

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

UL / CUL Ratings



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

Material	AgCdO (Silver Cadmuim Oxide)	
Initial Contact Resistance	50 milliohms mad @ 1A, 6VDC	
Service Life	Mechanical	2 X 10 ⁷ Operations
	Electrical	1 X 10 ⁵ Operations

CHARACTERISTICS

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

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

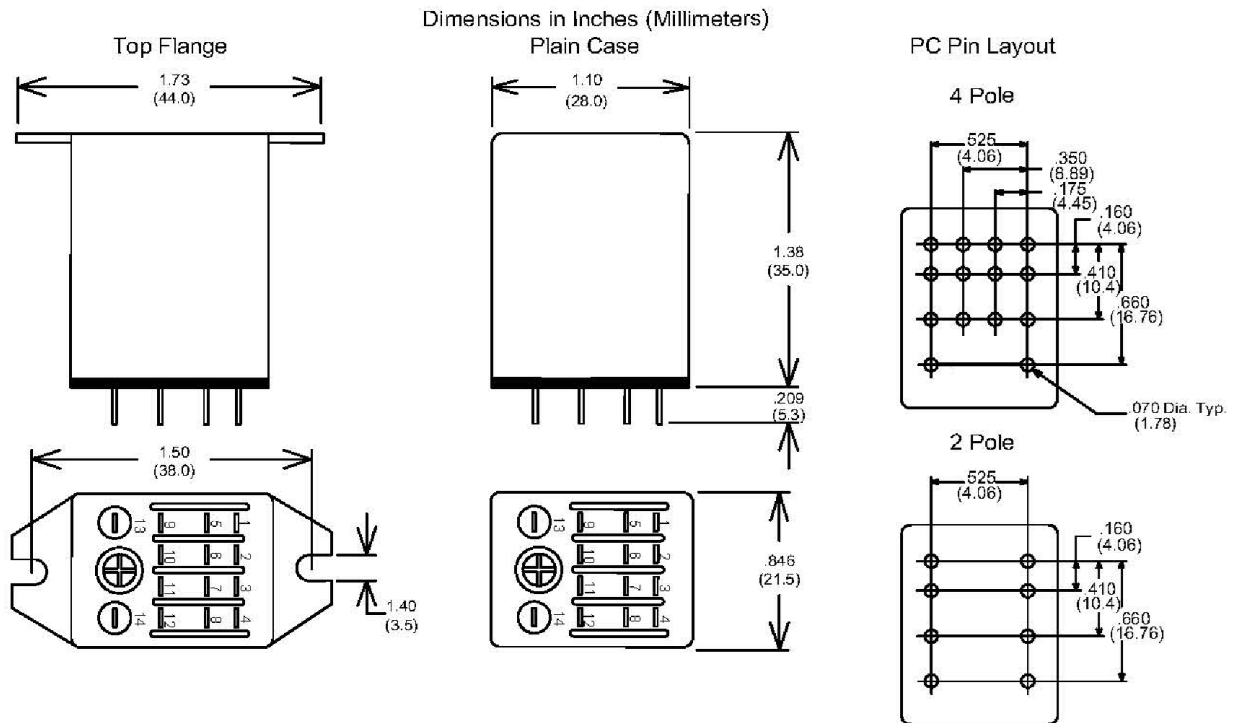
See SC118-4C- F2 for Available
4 Pole Socket

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 Diagrams

