

Low Profile Miniature PCB Power Relay

PC378



FEATURES

- 10 Amp at 250 AC/30 VDC Contact Capacity
- 1A & 1C Contact Forms Available
- 5 KV Dielectric Strength Between Coil and Contacts
- 8 mm Creepage Distance Between Coil and Contacts
- Low Profile Design, .49 in. Tall
- Meets UL 873 Spacing
- Sealed, Immersion Cleanable
- **RoHS Compliant**

r. **FII** IIS E86876

Load Type	Contact Form			
Load Type	1A (SPST-NO)	1C (SPDT)		
Canaral	10 A @ 250 VAC	10 A @ 250 VAC		
General	10 A @ 30 VDC	10 A @ 30 VDC		
Max Switching Current	10 A			
Max. Switching Power	300 W 2,500 VA			
Max. Switching Voltage	125 VDC 440 VAC			

CONTACT DATA

Material		AgSnO ₂ , AgNi, AgSnO ₂ +Au (Clad)		
Initial Contact Resistance		100 mΩ Max		
Service Life	Electrical	1 x 10 ⁵ Operations		
	Mechanical	1 x 10 ⁷ Operations		

CHARACTERISTICS

Operate Time	10 ms Max.		
Release Time	5 ms Max.		
Insulation Resistance	1,000 MΩ Min at 500 VDC		
	1,000 V 50Hz 1 min Between Contacts		
Dielectric Strength	5,000 V 50Hz 1 min Between Contact and Coil		
	2,500 V 50Hz 1 min Between Contact Sets		
Terminal Strength	10 N		
Power Consumption	220 mW - 290 mW		

CHARACTERISTICS CONTINUED

CHARACTERISTICS CONTINUED				
Shock Resistance	Functional	NO: 100 m/s ²		
		NC: 50 m/s ²		
Vibration Resistance		10 Hz - 55 Hz Double Amplitude NO: 1.65 mm		
		No Coil Voltage NC: 0.8 mm		
Solderability		260°C ± 2°C 3 s ± 0.5 s		
Operating Temper	ature	- 40° C to 85° C		
Relative Humidity		35% - 85% at 40° C		
Weight		8 grams		

ORDERING INFORMATION

Example:	PC378	-2C	-12	S	С	-X
Model: PC378						
Contact Form: 1A or 1C						
Coil Voltage: 5, 6, 12, 24, 48, 60						
Enclosure: S: Sealed; C: Dust Cover						
Contact Material: Nil: AgSnO ₂ ; N: AgNi; G: AgSnO ₂ + Au						
RoHS Compliant: -X						

Box Quantity: 2,000; Inner Box 1,000



3220 Commander Drive, Suite 102 Carrollton, TX 75006

Sales: (972) 713-6272 (888) 997-3933

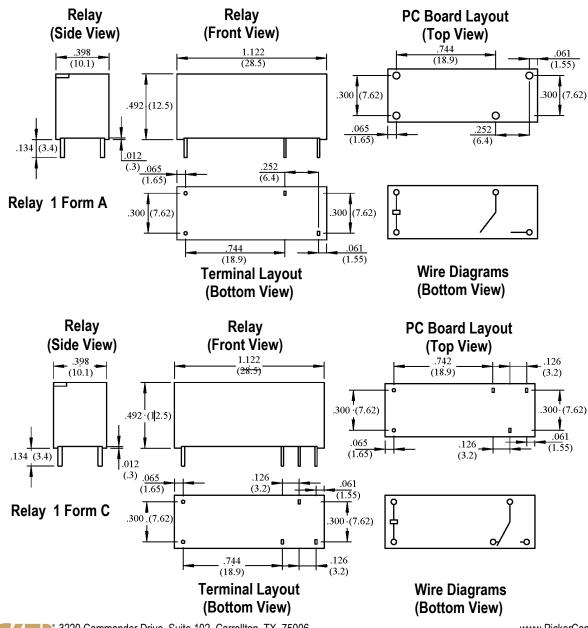
Fax: (972)735-0964

PC378 PC378

COIL DATA

Coil Voltage (VAC)		Resistance	Must Operate Voltage Max	Must Release Voltage Min	Coil Power	
Rated	Max	(Ohms ± 10%)	(VAC)	(VAC)	mW	
5	6.5	113	3.5	0.5	220	
6	7.8	164	4.2	0.6	220	
9	11.7	360	6.3	0.9	230	
12	15.6	620	8.4	1.2	230	
18	23.4	1,295	12.7	1.8	250	
24	31.2	2,350	16.8	2.4	250	
48	62.4	8,000	33.6	4.8	290	
60	78.0	12,500	42.0	6.0	290	

DIMENSIONS inches (mm)



3220 Commander Drive, Suite 102 Carrollton, TX 75006

Sales: (972) 713-6272 (888) 997-3933 Fax: (972)735-0964

www.PickerComponents.com e-mail: sales@pickercomponents.com

Specifications and Availability subject to change without notice.