

FEATURES

- Subminiature Design
- 16 Pin DIL Package for PC Board
- Contact Currents up to 6A
- Contact Voltage up to 48VDC
- Contact Voltage up to 125VAC
- Contact Life up to 10⁷ operations
- Contact Life up to 10⁵ operations



PRODUCT OBSOLESCENCE NOTIFICATION

This product has been discontinued.

Please see

CIT Relay & Switch

J105D, J097 or J100 Series for a direct cross.

UL / CUL Ratings

Contact Form	2 Form C, DPDT (Crossbar Contacts)	
Rated Load	Voltage	Amps
Resistive, 6K cycles, 40°C	30VDC	3A
NO, Resistive, 6K cycles, 40°C	30VDC	3A
Resistive, 6K cycles, 40°C	125VAC	.6A

CHARACTERISTICS

Insulation Resistance	100MΩ min. at 500 VDC
Dielectric Strength	1000V rms, between contacts
Surge Withstand Voltage	1500V, between open contacts
FCC part 68	1500V between contact poles
	1500V between coil & contacts
Power Consumption	.40W, .55W
Terminal Strength	5N
Solderability	260°C 5 s ± 0.5 s
Operating Temperature	-40°C to 85°C
Storage Temperature	-40°C to 155°C
Shock Resistance	100 m/s ² 11 ms
Vibration Resistance	10-40 Hz double amplitude 1.5 mm
Weight	4.5g

CONTACT DATA

Maximum Switching Power	60W, 75VA
Maximum Switching Voltage	48VDC, 250VAC
Maximum Switching Current	3A
Material	AgNi+Au (Clad)
Initial Contact Resistance	50 mΩ max.
Service Life	Mechanical 1 x 10 ⁷ operations
	Electrical 1 x 10 ⁵ operations

ORDERING INFORMATION

Example Model:	PC837S
Coil Voltage	12 - 12VDC 24 = 24VDC 48 = 48VDC
Contact Material:	Nil = AgNi + Au
Coil Sensitivity:	A = .55W B = .40W
RoHS Compliant:	X = RoHS Compliant

Values can change due to the switching frequency, desired reliability levels, environmental conditions, and in-rush current levels. It is recommended to test to actual load conditions for the application. It is the users responsibility to determine the performance suitability for their specific application. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.