

Ultraminiature Automotive PCB Twin Power Relay

PC636



FEATURES

- Subminiature twin relay
- 2 X 1 C contact form
- Contact switching capacity up to 30 Amps
- Sealed, immersion cleanable
- 105 degrees C operating temperature
- Coils can be used together or independently
- Uniquely designed for motor reversing

CONTACT RATINGS

Contact Form	2 Times 1 Form C 2 X SPDT
Max Switching Current	30 Amps
Max. Switching Voltage	16 VDC
Max. Continuous Current	20 Amps @ 16 VDC
Max. Carry Current	30 Amps at 20 degerss C for 15 minutes
Minimum Load	0.5 Amps @ 12 VDC

CONTACT DATA

Material	AgSnO (Silver Tin Oxide) AgSnOInO (Silver Tin Oxide Indium Oxide)	
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	5 ms Max
Insulation Resistance	1000 megohms min, at 500VDC, 50%RH
Dielectric Strength	1500 Vrms, 1 min. between coil and contacts
Shock Resistance	10 g, 11 ms, functional; 100 g, destructive
Vibration Resistance	DA 1.5 mm, 10 - 55 Hz
Drop Resistance	1 Meter height drop on concrete
Power Consumption	0.69 W
Ambient Temperature Range	-40 to 105 degrees C operating, -40 to 155 storage
Weight	5.9 g (approx)

ORDERING INFORMATION

Example:	PC636	-2C	-12	S	-X
Model:	PC636				
Contact Form:	2C or 2U				
Coil Voltage:	12				
Enclosure:	C: Dust Cover, S: Sealed Case S1: Flux Tight ⁽¹⁾				
RoHS Compliant:	-X				

(1) Flux Tight relays are constructed such that Flux will not enter the relay in an automated soldering process, they are NOT Suitable for water wash cleaning.

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)
12	225	6.8	1.2	14.4

Note: Custom coil voltages are available on special order.

**Dimensions in Inches (millimeters)
2X Scale**

