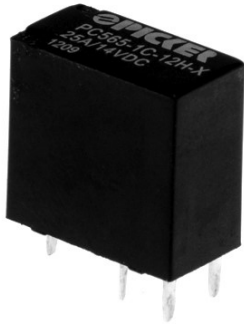


# Ultraminiature Automotive PCB Power Relay PC565



### FEATURES

- Ultraminiature Design
- Sensitive Coil (Low Pull In Voltage) Available
- Contact Switching Capacity up to 30 Amps
- UL Class F Insulation Available
- Sealed, Immersion Cleanable
- RoHS Compliant
- Available as a Dual see PC567

### CONTACT RATINGS 14 VDC

Contact Form	1 Form C (DPDT)
Max Switching Current	30 A
Max Switching Power	480 Watts
Max Switching Voltage	16 VDC
Max Continuous Current	25 A
Motor Locked Rotor	25 A at 14 VDC

### CONTACT DATA

Material	AgSnO <sub>2</sub>	
Service Life	Electrical	1 x 10 <sup>5</sup> Operations
	Mechanical	1 x 10 <sup>6</sup> Operations

### CHARACTERISTICS

Operate Time	10 ms Max
Release Time	5 ms Max
Insulation Resistance	100 MΩ min at 500VDC,
Dielectric Strength	500 V 50 Hz between contacts
	1,000 V 50 Hz between coil and contacts
Shock Resistance	98 m/s <sup>2</sup> 11 ms
Vibration Resistance	10 Hz - 500 Hz; Acceleration: 43.1 m/s <sup>2</sup>
Terminal Strength	5 N
Operating Temperature	-40 to 85°C Standard
Operating Temperature	-40 to 105°C Class F
Relative Humidity	85% (40°C)
Weight	4.1 g
Power Consumption	800 mW

### ORDERING INFORMATION

Example:	PC565	-1C	-12	H	-X
Model:	PC565				
Contact Form:	1C				
Coil Voltage:	12				
Coil Power:	H: 800 mW				
Insulation System:	Nil: -40° C to +85° C; F: -40° C to +105° C*				
RoHS Compliant:	-X				

Box Quantity: 200; 40 Per Tube

\*White cover and suited for reflow soldering.

**COIL DATA**

Coil Voltage (VDC)		Resistance (Ohms ± 10%)	Must Operate Voltage Max (VDC)	Must Release Voltage Min. (VDC)	Coil Power (mW)
Rated	Max				
12	16	384	6.5	1.0	800

**NOTES:**

The use of any coil voltage less than the rated voltage will compromise the operation of the relays.  
 Must Operate Voltage and Release voltages are for test purposes only and are not to be used as design criteria.

**DIMENSIONS inches/(mm)**

