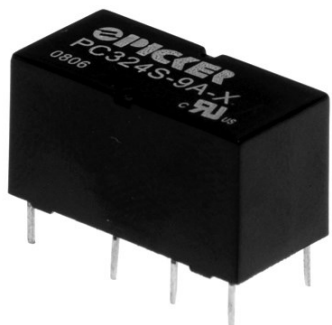


Subminiature PCB Telecom Relay With Bifurcated Contacts

PC324S



FEATURES

- Subminiature Design
- Bifurcated Crossbar Contacts
- DIL Package for PC Board or Socket
- Contact Capacity from 1 mA @ 10 VDC to 2 A @ 30 VDC
- Meets FCC part 68 Voltage Surge
- Class "B" Insulation Standard
- Sealed: Immersion Cleanable
- RoHS Compliant:
- Fully Automated Assembly



CONTACT DATA

Contact Form	2 Form C, DPDT(B-M) (Bifurcated Crossbar)
Rated Load	2 A / 30 VDC; 0.6A / 125 VAC
Max. Switching Power	60W 125 VA
Max. Switching Voltage	220 VDC 250 VAC
Max. Switching Current	2 A
Min. Switching Load	1 mA@10mV

Material	AgNi+Au (Clad)	
Initial Contact Resistance	50 mΩ max	
Service Life	Mechanical	1 X 10 ⁸ Operations
	Electrical	1 X 10 ⁵

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	400 mW, 560 mW

CHARACTERISTIC Continued

Shock Resistance	Functional	100 m/s ² 11 ms
	Survival	1000 m/s ² 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 ~ 90°C (-40° F ~ 194° F) (- 40°C ~ 80°C for 0.3 W , 0.45 W Coil)	
Weight	4.5 gr	

ORDERING INFORMATION

Example:	PC324	-9	A	-X
Model:	PC324			
Coil Voltage:	3, 5, 6, 9, 12, 24, 48			
Contact Material:	Nil: AgNi+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	

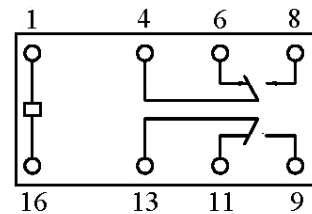
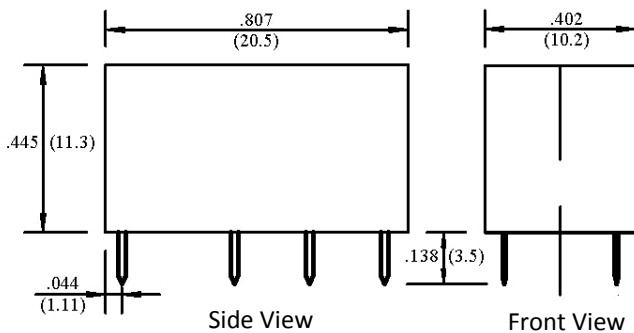
NOTES:

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

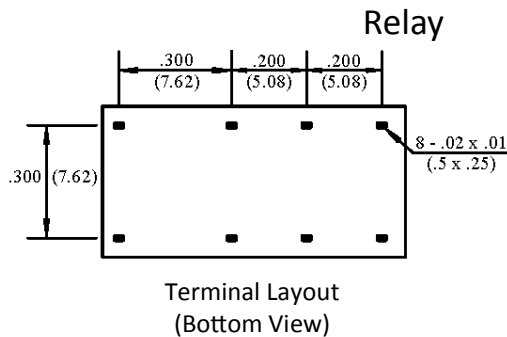
Must Operate Voltage is listed for test purposes only and is not to be used as design criteria.

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

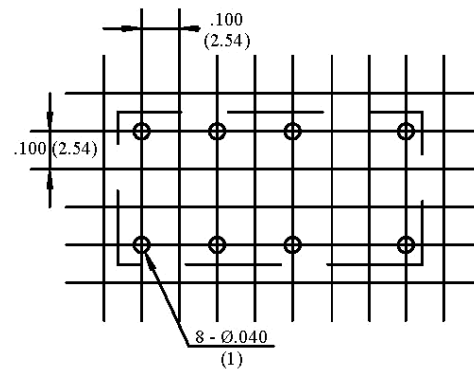
DIMENSIONS (mm/inches)



Wire Diagram (Bottom View)



Terminal Layout (Bottom View)



PC Board Layout (Top View)



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Dimensions are listed for reference purposes only.

Specifications and Availability subject to change without notice.