

Subminiature PCB Telecom Relay



PC323

FEATURES

- Subminiature Design
- Bifurcated Crossbar Contacts
- 0.300" 16 Pin DIL Package
- Meets FCC part 68 Voltage Surge



UL / CUL Ratings

Contact Form	2 Form C, DPDT (Crossbar Contacts)		
Rated Load	Voltage	Amps	
Resistive, 6K cycles, 40°C	24VDC	1A	
NO, Resistive, 6K cycles, 65°C	30VDC	2A	
Resistive, 6K cycles, 40°C	120VAC	.5A	

CONTACT DATA

Maximum Switching Power	60W, 75VA		
Maximum Switching Voltage	48VDC, 250VAC		
Maximum Switching Current	3A		
Material	AgNi+Au (clad)		
Initial Contact Resistance	50 mΩ max.		
Service Life Mechanical	1 x 10 ⁷ operations		
Electrical	1 x 10 ⁵ operations		

CHARACTERISTICS

Insulation Resistance	100MΩ min. at 500 VDC		
Dielectric Strength	1000V rms, between contacts		
	1500V rms, between coil & contacts		
Surge Withstand Voltage	1500V, between open contacts		
FCC part 68	1500V between contact poles		
	1500V between coil & contacts		
Power Consumption	.15 W, .20W		
Terminal Strength	5N		
Solderability	260°C 5 s ± 0.5 s		
Operating Temperature	-40°C to 85°C		
Storage Temperature	-40°C to 155°C		
Shock Resistance	100 m/s ² 11 ms		
Vibration Resistance	10-40 Hz double amplitude 1.5mm		
Weight	4.5g		

ORDERING INFORMATION

Example		PC323	-12		Н	-X
Model:	PC323					
Coil Voltage	5 = 5VDC 9 = 9VDC 12 - 12VDC 24 = 24VDC 48 = 48VDC					
Contact Material:	Nil = AgNi + Au			-		
Coil Sensitivity:	L = .15W H = .20W					
RoHS Compliant:	X = RoHS Complia	ınt				•

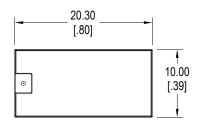
Values can change due to the switching frequency, desired reliability levels, environmental conditions, and in-rush current levels. It is recommended to test to actual load conditions for the application. It is the users responsibility to determine the performance suitability for their specific application. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

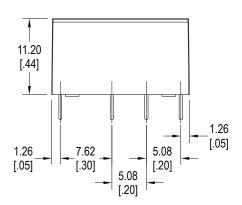


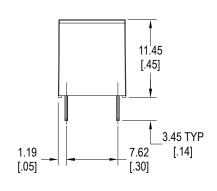
COIL DATA

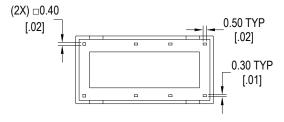
Coil \	Coil Voltage Resistance (Ohms ± 10%)		Pick Up Voltage Max. VDC	Release Voltage Min. VDC	Coil Power W	Operate Time ms	Release Time ms	
Rated	Maximum	.15W	.20W					
5	6.5	167	125	2.25	.5	.15 .20	4.5	1.5
9	11.7	540	405	6.75	.9			
12	15.6	960	720	9.00	1.2			
24	31.2	3840	2880	18.00	2.4			
48	62.4	n/a	11500	36.00	4.8			

DIMENSIONS mm (inches)









SCHEMATICS & PC LAYOUT Bottom Views

