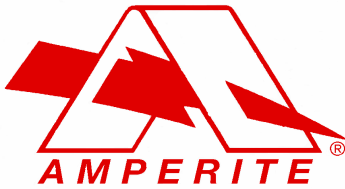


## Solving Your Relay Requirements Since 1922



Amperite Co.  
 567 52nd Street  
 P.O. Box 329  
 West New York, NJ 07093  
 (800) 752-2329  
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### SR1 - Series

### PCB Relays



#### 3A Switching Capabilities

#### SPDT Configurations

#### High Sensitivity

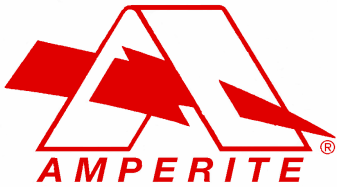
#### PCB Terminals

#### Epoxy Sealed

### SPECIFICATIONS

Contact Material	Silver Alloy		
Contact Resistance	Maximum 100 Milliohms		
Operate Time	Maximum 10 Milliseconds		
Release Time	Maximum 4 Milliseconds		
Insulation Resistance	1000 Megohm Minimum ( 500 VDC )		
Dielectric Withstanding Voltage	—		
Coil to Contact	500 VAC ( 50 / 60 Hz ) for 1 Minute		
Between Open Contacts	500 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 +70° C		
Operating Humidity	98% RH @ 40° C		
Unit Weight	3.5 Grams		

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### CONTACT RATINGS

Arrangement	1C
Resistive Load Cos. $\Phi = 1$	3A 120 VAC / 24 VDC
Maximum Contact Voltage	60 VDC / 120 VAC
Maximum Contact Current	3 A

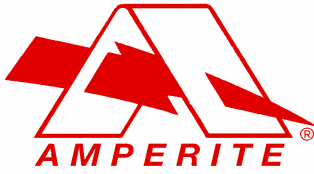
### COIL DATA (at 20°C)

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	125 / 405 $\Omega \pm 10\%$	720 / 2880 $\Omega \pm 10\%$
Power Consumption	0.20 / 0.20 W	0.20 / 0.20 W
Temperature Rise ( Nominal Voltage)	25°C	
Max. Allowable Voltage	130% of Nominal Voltage	

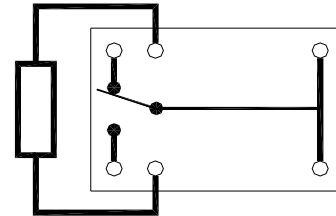
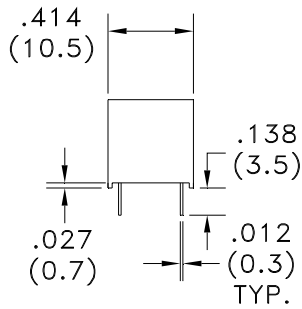
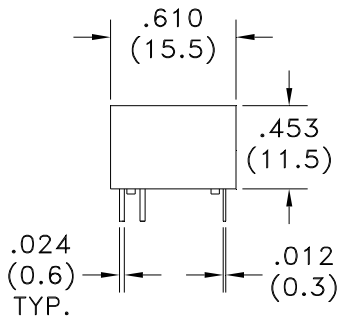
THE AMPERITE PART NUMBERING SYSTEM IS LISTED BELOW. IF YOU DO NOT  
 SEE THE NUMBER LISTED THAT YOU NEED, PLEASE CONTACT US. WE CAN  
 PROVIDE MOST TYPES OF RELAYS AVAILABLE TODAY.

Part Number	CONTACT ARRANGEMENT	COIL VOLTAGE	TERMINATION
SR1-1C 005D 02	1C = 1 Form C	005D = 5 VDC	02 = PCB Mount
SR1-1C 009D 02	1C = 1 Form C	009D = 9 VDC	02 = PCB Mount
SR1-1C 012D 02	1C = 1 Form C	012D = 12 VDC	02 = PCB Mount
SR1-1C 024D 02	1C = 1 Form C	024D = 24 VDC	02 = PCB Mount

# Solving Your Relay Requirements Since 1922

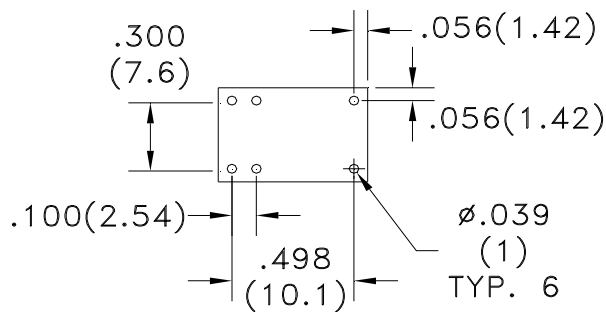


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(Bottom View)  
 Wiring Diagram

## Outline Dimensions SR1 1 Pole PCB Mount



## PCB Outline Dimensions SR1