Subminiature PCB Power Relay — PC435



FEATURES

- 10 Amp continous contact capacity
- 1 Form A & 1 form C contact forms
- Subminature design
- Class "B" insulation standard
- Sensitive version available
- 4 Kv dielectric between coil and contacts
- 8mm spacing between contacts and coil
- Sealed, immersion cleanable
- Lead Free & RoHS Compliant

c UL us File # E93379

UL/CUR RATINGS

Load Type	Normally Open Contact	Normally Closed Contact
General Use	10 Amps @ 125 VAC	5 Amps @ 125 VAC
	5 Amps @ 250 VAC	3 Amps @ 250 VAC
	5 Amps @ 30 VDC	3 Amps @ 30 VDC
	4.2 Amps @ 277 VAC	2 Amps @ 277 VAC
Motor	1/4 HP @ 250 & 277 VAC	—
Tungsten Lamp	TV-5	—

CONTACT DATA

Material		AgCdO (Silver Cadmium Oxide)
Initial Contact Resistance		100 milliohms max @ 0.1A, 6VDC
Service Life	Mechanical	1 X 10^7 Operations
	Electrical	1 X 10^5 Operations

CHARACTERISTICS

Operate Time	8 ms. Max.
Release Time	5 ms. Max.
Insulation Resistance	1000 megohms min, at 500VDC, 50%RH
Dielectric Strength	4000 Vrms, 1 min. between coil and contacts 1000 Vrms, 1 min. between open contacts
Shock Resistance	10 g, 11ms, functional; 100 g, destructive
Vibration Resistance	DA 1.6 mm, 10 - 55 Hz
Power Consumption	.45 W
Ambient Temperature Range	-40 to 70 C operating for class B, -40 to 130 C storage
Weight	7 grams approx.

ORDERING INFORMATION

Example: PC435 -1C -12 S F -H -X

Model: **PC435**

Contact Form: **1A, 1C**

Coil Voltage: **3, 5, 6, 9, 12, 24, 48**

Enclosure: **S**: Sealed; **C: Flux Free**

Insulation System: **Nil**: Class B (125 degrees C), **F**: Class F (155 degrees C)

Coil Sensitivity: **Nil**: Standard .45 W, **H:** Sensitive .2 W

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

Dimensions are listed for reference purposes only.

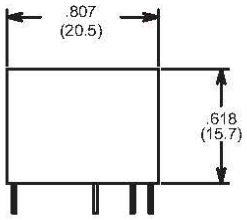
Specifications and Availability subject to change without notice.

COIL DATA

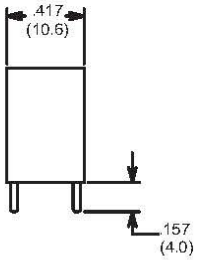
Coil Voltage	Resistance ohms ± 10%				Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)
	Standard Coil		Sensitive Coil			
3	20	0.45 W	45	0.20 W	2.25	0.15
5	56		125		3.75	0.25
6	80		180		4.50	0.30
9	180		405		6.75	0.45
12	320		720		9.00	0.60
18	720		1620		13.50	0.90
24	1280		2880		18.00	1.20

Dimensions in Inches (millimeters)

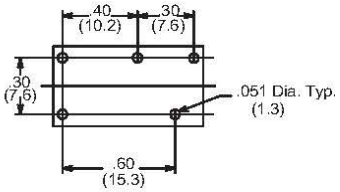
Side View



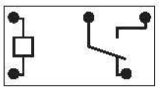
End View



Bottom View
PC Board Layout



Wiring Diagram



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