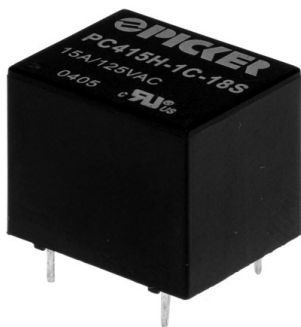


15 Amp Subminiature PCB Power Relay

PC415H



FEATURES

- 15 Amp Continuous Contact Capacity
- 1 Form A, 1 Form B and 1 Form C Contact Forms
- Most Popular Package and Footprint
- Class "B" Insulation Standard
- Class "F" Insulation Available
- Sealed, Immersion Cleanable
- RoHS Compliant

C **US E93379**

Load Type	All Forms, All Contacts
Resistive	15 Amps @ 125 VAC & 28 VDC 10 Amps @ 250 VAC 6 Amps @ 277 VAC 20 Amps @ 16 VDC
General Purpose	15 Amps @ 120 VAC & 28 VDC 10 Amps @ 250 VAC 6 Amps @ 277 VAC 20 Amps @ 16 VDC
Motor	1/3 HP @ 125 VAC / 277 VAC

CONTACT DATA

Max. Switching Power	420 W, 2500 VA	
Max. Switching Voltage	110 VDC, 380 VAC	
Max. Switching Current	20 A	
Material	AgCdO, AgSnO ₂ , AgDcO + Gold Plate	
Initial Contact Resistance	100 mΩ max. @ 0.1 A, 6 VDC	
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 MΩ min., at 500 VDC, 50% RH
Dielectric Strength	1500 Vrms, 1 min. between coil and contacts
	750 Vrms, 1 min. between open contacts
Shock Resistance	10 g, 11 ms, functional; 100 g, destructive
Power Consumption	.36 W

CHARACTERISTICS CONTINUED

Vibration Resistance	DA 1.5 mm, 10 - 55 Hz
Terminal Strength	5N
Solderability	235 °C for 3 seconds
Operating Temperature	-55 to 85 °C
Relative Humidity	93% (at 40°C)
Weight	9.5 grams

ORDERING INFORMATION

Example:	PC415H	-1A	-12	S	F	T	-X
Model:	PC415H						
Contact Form:	1A, 1B, 1C						
Coil Voltage:	3, 5, 6, 9, 12, 24, 48						
Enclosure:	S: Sealed; C: Dust Cover						
Insulation System:	Nil: Class B, F: Class F						
Contact Material:	Nil: AgCdO, T: AgSnO₂, G: AgCdO + Gold Plate						
RoHS Compliant:	-X						

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

COIL DATA

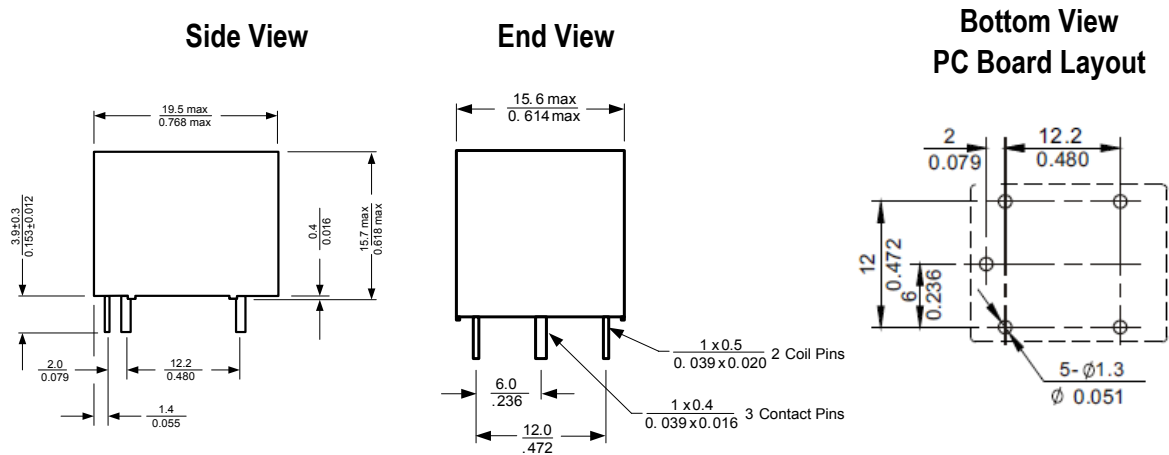
Coil Voltage (VDC)		Resistance ohms ± 10%	Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)	Coil Power (W)
Rated	Max				
3	3.9	25	2.1	0.3	.36
5	6.5	70	3.5	0.5	
6	7.8	100	4.2	0.6	
9	11.7	225	6.3	0.9	
12	15.6	400	8.40	1.2	
24	31.2	1600	16.8	2.4	
48	62.4	6400	33.60	4.8	

NOTES:

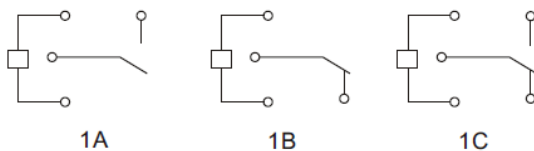
The use of any coil voltage less than the rated voltage will compromise the operation of the relays. Must Operate Voltage is listed for test purposes only and is not to be used as design criteria. Pickup and release voltages are for test purposes only and are not to be used as design criteria.

Dimensions are in mm, Inches are listed for reference only.

DIMENSIONS (mm/inches)



Wiring Diagram



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

