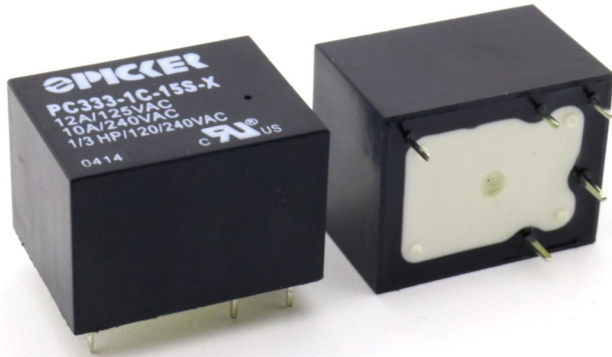


12 Amp Subminiature PCB Power Relay

PC333



Features

- 12 Amp Continuous Contact Capacity
- 1 Form A, 1 Form C Contact Forms
- 2.5 KV Dielectric Strength Between Coil and Contacts
- 4 KV Dielectric HD Version
- Sensitive Coil Available
- Meets UL 873 Spacing
- Sealed, Immersion Cleanable
- Lead Free & RoHS Compliant

UL / CUL Ratings



Load Type	All Forms All Contacts
General Purpose	12A @ 125 VAC/28 VDC, 6A @ 300 VAC
Resistive	10A @ 240 VAC
Inductive	1/3 HP @ 120/240 VAC

CONTACT DATA

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

CHARACTERISTICS

Operate Time	8 ms. Max
Release Time	4 ms. Max
Insulation Resistance	1,000 MΩ min. @ 500 VDC, 50% RH
Dielectric Strength	2,500 Vrms, 1 min. between Coil and Contacts 4,000 Vrms, 1 min. Between Coil and Contacts 1,000 Vrms, 1 min. between open Contacts
Shock Resistance	10 g, 11ms, functional; 100g, destructive

CHARACTERISTICS CONT.

Vibration Resistance	DA 1.5 mm, 10 - 55 Hz
Solderability	255° C ± 2°C, 3 s ± 0.5 s
Power Consumption	.45 W Standard Coil, .36 W Sensitive Coil
Ambient Temperature Range	-40° to 85° C, -40° to 130° C Storage
Weight	11 grams approx.

ORDERING INFORMATION

Example:	PC333	-1C	-12	S	F	-H	-X
Model:	PC333, PC333HD*						
Contact Form:	1A, 1C						
Coil Voltage:	3, 5, 6, 9, 12, 15, 18, 24, 48						
Enclosure:	S: Sealed; C: Flux Free						
Insulation System:	Nil: Class B (125° C), F: Class F (155° C)						
Coil Sensitivity:	Nil: Standard .45 W, H: Sensitive .36 W						
RoHS Compliant:	-X						

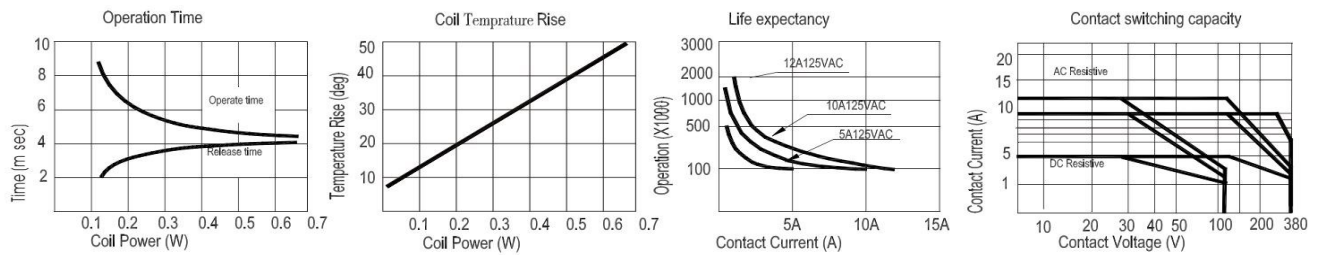
*HD= (high dielectric)

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

COIL DATA

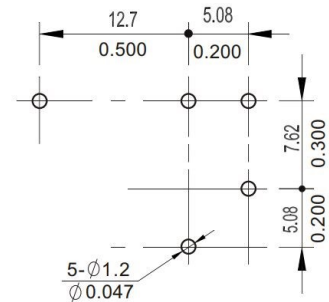
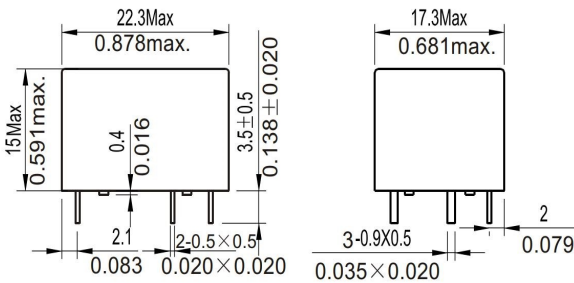
Coil Voltage	Resistance Ohms $\pm 10\%$		Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)
	Standard Coil	Sensitive Coil		
3	20	25	2.3	0.3
5	56	69	3.8	0.5
6	80	100	4.5	0.6
9	180	225	6.8	0.9
12	320	400	9.0	1.2
15	500	-	11.3	1.5
18	720	900	13.5	1.8
24	1280	1800	18.0	2.4
48	3800	-	36.0	4.8

Reference Data



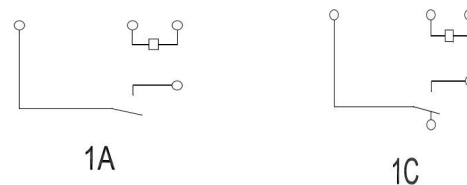
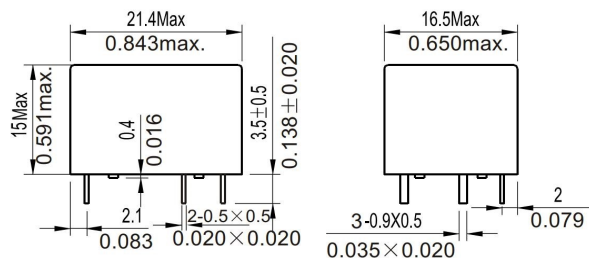
Dimensions In Inches (millimeters)

PC333



Mounting (Bottom view)

PC333HD



Wiring Diagram