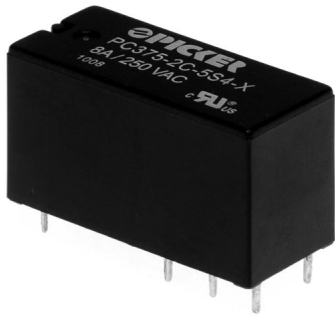


# 10 Amp Low Profile Miniature PCB Power Relay PC374



### FEATURES

- Up to 10 Amp Continuous Contact Capacity
- Miniature Size 28.5 x 12.5 x 10.1 mm
- Six Contact Forms
- Gold Clad Contact Option
- 5 KV Dielectric Strength Between Coil and Contacts
- 85°C Operating Temperature
- RoHS Compliant



### UL / CUL Ratings

Form	1A SPST	1C SPDT	1C2 SPDT	2A* DPST-NO	2B* DPST-NC	2C* DPDT
Number of Pins	4	5	8	6	6	8
Wire Diagram (Bottom View)						
General Purpose - 374	8 A 250 VAC 8 A 30 VDC		NC: 8 A 250 VAC NO: 8 A 250 VAC	2x5 277 VAC 2x5 30 VDC		
General Purpose - 374H	10 A 250 VAC 10 A 30 VDC		NC: 10 A 250 VAC NO: 10 A 250 VAC	N/A		
Coil Power	220 - 290 mW (Varies by Coil Voltage)					
Max Switching Current	10 A					
Max Switching Power	1A, 1C, 1C2 - 300 W, 2,500 VA 2A, 2B, 2C - 2x150 W, 2x1,250 VA					
Max Switching Voltage	440 VAC 125 VDC					
Min Switching Current	Gold plated: 50 mA Non Gold plated: 100 mA					
Min Switching Voltage	6 VDC					

### ORDERING INFORMATION

Example:	PC374	-1C	-12	C	-X
Model:	<b>PC374</b>				
Contact Form:	<b>1A, 1C, 1C2, 2A*, 2B*, or 2C*</b>				
Coil Voltage ( VDC ):	<b>5, 6, 9, 12, 24, 48, 60</b>				
Enclosure:	<b>C: Dust Cover</b>				
Contact Material:	<b>Nil: AgSnO<sub>2</sub>; N: AgNi; G: AgSnO+Au</b>				
Coil Sensitivity::	<b>Nil: 220-290 mW (Varies by Coil Voltage)</b>				
RoHS Compliant:	<b>-X</b>				

\*Available 2019

Box Quantity: 1000; Inner Box: 500

## COIL DATA

Coil Voltage		Resistance (Ohms $\pm$ 10%)	Must Operate Voltage Max (VDC)	Must Release Voltage Min. (VDC)	Coil Power (mW)
Rated	Max				
5	6.5	113	3.5	0.5	220
6	7.8	164	4.2	0.6	
9	11.7	360	6.3	0.9	230
12	15.6	620	8.4	1.2	
18	23.4	1,295	12.7	1.8	250
24	31.2	2,350	16.8	2.4	
48	62.4	8,000	33.6	4.8	290
60	78	12,500	42	6.0	

## 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.

## CONTACT DATA

Material		AgSnO <sub>2</sub> , AgNi
Initial Contact Resistance		100 m $\Omega$ max @ 1 A, 6 VDC
Service Life	Mechanical	1 X 10 <sup>7</sup> Operations
	Electrical	1 X 10 <sup>5</sup> Operations

## NOTES:

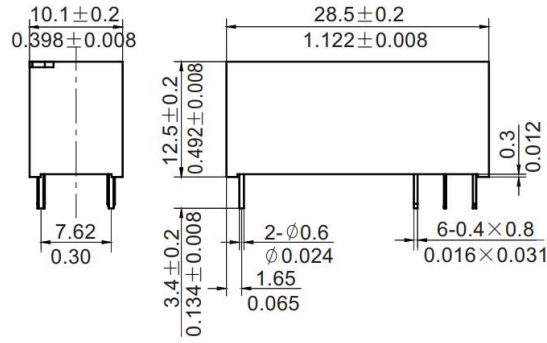
Contact Ratings for intermediate current applications  
(10 mA/6 VDC~100 mA/28 VDC) only applies at 25°C.

