



10 Amp Subminiature PCB Power Relay

PCH410



FEATURES

- 10 Amp continuous contact capacity
- 1 Form A, 1 form B & 1 form C contact forms
- Most popular package and footprint
- Class "B" insulation standard
- Class "F" insulation available
- Very economically priced
- Sealed, immersion cleanable

CAL US File # E86876

UL/CSA RATINGS

Load Type	All Forms All Contacts
General Use	10 Amps @ 120 VAC & 28 VDC, 7 Amps @ 240 VAC
Resistive	10 Amps @ 120 VAC & 28 VDC, 7 Amps @ 240 VAC

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

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CHARACTERISTICS

Operate Time	10 ms. Max.
Release Time	5 ms. Max.
Insulation Resistance	1,000 megohms min, at 500VDC, 50%RH
Dielectric Strength	1500 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 1.5 mm, 10 - 55 Hz
Power Consumption	.36 W
Ambient Temperature Range	-40 to 70 C operating for class B, -40 to 130 C storage
Weight	10 grams approx.

ORDERING INFORMATION

Example:	PCH410	-1A	-12	S	G	-12
Model						
Contact Form	1A: 1A, 1B: 1B, 1C: 1C					
Coil Voltage						
Enclosure	S: Sealed; C: Dust Cover					
Insulation System	Nil: Class B, F: Class F					
Contact Material	Nil: AgCdO, S: AgSnO, G: AgCdO + Gold Plate					



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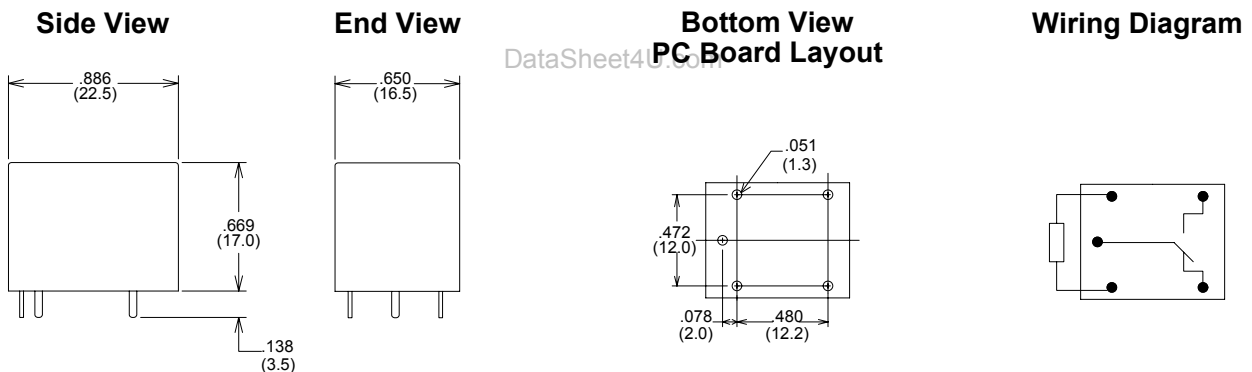
PCH410 Rev B 4-5-04

COIL DATA

Coil Voltage	Resistance ohms \pm 10%	Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)	Continuous Voltage Max. (VDC)
3	25	2.1	0.3	3.3
5	70	3.5	0.5	5.5
6	100	4.2	0.6	6.6
9	225	6.3	0.9	9.9
12	400	8.4	1.2	13.2
24	1600	16.8	2.4	26.4
48	6400	33.6	4.8	52.8

Note: Custom coil voltages within the ranges shown are available on special order.

Dimensions in Inches (millimeters)



Notes:

Contact Form C shown
On Contact Forms A & B Unused Pins are Omitted
Tolerances \pm .010 unless otherwise noted

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