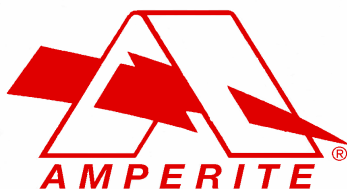


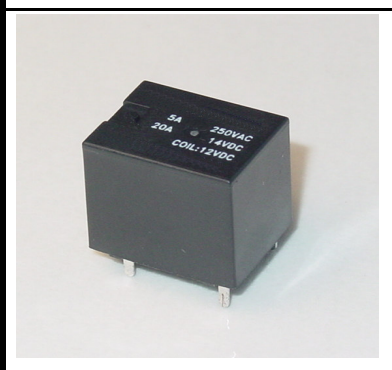
Solving Your Relay Requirements Since 1922



Amperite Co.
 567 52nd Street
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AR3 - Series

Automotive Relays



Low Coil Power Consumption: 0.6 Watts

10A Switching Capabilities

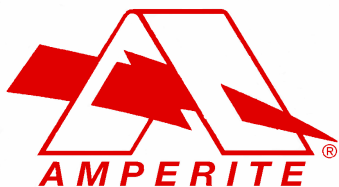
Printed Circuit Board Mount

Epoxy Sealed Relay

SPECIFICATIONS

Contact Material	Silver Alloy		
Contact Resistance	Maximum 100 Milliohms		
Operate Time	Maximum 10 Milliseconds		
Release Time	Maximum 8 Milliseconds		
Insulation Resistance	100 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 180 CPM	10,000,000
	Electrical	At 20 CPM	100,000
Ambient Temperature	-40° C to +85° C		
Operating Humidity	95% RH @ 40° C		
Unit Weight	6 Grams		

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CONTACT RATINGS

Arrangement	1C
Resistive Load Cos. $\Phi = 1$	5A 250 VAC / 10A 14 VDC
Maximum Contact Voltage	14 VDC / 250 VAC
Maximum Contact Current	10A

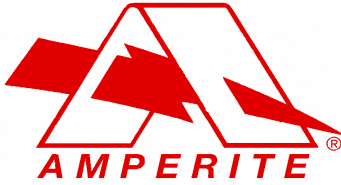
COIL DATA (at 20 °C)

Nominal Voltage	12 VDC
Pick-up Voltage VDC (Max.)	8.4 VDC
Drop-out Voltage VDC (Min.)	0.6 VDC
Coil Resistance	240 $\Omega \pm 10\%$
Power Consumption	0.6 Watts
Temperature Rise (Nominal Voltage)	35 °C
Max. Allowable Voltage	150% of Nominal Voltage

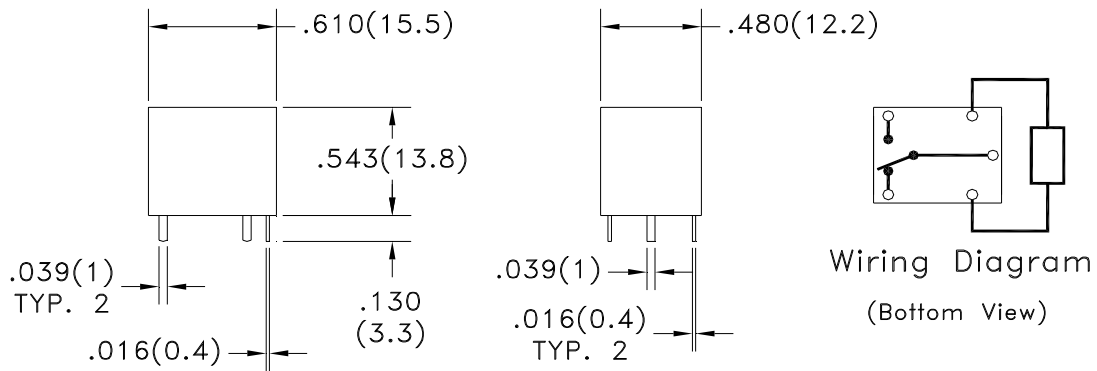
THE AMPERITE PART NUMBERING SYSTEM IS LISTED BELOW. IF YOU DO NOT
 SEE THE NUMBER LISTED THAT YOU NEED, PLEASE CONTACT US. WE CAN
 PROVIDE MOST TYPES OF RELAYS AVAILABLE TODAY.

Part Number	CONTACT ARRANGEMENT	COIL VOLTAGE	TERMINATION
AR3-1C 012D 02	1C = 1 Form C	012D = 12 VDC	02 = PCB Mount

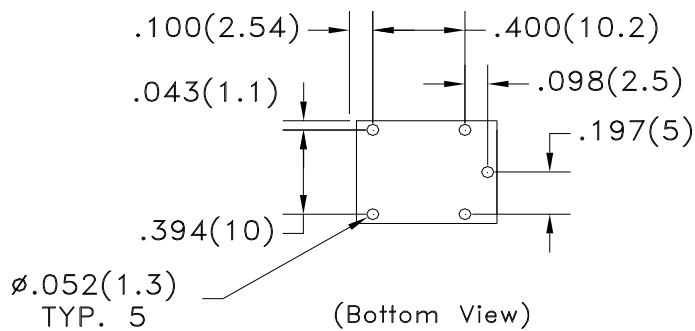
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Outline Dimensions AR3 1 Pole PCB Mount



PCB Outline Dimensions AR3