

AZ767

SPDT SUBMINIATURE POWER RELAY



FEATURES

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

CONTACTS

Arrangement	SPST (1 Form A) SPDT (1 Form C)
Ratings	Resistive load: Max. switched power: 150 W (SPST-NO) standard 1250 VA (SPST-NO) standard 90 W (SPST-NO) sensitive 750 VA (SPST-NO) sensitive 90 W (SPDT) 750 W (SPDT) Max. switched current: 10 A AC SPST-NO standard 5 A DC SPST-NO standard 3 A AC/DC SPST-NO sensitive 3 A AC/DC SPDT Max. switched voltage: 150* VDC or 380 VAC *Note: If switching voltage is greater than 30VDC, special precautions must be taken. Please contact the factory.
Rated Load UL, CUR	Form A 10 A at 125 VAC, Res., 30k cycles [1] 10 A at 125 VAC, General Use., 100k cycles [2] 5 A at 250 VAC, General Use, 100k [1][2] 5 A at 30 VDC, Res., 100k cycles [1][2] 300 W at 120 VAC Tungsten [2] 3 A at 250 VAC, General Use, 100k cycles [1][2] sensitive 3 A at 30 VDC, Res., 100k cycles [1][2] - sensitive 5 A at 125 VAC, Res., 100k cycles [1] - sensitive 10 LRA / 1.5 FLA at 120 VAC, 100k cycles [1] 1/10 HP at 125 VAC, 100k cycles [1] 1/16 HP at 250 VAC, 100k cycles [1] 8 A at 250 VAC, General Use, 100k cycles [2] - sensitive high capacity Form C 3 A at 250 VAC, General Use, 100k cycles [1][2] 3 A at 30 VDC, Res., 100k cycles [1][2] [1] silver cadmium oxide [2] silver nickel
Material	Silver cadmium oxide or silver nickel
Resistance	<100 milliohms initially (24 V, 1 A voltage drop method)

GENERAL DATA

Life Expectancy Mechanical Electrical	Minimum operations 1 x 10 ⁷ 1 x 10 ⁵ at 5 A 240 VAC Res.
Operate Time (typical)	8 ms at nominal coil voltage
Release Time (typical)	5 ms at nominal coil voltage (with no coil suppression)
Dielectric Strength (at sea level for 1 min.)	2500 Vrms coil to contact 1000 Vrms between open contacts
Insulation Resistance	1000 megohms min. at 20°C 500 VDC 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

COIL

Power At Pickup Voltage (typical)	253 mW standard 113 mW sensitive
Max. Continuous Dissipation Temperature Rise	1.25 W at 20°C (68°F) ambient 41°C (74°F) at nominal coil voltage, standard 22°C (40°F) at nominal coil voltage, sensitive
Temperature	Max. 130°C (266°F)

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.



AMERICAN ZETTLER, INC.

www.azettler.com

75 COLUMBIA • ALISO VIEJO, CA 92656 • PHONE: (949) 831-5000 • FAX: (949) 831-8642 • E-MAIL: SALES@AZETTLER.COM

9/6/06 W

