Subminature 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
- Sealed, immersion cleanable

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, 30 VDC	3 Amps @ 250 VAC, 30 VDC
Motor	1/4 HP @ 250 VAC	—
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

Model

Contact Form
1A, 1C

Coil Voltage

Enclosure
S: Sealed; C: Flux Free

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

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

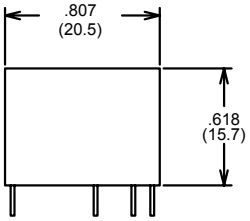
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COIL DATA

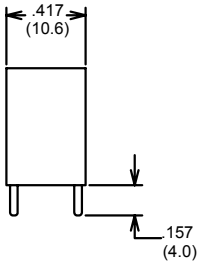
Coil Voltage	Resistance ohms ± 10%				Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)
	Standard Coil		Sensitive Coil			
3	20	0.45 W	45	0.20 W	2.25	0.15
5	55		125		3.75	0.25
6	80		180		4.50	0.30
9	180		400		6.75	0.45
12	320		720		9.00	0.60
18	720		1620		13.50	0.90
24	1280		2800		18.00	1.20

Dimensions in Inches (millimeters)

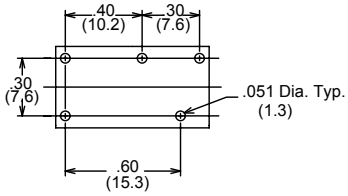
Side View



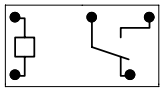
End View



Bottom View
PC Board Layout



Wiring Diagram



Notes:
Contact Form C shown
On Contact Forms A & B Unused Pins are Omitted
Tolerances ± .010 unless otherwise noted

PICKER COMPONENTS

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