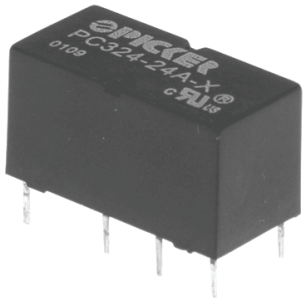
Subminiature PCB Telecom Relay

E86876

PC324



FEATURES

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

RoHS COMPLIANT

UL / CUL Ratings

Contact Form	2 Form C, DPDT (Crossbar Contacts)	
Rated Load	Voltage	Amps
Resistive, 6K cycles, 40°C	30VDC	2A
NO, Resistive, 6K cycles, 40°C	30VDC	3A
Resistive, 6K cycles, 40°C	125VAC	.6A

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 FCC part 68	1500V, between open contacts
	1500V between contact poles
	1500V between coil & contacts
Power Consumption	.40W, .55W
Terminal Strength	5N
Solderability	260°C 5 s ± 0.5 s
Operating Temperature	-40ºC to 85ºC
Storage Temperature	-40ºC to 155ºC
Shock Resistance	100 m/s² 11 ms
Vibration Resistance	10-40 Hz double amplitude 1.5mm
Weight	4.5g

ORDERING INFORMATION

Example		PC324	-12		B	-X
Model:	PC324					
Coil Voltage	5 = 5VDC 9 = 9VDC 12 - 12VDC 24 = 24VDC 48 = 48VDC					
Contact Material:	Nil = AgNi + Au					
Coil Sensitivity:	A = .55W B = .40W					
RoHS Compliant:	X = RoHS Compliant					

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 applicaiton. 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.

20550 Commerce Blvd, Rogers, MN 55374 USA
Sales (763) 535-2339

www.PickerComponents.com
email: sales@PickerComponents.com

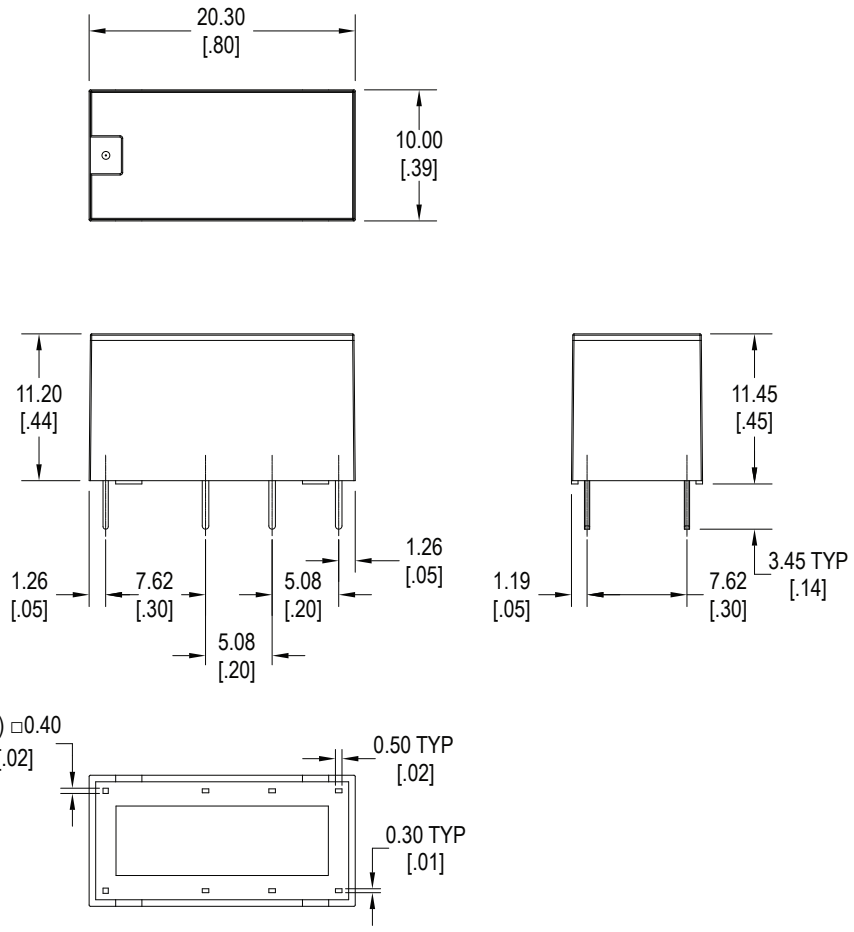
Dimensions are shown for reference purposes only.
PC324 Rev I 11/2022

Specifications and availability subject to change without notice.

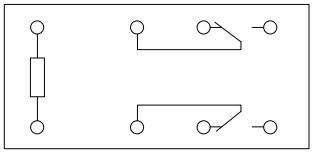
COIL DATA

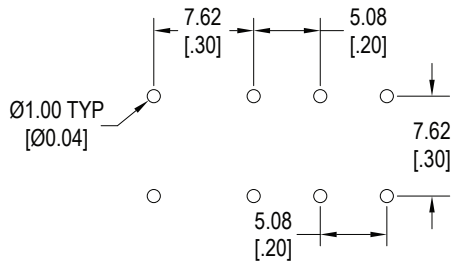
Coil Voltage		Resistance (Ohms ± 10%)		Pick Up Voltage Max. VDC	Release Voltage Min. VDC	Coil Power W	Operate Time ms	Release Time ms
Rated	Maximum	.40W	.55W					
5	6.5	63	45	2.25	.5	.40 .45	4.5	1.5
9	11.7	203	140	6.75	.9			
12	15.6	360	280	9.00	1.2			
24	31.2	1440	1070	18.00	2.4			
48	62.4	5760	3900	36.00	4.8			

DIMENSIONS *mm (inches)*



SCHEMATICS & PC LAYOUT *Bottom Views*





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