Minature 12 & 20 Amp General Purpose Relay PC834



FEATURES

- 12 Amp continous 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

c UL us E86876

Load Type	Voltage	1 Form A
General Porpose	277 VAC 125VAC 30 VDC	10 A 12 A 10 A
Resistive	277 VAC 125VAC 30 VDC	10 A 12 A 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 Strenght	5N
Solderability	235 ºC ± 2°C 3 s ± 0.5 s
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

3220 Commander Drive, Suite 102 Carrollton, TX 75006 www.PickerComponents.com
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Dimensions are listed for reference purposes only. Specifications and Availability subject to change without notice.

COIL DATA

Coil Voltage	Resistance ohms ± 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

