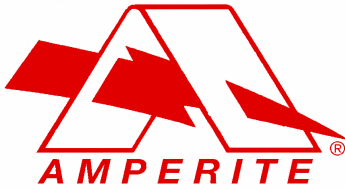


# Solving Your Relay Requirements Since 1922

Amperite Co.



(800) 752-2329  
www.Amperite.com

## PC1 - Series

## PCB Relays



**5A Switching Capabilities**

**SPSTNO Configurations**

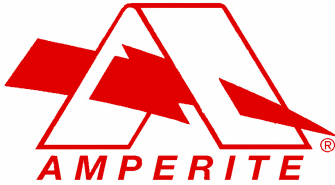
**PCB Terminals**

**Epoxy Sealed**

## SPECIFICATIONS

Contact Material	Silver Alloy		
Contact Resistance	Maximum 100 Milliohms		
Operate Time	Maximum 8 Milliseconds		
Release Time	Maximum 5 Milliseconds		
Insulation Resistance	1000 Megohm Minimum ( 500 VDC )		
Dielectric Withstanding Voltage	—		
Coil to Contact	1500 VAC ( 50 / 60 Hz ) for 1 Minute		
Between Open Contacts	750 VAC ( 50 / 60 Hz ) for 1 Minute		
Vibration Resistance	Functional	10 to 55 Hz Double Amplitude of 1.5 mm	
	Destruction	10 to 55 Hz Double Amplitude of 1.5 mm	
Shock Resistance	Functional	10 G's Minimum	
	Destruction	100 G's Minimum	
Life (Minimum Operations)	Mechanical	At 120 CPM	10,000,000
	Electrical	At 20 CPM	100,000
Ambient Temperature	-40° C to +55° C		
Operating Humidity	98% RH @ 40° C		
Unit Weight	9.5 Grams		

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### CONTACT RATINGS

Arrangement	1A
Resistive Load Cos. $\Phi$ = 1	5A 250 VAC / 28 VDC
Maximum Contact Voltage	30 VDC / 250 VAC
Maximum Contact Current	5 A

### COIL DATA (at 20 °C)

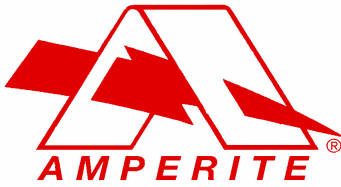
Nominal Voltage	5 / 9 VDC	12 / 24 VDC
Pick-up Voltage VDC (Max.)	3.8 / 6.8 VDC	9 / 18 VDC
Drop-out Voltage VDC (Min.)	0.3 / 0.5 VDC	0.6 / 1.2 VDC
Coil Resistance	55 / 180 $\Omega$ $\pm$ 10%	320 / 1280 $\Omega$ $\pm$ 10%
Power Consumption	0.45 / 0.45 W	0.45 / 0.45 W
Max. Allowable Voltage	130% of Nominal Voltage	

THE AMPERITE PART NUMBERING SYSTEM IS LISTED BELOW. IF YOU DO NOT SEE THE NUMBER LISTED THAT YOU NEED, PLEASE CONTACT US. WE CAN PROVIDE MOST TYPES OF RELAYS AVAILABLE TODAY.

Part Number	CONTACT ARRANGEMENT	COIL VOLTAGE	TERMINATION
PC1-1A 005D 02	1A = 1 Form A	005D = 5 VDC	02 = PCB Mount
PC1-1A 009D 02	1A = 1 Form A	009D = 9 VDC	02 = PCB Mount
PC1-1A 012D 02	1A = 1 Form A	012D = 12 VDC	02 = PCB Mount
PC1-1A 024D 02	1A = 1 Form A	024D = 24 VDC	02 = PCB Mount

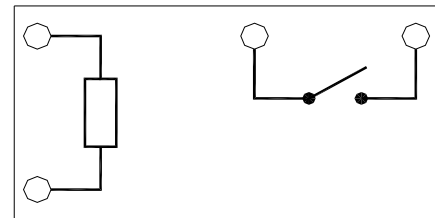
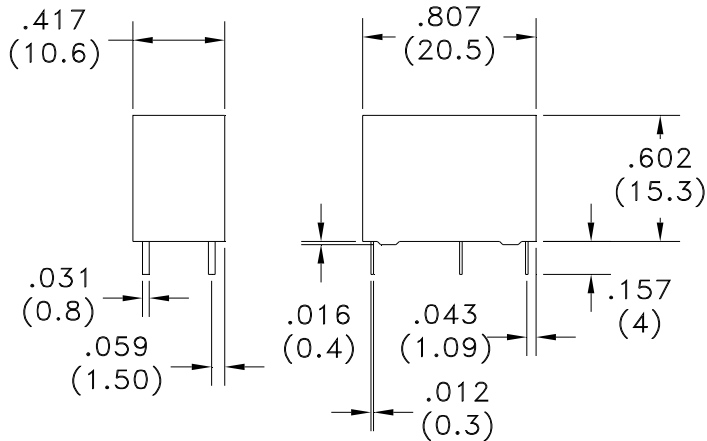
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Wiring Diagram

