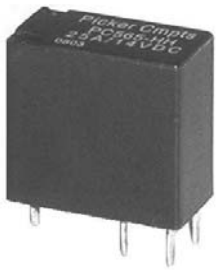
Ultraminiature Automotive PCB Power Relay **PC565**



FEATURES

- Ultraminiature design very light weight
- Sensitive Coil (low pull in voltage) available
- Contact switching capacity up to 30 Amps
- Sealed, immersion cleanable
- Up to105 degrees C operating temperature
- Lead Free & RoHS Compliant

CONTACT RATINGS

Contact Form	**1 Form A or 1 Form C SPST NO or SPDT**
Max Switching Current	30 Amps
Motor Locked Rotor	25 Amps at 14 VDC
Max. Switching Voltage	16 VDC
Max. Continuous Current	25 Amps
Max. Switching Power	480 W

CONTACT DATA

Material		AgSnO (Silver Tin Oxide)
Initial Contact Resistance		100 milliohms max @ 0.1A, 6VDC
Service Life	**Mechanical**	1 X 10^6 Operations
	Electrical	1 X 10^5 Operations

CHARACTERISTICS

Operate Time	2.5 ms. typical (no coil suppression)
Release Time	1.2 ms. typical (no coil suppression)
Insulation Resistance	100 megohms min, at 500VDC, 50%RH
Dielectric Strength	1000 Vrms, 1 min. between coil and contacts
Shock Resistance	30 g, 6 ms, functional; 100 g, destructive
Vibration Resistance	6g, 10 - 500 Hz
Drop Resistance	1 Meter height drop on concrete
Power Consumption	0.64 W and 0.80 W
Ambient Temperature Range	-40 to 105 degrees C operating, -40 to 155 degrees C storage
Weight	4.1 grams approx.

ORDERING INFORMATION

Example:	PC565	-1C	-12	H	-X

Model

Contact Form
1A or 1C

Coil Voltage

Coil Power
Nil: 0.64 W; H: Sensitive 0.80 W

RoHS Compliant
Nil: Not Rohs, -X: RoHS Compliant

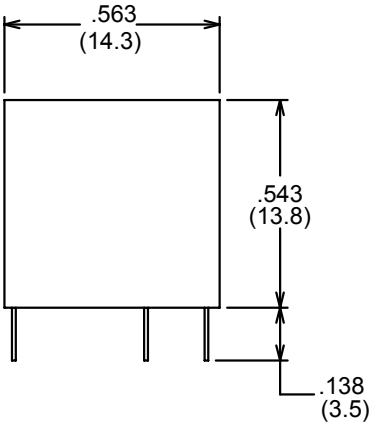
3220 Commander Drive, Suite 102, Carrollton, Texas 75006
Sales: (888)997-3933 Fax: (818) 342-5296 email: sales@pickercomponents.com URL: pickercomponents.com

COIL DATA

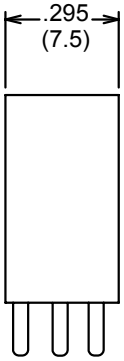
Coil Voltage	Resistance ohms ± 10%	Must Operate Voltage Max. (VDC)	Must Release Voltage Min. (VDC)	Coil Power Consumption (W)
12	225	7.2	1.0	0.64
12 (H)	180	6.5	1.0	0.80

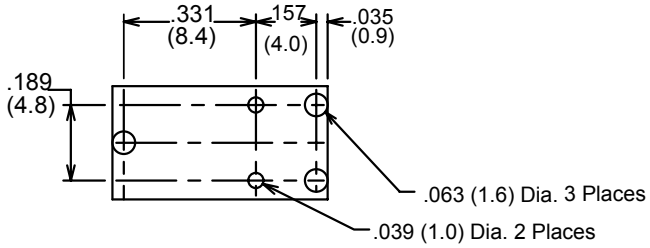
Dimensions in Inches (millimeters)
Drawings are 2X actual size

Side View

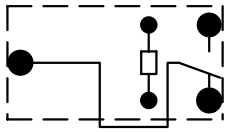


End View





Bottom View
PC Board Layout



Bottom View
Wiring Diagram

Notes:
Contact Form C shown
On Contact Form A Unused Pin is Omitted
Tolerances ± .010 unless otherwise noted

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