## CHARACTERISTIC

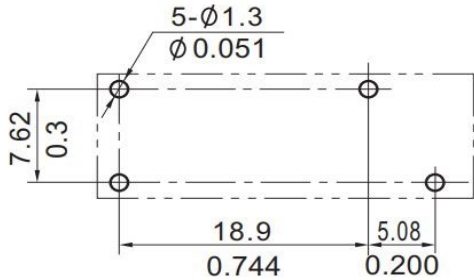
Operate Time	10 ms. Max.
Release Time	5 ms Max
Insulation Resistance	1,000 M $\Omega$ min, at 500 VDC, 50% RH
Dielectric Strength	5,000 V 50 HZ between coil and contacts
	1,000 V 50 HZ between open contacts
	2,500 V 50 HZ between contact sets
Shock Resistance	Functional: NO: 98 m/s <sup>2</sup> , NC: 49 m/s <sup>2</sup> Survival: 980 m/s <sup>2</sup>
Vibration Resistance	10 Hz- 55 Hz DA NO: 1.65mm
Terminal Strength	10N
Solderability	260°C for 5 seconds
Operating Temperature Range	Class B - 40°C to 85°C
Relative Humidity	85% (at 40°C)
Weight	8 grams

**DIMENSIONS**

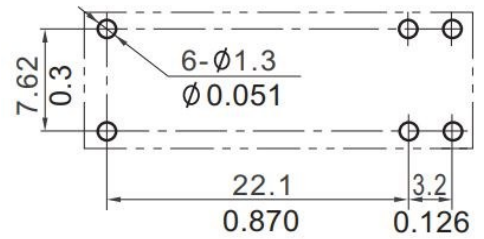
Dimensions are in millimeters  
Inches are given for general information only



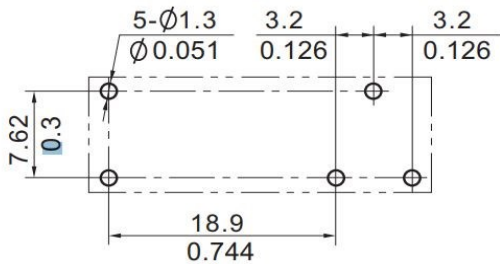
Mounting (Bottom View)



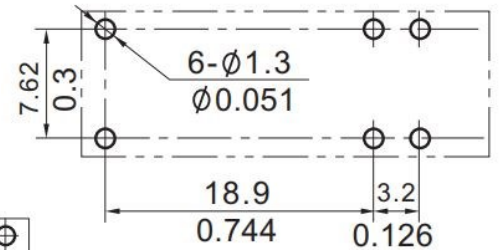
1A



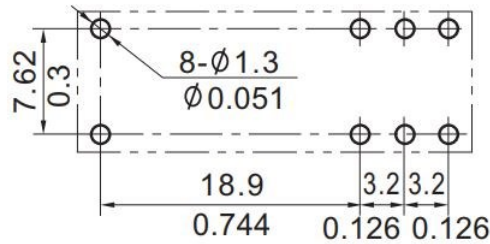
2A



1C

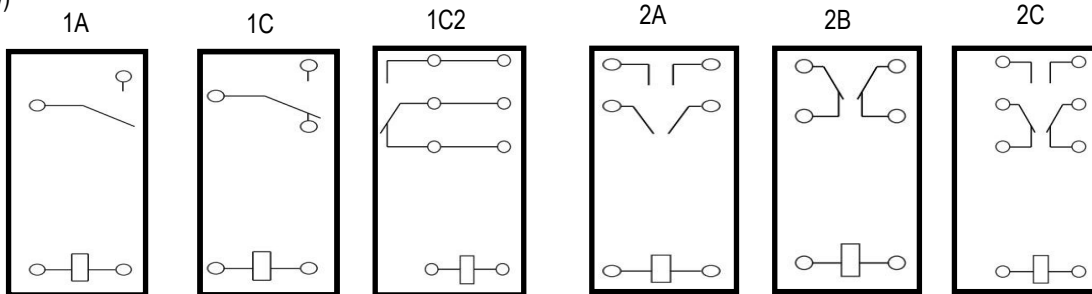


2B



1C2,2C

Wire Diagram  
(Bottom View)



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Dimensions are listed for reference purposes only.

Specifications and Availability subject to change without notice.