

Minature 12 & 20 Amp General Purpose Relay PC834



FEATURES

- 12 Amp continuous contact capacity
- 1 Form A contact form
- Smallest 12 Amp relay
- Class "B" insulation standard
- Class "F" insulation available
- 2.5 Kv dielectric between coil and contacts
- Sealed, immersion cleanable
- Lead Free & RoHS Compliant



Load Type	Voltage	1 Form A
General Purpose	277 VAC	10 A
	125VAC	12 A
	30 VDC	10 A
Resistive	277 VAC	10 A
	125VAC	12 A
	30 VDC	10 A
TV-5	125 VDC	5 A

CONTACT DATA

Material	AgCdO (Silver Cadmium Oxide)	
Initial Contact Resistance	50 milliohms max @ 0.1 A, 6 VDC	
Service Life	Mechanical	1 X 10 ⁷ Operations
	Electrical	1 X 10 ⁵ Operations

CHARACTERISTICS

Operate Time	25 ms Max
Release Time	25 ms Max
Insulation Resistance	100 MΩ min (at 500 VDC)
Dielectric Strength	1,000 V5 Between Contacts
	2,500 V 50 Hz Between Contact and Coil
Vibration Resistance	10 Hz - 55 Hz DA 1.5 mm
Power Consumption	1 & 2 Pole DC 0.9 W, AC 1.2 VA

Terminal Strength	5N
Solderability	260°C for 5 seconds
Storage Temperature	-40°C to 125°C Class B, -40°C to 155°C Class B
Operating Temperature	-40°C to 70°C Class B, -40°C to 105°C Class B
Relative Humidity	85% (at 30°C)
Weight	7 grams

ORDERING INFORMATION

Example:	PC834	-1A	-12	S	F	-X
Model:	PC834					
Contact Form:	1A					
Coil Voltage:	3, 5, 6, 9, 12, 18, 24					
Enclosure:	S: Sealed Case; C: Flux Free					
Insulation System:	Nil: Class B (125 degrees C), F: Class F (155 degrees C)					
RoHS Compliant:	-X					

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)	Continuous Voltage Max. (VDC)
3	20	2.25	0.15	3.9
5	56	3.75	0.25	6.5
6	80	4.5	0.30	7.8
9	180	6.75	0.45	11.7
12	320	9.0	0.60	15.6
18	720	13.5	0.90	23.4
24	1280	18.0	1.20	31.2

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

**Dimensions in Inches (millimeters)
Drawings are 2X actual size**

