

# 12 Amp Subminiature PCB Telecom Relay



**PC333** 









- Sensitive Coil Available
- Meets UL873 Spacing



## **UL / CUL Ratings**

(	Cont	tact Form	1 Form A SPST NO 1 Form C SPDT				
F	Rate	ed Load	Voltage	Amps			
-		Resistive, 6K cycles, 40°C	28VDC	6A			
	10A Contact	Resistive, 6K cycles, 40°C	300VAC	6A			
		Resistive, 6K cycles, 40°C	240VAC	10A			
		General Purpose, 6K cycles, 40°C	28VDC	10A			
		General Purpose, 6K cycles, 40°C	125VAC	10A			
	tact	General Purpose, 6K cycles, 40°C	28VDC	12A			
	12A Conotact	General Purpose, 6K cycles, 40°C	125VAC	12A			
	12A	Motor Load, 6K cycles, 40°C	1/3hp, 120/240VAC				

#### **CONTACT DATA**

Maximum Switching Pov	wer	2400VA, 336W		
Maximum Switching Vol	tage	300VAC, 48VDC		
Maximum Switching Cui	rrent	12A		
Material		AgSnO <sub>2</sub>		
Initial Contact Resistance	е	50 mΩ max.		
Service Life	Mechanical	1 x 10 <sup>7</sup> operations		
	Electrical	1 x 10 <sup>5</sup> operations		

#### **CHARACTERISTICS**

Insulation Resistance	100MΩ min. at 500VDC		
Dielectric Strength	4000V rms, between coil & contacts (H)		
	2500V rms, between coil & contacts		
	1000V rms, between contact		
Power Consumption	.36W, .45W		
Terminal Strength	10N		
Solderability	260°C 5s ± 0.5s		
Operating Temperature	-40°C to 85°C Class B		
	-55°C to 125°C Class F		
Storage Temperature	-40°C to 130°C Class B		
	-55°C to 155°C Class F		
Shock Resistance	100m/s² for 11 ms functional		
Vibration Resistance	1.5m double amplitude 10 Hz ~ 40 Hz		
Weight	11g		

Values can change due to the switching frequency, desired reliability levels, environmental conditions, and in-rush current levels. It is recommended to test to actual load conditions for the application. It is the users responsibility to determine the performance suitability for their specific application. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

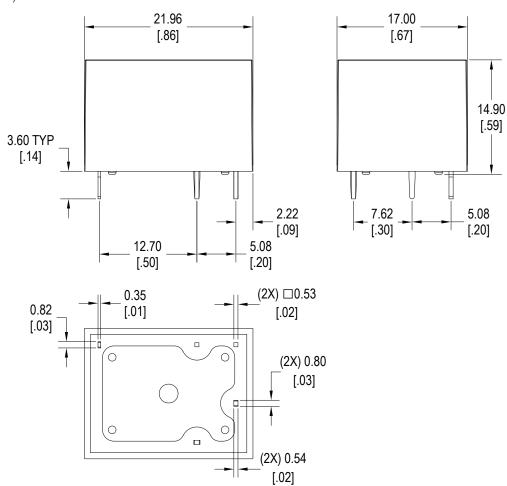
## **ORDERING INFORMATION**

Example	PC333	-1C	-12	S	F	-X	Н	
Model:	PC333							
Contact Form	1A 1C							
Coil Voltage	5 = 5VDC 6 = 6VDC 9 = 9VDC 12 = 12VDC 15 = 15VDC 18 = 18VDC 24 = 24VDC 48 = 48VDC							
Enclosure	S = Sealed C = Flux Free							
Insulation System	Nil = Class B (125°C) F = Class F (155°C)							
RoHS Compliant	X = RoHS Compliant							
Coil Sensitivity	Nil = .45W, standard H = .36W, sensitive						-	
Contact Options	Nil = 12A Contacts 10A = 10A Contacts							-

# **COIL DATA - Single Coil**

Coil Voltage		Resistance (Ohms ± 10%)		Pick Up Voltage Max. VDC	Release Voltage Min. VDC	Coil Power W	Operate Time ms	Release Time ms
Rated	Max	.36W	.45W					
5	6.5	70	56	3.75	.5			
6	9.0	100	80	4.50	.6			
9	11.7	225	180	6.75	.9			4
12	15.6	400	320	9.00	1.2	.36	7	
15	19.5	625	500	11.25	1.5	.45	/	
18	23.4	900	720	13.5	1.8			
24	31.2	1600	1280	18.00	2.4			
48	62.4	6400	5120	36.00	4.8			

# **DIMENSIONS** Inches (mm)



### **SCHEMATICS & PC LAYOUT** Bottom Views

