

Subminiature PCB Telecom Relay

PC312



FEATURES

- Subminiature design
- PC Terminals on .1 in. grid pattern
- Contact capacity from 1 mA to 5A
- Meets FCC part 68 voltage surge
- Class "B" insulation standard
- Three coil sensitivities available
- Sealed, immersion cleanable
- Lead Free & RoHS Compliant



File # E86876

UL/CSA RATINGS

Contact Form	1 Form C SPDT
Rated Load	3A @ 125VAC / 30 VDC
Rated Load (Special)	5A @ 120VAC / 30VDC
Max. Switching Current	3 Amps
Max. Switching Current (S)	5 Amps
Minimum Load (Gold Plated)	1 mA @ 1 VDC

CONTACT DATA

Material	AgNi	
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	5 ms. Max.
Release Time	5 ms. Max.
Insulation Resistance	100 megohms min, at 500VDC, 50%RH
Dielectric Strength	1250 Vrms, 1 min. between coil and contacts 500 Vrms, 1 min. between open contacts: 750 Vrms, 1 min for S version
Surge Resistance	1500 V, between coil and contacts (FCC Part 68)
Shock Resistance	10 g, 11ms, functional; 100 g, destructive
Vibration Resistance	DA 1.5 mm, 10 - 55 Hz
Power Consumption	0.45 W, 0.36 W or 0.2 W
Ambient Temperature Range	-25 to 70 C operating, -30 to 130 storage
Weight	3.5 grams approx.

ORDERING INFORMATION

Example:	PC312	-12	H	S	-X
Model:	PC312				
Coil Voltage:	3, 5, 6, 9, 12, 18, 24				
Coil Sensitivity:	Nil: 0.36 W; B: 0.45 W; H: 0.2 W				
Current Rating:	Nil: Standard, 3 Amp; S: Special 5 Amp				
RoHS Compliant:	-X				

Box Quantity: 4,000; Inner Box: 1,000

COIL DATA

Coil Voltage	Resistance ohms \pm 10%			Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)
	Sensitivity Code B 0.45 W	Standard Sensitivity 0.36 W	Sensitivity Code H 0.2 W		
3	20	25	45	2.25	0.3
5	56	70	120	3.75	0.5
6	80	100	180	4.50	0.6
9	180	220	440	6.75	0.9
12	320	400	700	9.00	1.2
18	720	900	1620	13.5	1.8
24	1280	1600	2800	18.00	2.4

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

Dimensions in Inches (millimeters)

Drawings are 2X actual size

Side View

End View

**Bottom View
PC Board Layout**

Wiring Diagram

