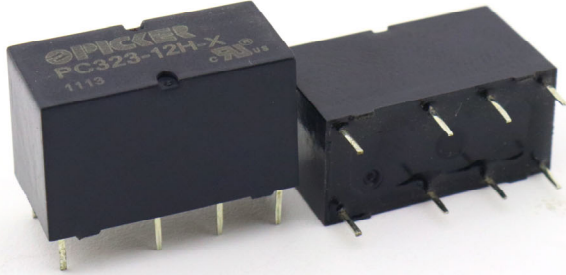


1 Amp Subminiature PCB Telecom Relay With Bifurcated Contacts PC323



FEATURES

- Subminiature Design
- Bifurcated Crossbar Contacts
- 0.300" 16 Pin DIL Package
- Contact Capacity from 1 mA to 1 A
- Meets FCC part 68 Voltage Surge
- Class "B" Insulation Standard
- Three Coil Sensitivities Available
- RoHS Compliant:

UL / CUL Ratings cULus E86876

Contact Form	2 Form C, DPDT(B-M) (Bifurcated Crossbar)
Rated Load	1A 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	0.01 mA @10mV

CONTACT DATA

Material	AgNi+Au (Clad); AgPd+Au (Clad)	
Initial Contact Resistance	50 mΩ max	
Service Life	Mechanical	2 X 10 ⁵ Operations
	Electrical	1 X 10 ⁸ Operations

CHARACTERISTICS

Operate Time	4.5 ms. Max.
Release Time	1.5 ms. Max.
Insulation Resistance	1,000 MΩ min, at 500 VDC
Dielectric Strength	1,000 VAC, 1 min, Between Open Contacts
	1,000 VAC, 1 min, Between Coil and Contacts
	1,000 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	150 mW, 200 mW, 450 mW

Shock Resistance	Functional	100 m/s ² 11 ms
	Survival	1,000 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	260°C for 5 seconds	
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:	PC323	-12	L	-X
Model:	PC323			
Coil Voltage:	5, 6, 9, 12, 24, 48			
Contact Material:	Nil: AgNi+Au (Clad); P: AgPd+Au (Clad)			
Coil Sensitivity:	Nil: 450 mW; L: 150 mW; H: 200 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
Rated	Max				
3	7.5	60	2.1	0.15	150 mW
5	12.5	167	3.5	0.25	150 mW
6	15.0	240	4.2	0.3	150 mW
9	22.5	540	6.3	0.45	150 mW
12	30.0	960	8.4	0.6	150 mW
18	40.0	1620	12.6	0.9	200 mW
24	52.9	2880	16.8	1.2	200 mW
48	84.9	7680	33.6	2.4	300 mW

3	6.5	45	2.1	0.3	200 mW
5	10.8	125	3.5	0.5	200 mW
6	13.0	180	4.2	0.6	200 mW
9	19.5	405	6.3	0.9	200 mW
12	26.5	720	8.4	1.2	200 mW
24	52.9	2880	16.8	2.4	200 mW
48	103.9	11520	33.6	4.8	200 mW

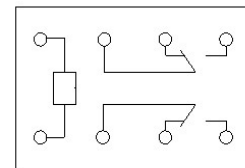
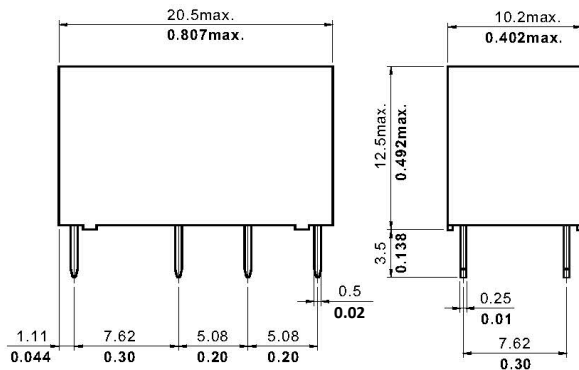
5	7.7	56	3.3	0.5	450 mW
6	9.2	80	4.0	0.6	450 mW
9	13.7	180	6.0	0.9	450 mW
12	18.3	320	8.0	1.2	450 mW
18	27.5	720	12.0	1.8	450 mW
24	36.7	1280	15.9	2.4	450 mW
48	72.5	5000	33.0	4.8	450 mW

NOTES:

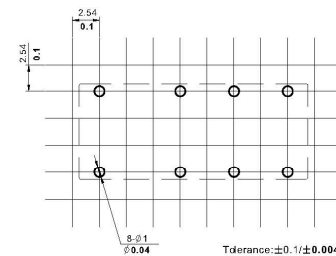
The use of any coil voltage less than the rated voltage will compromise the operation of the relays. Must Operate Voltage is listed for test purposes only and is not to be used as design criteria. Pickup and release voltages are for test purposes only and are not to be used as design criteria.

Dimensions are in mm, Inches are listed for reference only.

DIMENSIONS (mm/inches)



Wire Diagram



PC Board Layout