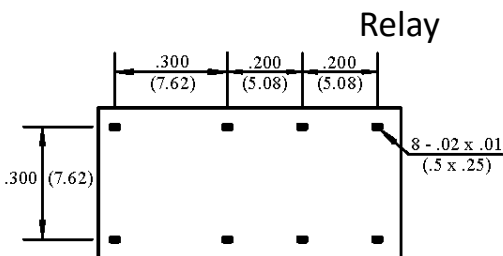
Must Operate Voltage is listed for test purposes only and is not to be used as design criteria.

Pickup and release voltages are for test purposes only and are not to be used as design criteria.

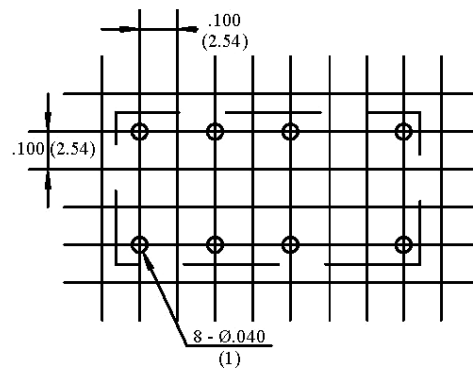
**DIMENSIONS Inches/(mm)**



Wire Diagram



Terminal Layout (Bottom View)



PC Board Layout (Top View)



3220 Commander Drive, Suite 102 Carrollton, TX 75006  
 Sales: (972) 713-6272 (888) 997-3933 Fax: (972) 735-0964

Dimensions are listed for reference purposes only.