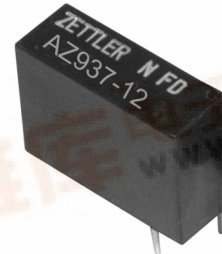


AZ937

SENSITIVE SUBMINIATURE RELAY

FEATURES

- Extremely small footprint
- Thin vertical profile only 0.275" (7 mm) wide
- High sensitivity, 113 mW pickup
- Dielectric strength 4000 Vrms
- 3 Amp switching capability
- Epoxy sealed
- UL, CUR file E44211
- TÜV file B020440800001



CONTACTS

Arrangement	SPST (1 Form A)
Ratings	Resistive load: Max. switched power: 90 W or 750 VA Max. switched current: 3 A Max. switched voltage: 150* VDC or 250 VAC Note: If switching voltage is greater than 30 VDC, special precautions must be taken. Please contact the factory.
Rated Load UL/CSA	3 A at 250 VAC, general use, 200k cycles 3 A at 30 VDC, resistive, 200k cycles $\frac{1}{10}$ HP at 250 VAC, 100k cycles
TÜV	3 A at 250 VAC / 30 VDC, resistive, 200k cycles
Material	Silver nickel
Resistance	< 100 milliohms initially (at 6 V, 1 A, voltage drop method)

COIL

Power	
At Pickup Voltage (typical)	113 mW
Max. Continuous Dissipation	750 mW at 20°C (68°F) ambient
Temperature Rise	26°C (47°F) at nominal coil voltage
Temperature	Max. 105°C (221°F)

NOTES

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

GENERAL DATA

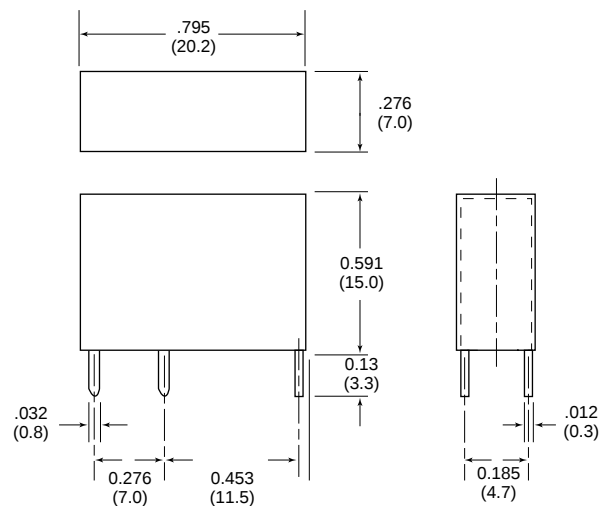
Life Expectancy Mechanical Electrical	Minimum operations 5 million operations 1 X 10 ⁵ at 3 A, 30 VDC or 250 VAC res.
Operate Time (typical)	6 ms at nominal coil voltage
Release Time (typical)	3 ms at nominal coil voltage (with no coil suppression)
Dielectric Strength (at sea level for 1 min.)	4000 Vrms coil to contact 750 Vrms between open contacts
Insulation Resistance	1000 megohms min. at 20°C, 500 VDC, 50% RH
Dropout	Greater than 10% of nominal coil voltage
Ambient Temperature Operating Storage	At nominal coil voltage -40°C (-40°F) to 85°C (185°F) -40°C (-40°F) to 105°C (221°F)
Vibration	0.062" (1.5 mm) DA at 10–55 Hz
Shock	10 g
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	5 grams

AZ937

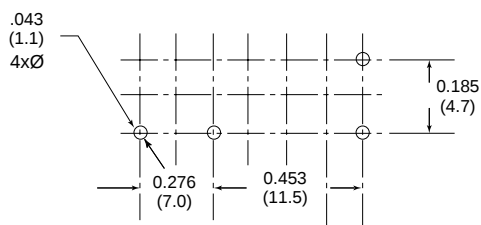
RELAY ORDERING DATA

COIL SPECIFICATIONS				
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance Ohm $\pm 10\%$	ORDER NUMBER
3	2.3	5.8	45	AZ937-3
5	3.8	9.7	125	AZ937-5
6	4.5	11.6	180	AZ937-6
9	6.8	17.4	405	AZ937-9
12	9.0	23.2	720	AZ937-12
24	18.0	46.5	2,880	AZ937-24

MECHANICAL DATA



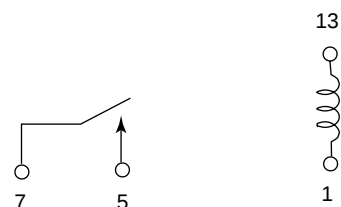
PC BOARD LAYOUT



Viewed toward terminals

Attention! Grid is not 0.1" (2.54 mm)!!

WIRING DIAGRAM



Viewed toward terminals

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