

# Miniature 4 Pole 5 Amp General Purpose Relay

**PC118**



## FEATURES

- 4 pole and 2 pole contact form
- 5 to 7 amp switching capacity
- AC and DC coils available
- Available as Plug in or with PC pins
- Available with gold plated contacts
- Available with bipolar LED indicator light
- Available with top mounting flange
- Now available with Push TO Test Button
- **Compatible with SC118 Series Sockets**
- **RoHS Compliant**



File # E86876

## CONTACT DATA

Load Type	Voltage	2 Form C (DPDT)	4 Form C (4PDT)
General Purpose	120 VAC	7 A	5 A
	240 VAC	7 A	5 A
	30 VDC	7 A	5 A
Resistive	120 VAC	7 A	5 A
	240 VAC	7 A	5 A
	30 VDC	7 A	5 A
Max. Switching Power		1540 VA 210 W	1100 VA 150 W

<b>Material</b>	AgCdO (Silver Cadmium Oxide)	
<b>Initial Contact Resistance</b>	50 milliohms max @ 1A, 6VDC	
<b>Service Life</b>	<b>Mechanical</b>	2 X 10 <sup>7</sup> Operations
	<b>Electrical</b>	1 X 10 <sup>5</sup> Operations

## CHARACTERISTICS

<b>Operate Time</b>	25 ms. Max.
<b>Release Time</b>	25 ms. Max.
<b>Insulation Resistance</b>	1,000 megohms min, at 500VDC, 50%RH
<b>Dielectric Strength</b>	1500 Vrms, 1 min. between coil and contacts 1000 Vrms, 1 min. between open contacts 1000 Vrms, 1 min. between contact poles
<b>Shock Resistance</b>	10 g, 11ms, functional; 100 g, destructive
<b>Vibration Resistance</b>	DA 1.5mm, 10-55 Hz
<b>Power Consumption</b>	DC coil 0.9 W, AC coil 1.2 VA
<b>Ambient Temperature Range</b>	-55 to 70 C, -55 to 130 C storage
<b>Weight</b>	37 grams approx.

## ORDERING INFORMATION

Example:	PC118	-2C	-P	-C1	-120A	-LD	-X
Model:	PC118						
Contact Form:	2C, 3C, 4C						
Terminal Type:	Nil: Solder Lugs, P: PC Pins						
Case Style:	Nil: Plain Case, C1: Flange Mount Case						
Coil:	DC: 6D, 12D, 24D, 36D, 48D, 110D; AC: 6A, 12A, 24A, 36A, 48A, 110A, 220A						
Options:	Nil: None, G: Gold Plated Contacts, L: LED indicator, D: Internal Diode, M: Push to Test						
RoHS Compliant:	-X						

See SC118-2C-F2 for Available  
2 Pole Socket

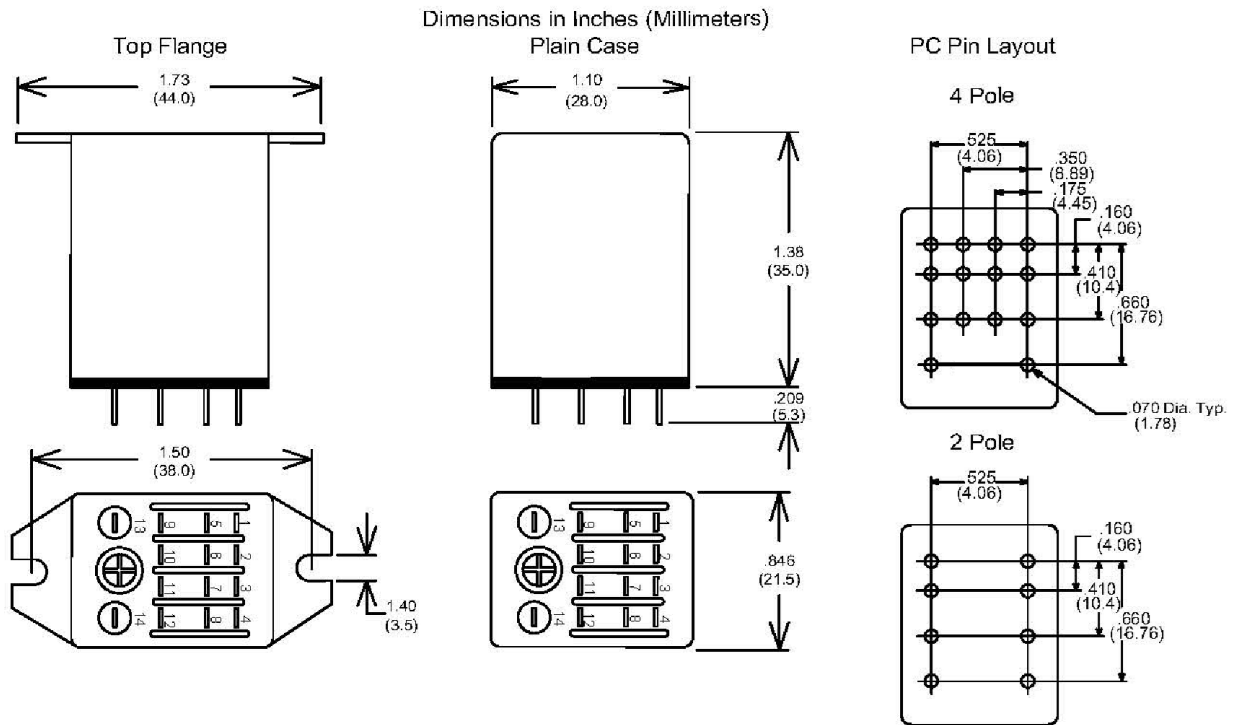
See SC118-4C-F2 for Available  
4 Pole Socket

Box Quantity: 500; Inner Quantity: 250

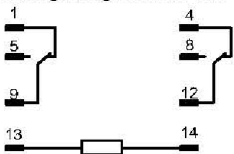
**COIL DATA**

Voltage Type	Coil Voltage	Resistance ohms $\pm 10\%$	Coil Power	Must Operate Voltage Max.	Must Release Voltage Min.
DC	5	27.5	0.9 W	4.0	0.5
	6	40		4.8	0.6
	12	160		9.6	1.2
	24	650		19.2	2.4
	48	2600		38.4	4.8
	110	11000		88.0	11.0
AC	6	11.5	1.2 VA	4.8	1.8
	12	46.0		9.6	3.6
	24	184		19.2	7.2
	48	735		38.4	14.4
	120	4550		96.0	36.0
	220 / 240	14400		176.0	66.0

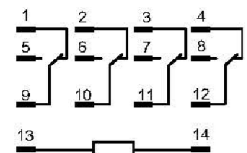
Note: Custom coil voltages within the ranges shown are available on special order.



Wiring Diagram 2 Pole



Wiring Diagram 4 Pole



Tolerances  $\pm .010$  unless otherwise noted

