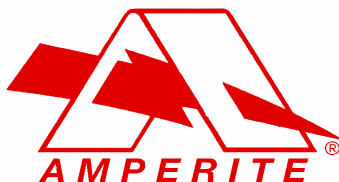


Solving Your Relay Requirements Since 1922



Amperite Co.
 567 52nd Street
 P.O. Box 329
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 (800) 752-2329
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SD1 - Series

Subminiature DIP Relay

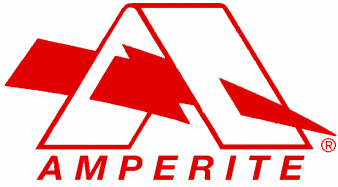


2 Form C Gold Clad Contacts
High Switching Capacity 60W / 125VA
.300 16 Pin DIP Pin Configuration
Epoxy Sealed

SPECIFICATIONS

Contact Material	Silver Alloy Gold Clad		
Contact Resistance	Maximum 50 Milliohms		
Operate Time	Maximum 6 Milliseconds		
Release Time	Maximum 4 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	1000 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 +85° C		
Operating Humidity	80 RH @ 80° C		
Unit Weight	5 Grams		

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CONTACT RATINGS

Arrangement	2C
Resistive Load Cos. $\Phi = 1$	2A 125 VAC / 30 VDC
Maximum Contact Voltage	120 VDC / 240 VAC
Maximum Contact Current	2 A

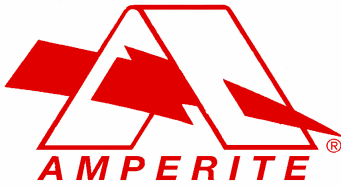
COIL DATA (at 20°C)

Nominal Voltage	6 / 12 VDC	24 / 48 VDC
Pick-up Voltage VDC (Max.)	4.5 / 9.0 VDC	18 / 36 VDC
Drop-out Voltage VDC (Min.)	0.6 / 1.2 VDC	2.4 / 4.8 VDC
Coil Resistance	180 / 720 $\Omega \pm 10\%$	2880 / 4000 $\Omega \pm 10\%$
Power Consumption	0.20 W	0.20 / 0.58 W
Temperature Rise (Nominal Voltage)	65°C	
Max. Allowable Voltage	115% of Nominal Voltage	

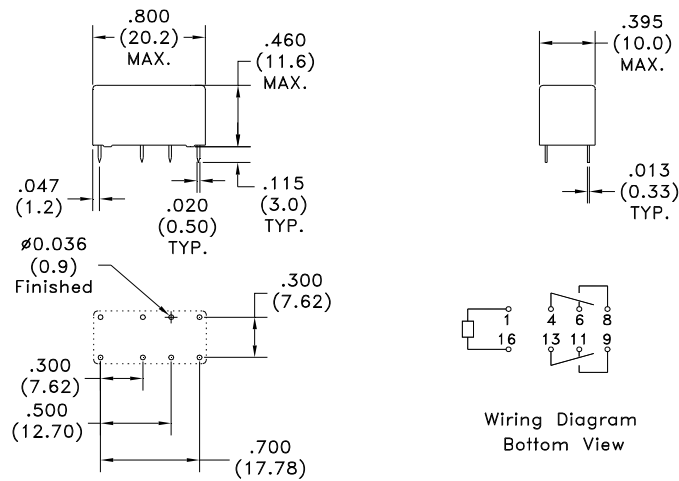
THE AMPERITE PART NUMBERING SYSTEM IS LISTED BELOW. IF YOU DO NOT
 SEE THE NUMBER LISTED THAT YOU NEED, PLEASE CONTACT US. WE CAN
 PROVIDE MOST TYPES OF RELAYS AVAILABLE TODAY.

Part Number	CONTACT ARRANGEMENT	COIL VOLTAGE	TERMINATION
SD1-2C 006D 02	2C = 2 Form C	006D = 6 VDC	02 = PCB Mount
SD1-2C 012D 02	2C = 2 Form C	012D = 12 VDC	02 = PCB Mount
SD1-2C 024D 02	2C = 2 Form C	024D = 24 VDC	02 = PCB Mount
SD1-2C 048D 02	2C = 2 Form C	048D = 48 VDC	02 = PCB Mount

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Outline Dimensions SD-1
2 Pole PCB Mount