Ultra Slim 5 Amp Relay — PC563

FEATURES

- Handles from signal level to 5 amps
- 1 Form A contact form
- Ultra Slim, 7.2 MM package
- 200 milliwatt sensitive coil
- 4 Kv dielectric between coil and contacts
- 7 Kv surge voltage
- Sealed, immersion cleanable

c UL us File # E86876

UL/CSA RATINGS

Load Type	All Forms All Contacts
General Use	5A at 30VDC / 250VAC
Resistive	5A at 30VDC / 250VAC
Minimum Load	10 mA at 5 VDC

CONTACT DATA

Material		AgCdO (Silver Cadmium Oxide) AgCdO+Au (Silver Cad Oxide Gold Clad)
Initial Contact Resistance		100 milliohms max @ 0.1A, 6VDC
Service Life	Mechanical	1 X 10^7 Operations
	Electrical	1 X 10^5 Operations

CHARACTERISTICS

Operate Time	10 ms. Max.
Release Time	4 ms. Max.
Insulation Resistance	1000 megohms min, at 500VDC, 50%RH
Dielectric Strength	4000 Vrms, 1 min. between coil and contacts 750 Vrms, 1 min. between open contacts
Shock Resistance	10 g, 11ms, functional; 100 g, destructive
Vibration Resistance	DA 2.5 mm, 10 - 55 Hz
Power Consumption	0.2W
Ambient Temperature Range	-30 to 70 C operating for class B, -40 to 130 C storage
Weight	4 grams approx.

ORDERING INFORMATION

Example:	PC563	-1A	-12	S

- Model
- Contact Form
  1A
- Coil Voltage
- Enclosure
  S: Sealed; C: Flux Free

3220 Commander Drive, Suite 102, Carrollton, Texas 75006
Sales: Call Toll Free (888)997-3933 Fax (818) 342-5296 email: pickerwest@sbcglobal.net URL: pickercomponents.com

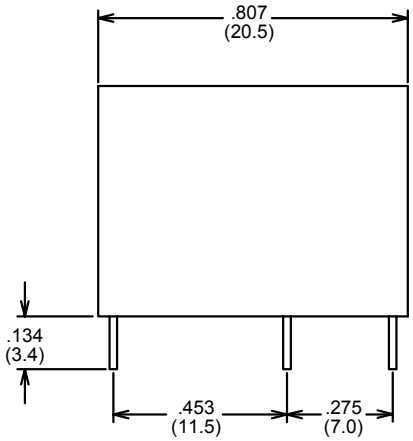
COIL DATA

Coil Voltage	Resistance ohms ± 10%	Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)	Continuous Voltage Max. (VDC)
3	45	2.25	0.3	3.3
5	125	3.75	0.5	5.5
6	180	4.5	0.6	6.6
9	405	6.75	0.9	9.9
12	720	9.00	1.2	13.2
18	1620	13.5	1.8	19.8
24	2880	18.0	2.4	26.4

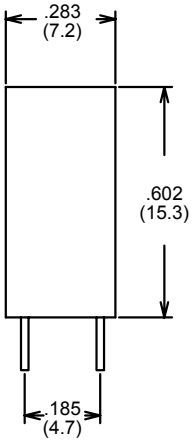
Note: Custom coil voltages within the ranges shown are available on special order.

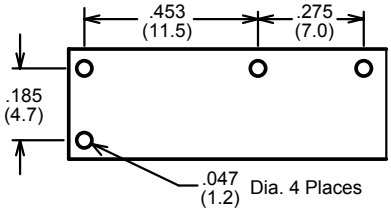
Dimensions in Inches (millimeters)
Drawings are 2X actual size

Side View

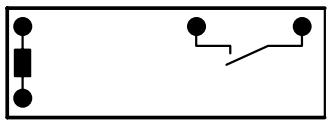


End View





Hole Pattern



Wiring Diagram

Notes:

Tolerances ± .010 unless otherwise noted
Relays previously tested or used above 10mA at 6VDC or higher
are not recommended for subsequent use in low level applications

PICKER COMPONENTS

3220 Commander Drive, Suite 102, Carrollton, Texas 75006

Sales: Call Toll Free (888) 997-3933 Fax (818) 342-5296 email: pickerwest@sbcglobal.net URL: pickercomponents.com