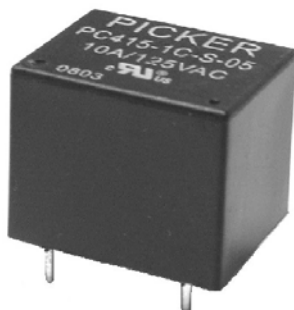


10 Amp Subminiature PCB Power Relay

PC415



FEATURES

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



File # E86876

UL/CSA RATINGS

Load Type	All Forms All Contacts
Resistive	10 Amps @ 120 VAC & 28 VDC, 7 Amps @ 240 VAC, 5 amps @ 277 VAC, 20 Amps @ 14 VDC
General Purpose	10 Amps @ 120 VAC & 28 VDC, 7 Amps @ 240 VAC, 5 amps @ 277 VAC, 20 Amps @ 14 VDC
Motor	1/3 HP at 125 VAC / 277 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

CHARACTERISTICS

Operate Time	Less Than 10 ms
Release Time	Less Than 5 ms
Insulation Resistance	1,000 megohms min, at 500VDC, 50%RH
Dielectric Strength	1500 Vrms, 1 min. between coil and contacts 750 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	-55 to 85 C operating for class B, -55 to 130 C storage
Weight	9.5 grams approx.

ORDERING INFORMATION

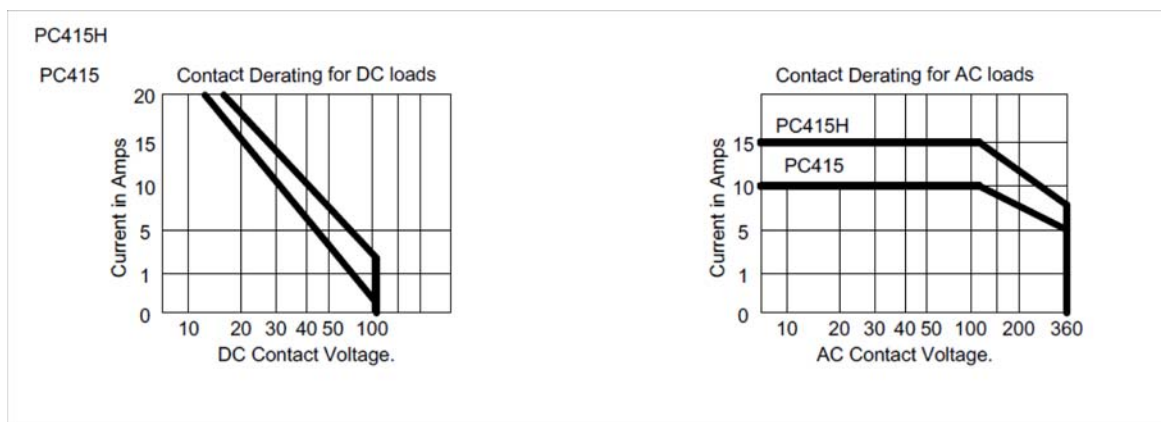
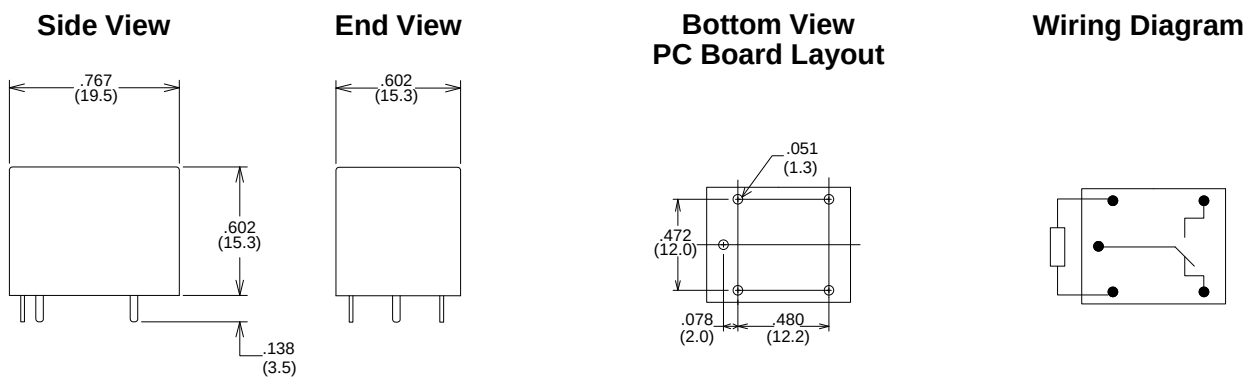
Example:	PC415	-1A	-12	H	S	F	G	-X
Model								
Contact Form								
1A: 1A, 1B: 1B, 1C: 1C								
Coil Voltage								
Coil Sensitivity								
Nil: 360mW, B: 450 mW, L: 800mW								
Enclosure								
S: Sealed; C: Dust Cover								
Insulation System								
Nil: Class B, F: Class F								
Contact Material								
Nil: AgCdO, T: AgSnO, G: AgCdO + Gold Plate								
RoHS Compliant								
Nil: Not RoHS, -X: RoHS Compliant								

COIL DATA

Coil Voltage	Resistance ohms $\pm 10\%$			Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)	Continuous Voltage Max. (VDC)
	360 mW	450 mW	800 mW			
3	25	20	11	2.1	0.3	3.9
5	70	55.6	31	3.5	0.5	6.5
6	100	80	45	4.2	0.6	7.8
9	225	180	101	6.3	0.9	11.7
12	400	320	180	8.4	1.2	15.6
24	1600	1280	720	16.8	2.4	31.2
48	6400	5120	2880	33.6	4.8	62.4

Caution: 1. The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.
 2. Pickup and release voltage are for test purposes only and are not to be used as design criteria.

Dimensions in Inches (millimeters)



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

PICKER
 COMPONENTS

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