

AZ767

3A SUBMINIATURE POWER RELAY

FEATURES

- Small footprint
- Low cost
- Class B insulation standard
- Epoxy sealed version available
- UL, CUR file E44211



CONTACTS

Arrangement	SPDT (1 Form C)
Ratings	Resistive load: Max. switched power: 90W (SPDT) 750VA (SPDT) Max. switched current: 3A Max. switched voltage: 150VDC* or 380VAC Note: If switching voltage is greater than 30VDC, special precautions must be taken. Please contact the factory.
Rated Load UL, CUR	Form C 3A at 250VAC, General Use, 100k cycles [1][2] 3A at 30VDC, Res., 100k cycles [1][2] [1] silver cadmium oxide [2] silver nickel
Material	Silver cadmium oxide or silver nickel
Resistance	<100 milliohms initially (24V, 1A voltage drop method)

COIL

Power At Pickup Voltage (typical)	253mW standard
Max. Continuous Dissipation	1.25W at 20°C (68°F) ambient
Temperature Rise	41°C (74°F) at nominal coil voltage, standard
Temperature	Max. 130°C (266°F)

GENERAL DATA

Life Expectancy Mechanical Electrical	Minimum operations 1 x 10 ⁷ 1 x 10 ⁵ at 5A, 240VAC Res.
Operate Time (typical)	8ms at nominal coil voltage
Release Time (typical)	5ms at nominal coil voltage (with no coil suppression)
Dielectric Strength (at sea level for 1 min.)	2500Vrms coil to contact 1000Vrms between open contacts
Insulation Resistance	1000 megohms min. at 20°C 500VDC 50% RH
Dropout	Greater than 5% of nominal coil voltage
Ambient Temperature Operating Storage	At nominal coil voltage -40°C (-40°F) to 90°C (194°F), standard -40°C (-40°F) to 105°C (221°F), sensitive -40°C (-40°F) to 130°C (266°F)
Vibration	0.062" DA at 10–50 Hz
Shock	10 g operating, 100 g damage
Enclosure	P.B.T. polyester
Terminals	Tinned copper alloy, P.C.
Max. Solder Temp.	270°C (518°F)
Max. Solder Time	5 seconds
Max. Solvent Temp.	80°C (176°F)
Max. Immersion Time	30 seconds
Weight	6 grams

NOTES

1. All values at 20°C (68°F).
2. Relay may pull in with less than "Must Operate" value.
3. Specifications subject to change without notice.

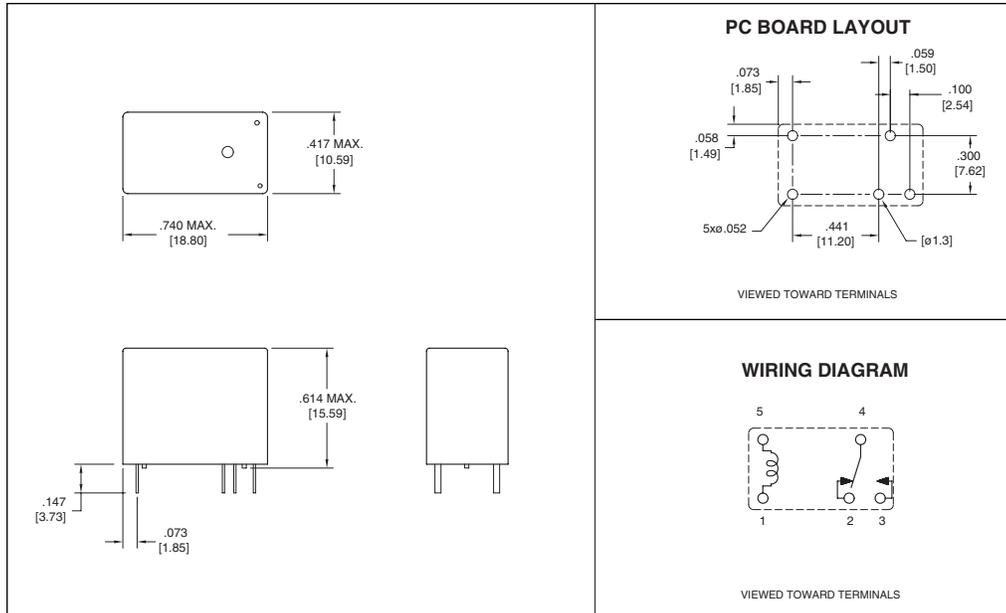
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RELAY ORDERING DATA

STANDARD RELAYS				ORDER NUMBER*
COIL SPECIFICATIONS				Form C (SPDT)
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance Ohms $\pm 10\%$	
3	2.25	5.0	20	AZ767-1C-3D
5	3.75	8.3	55	AZ767-1C-5D
6	4.5	10.0	80	AZ767-1C-6D
9	6.75	15.0	180	AZ767-1C-9D
12	9.0	20.0	320	AZ767-1C-12D
18	13.5	30.0	720	AZ767-1C-18D
24	18.0	40.0	1,280	AZ767-1C-24D
48	36.0	80.0	5,120	AZ767-1C-48D

*For silver nickel contacts change "-1C" to "-1CB". Add suffix "E" for epoxy sealed version. Add suffix "A" for gold plated version.

MECHANICAL DATA



Dimensions in inches with metric equivalents in parentheses. Tolerance: $\pm .010$ "