

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.

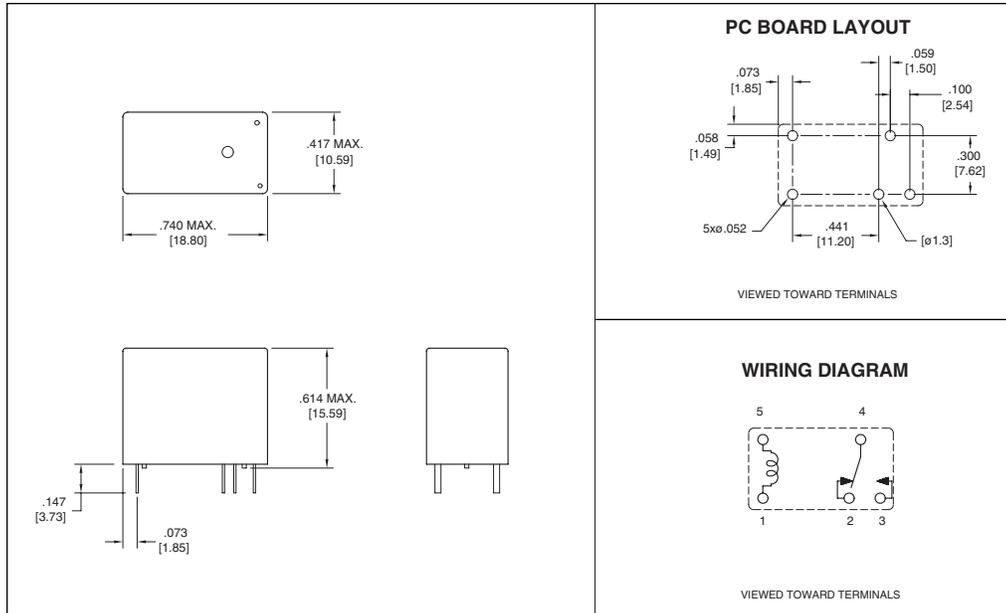
AZ767

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: $\pm .010$ "

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11/28/17

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This specification provides an overview of the most significant part features. Any individual applications and operating conditions are not taken into consideration. It is recommended to test the product under application conditions. Responsibility for the application remains with the customer. Proper operation and service life cannot be guaranteed if the part is operated outside the specified limits.