

AZ9375

SENSITIVE SUBMINIATURE RELAY

FEATURES

- Extremely small footprint
- Thin vertical profile only 0.275" (7mm) wide
- Dielectric strength 4000Vrms
- Class 'F' 155°C coil insulation system standard
- 10 Amp switching capability
- UL, CUR file E44211
- TUV R50284629



CONTACTS

Arrangement	SPST (1 Form A)
Ratings	Resistive load: Max. switched power: 150W or 1250VA Max. switched current: 10A Max. switched voltage: 30VDC or 277VAC
Rated Load UL / CSA	10A at 125VAC, Res., 100k cycles, 90°C 10A at 30VDC, Res., 100k cycles, 90°C 5A at 250VAC, Res., 100k cycles, 90°C 1/10HP at 250VAC, 100k cycles, 85°C 1.4FLA / 7.5LRA at 250VAC, 100k cycles, 85°C
TUV	5A at 250VAC, Res., 100k cycles, 90°C 10A at 125VAC, 30VDC, Res., 100k cycles, 90°C
Material	Silver nickel, Silver Tin Oxide (contact factory for ratings)
Resistance	< 100 milliohms initially (at 6V, 1A, voltage drop method)

COIL

Power At Pickup Voltage (typical)	113mW
Max. Continuous Dissipation	338mW at 20°C (68°F) ambient
Temperature Rise	26°C (79°F) at nominal coil voltage
Temperature	Max. 155°C (311°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.

GENERAL DATA

Life Expectancy Mechanical Electrical	Minimum operations 5 million operations 1 X 10 ⁵ at 5A, 250VAC Res.
Operate Time (typical)	10ms at nominal coil voltage
Release Time (typical)	4ms at nominal coil voltage (with no coil suppression)
Dielectric Strength (at sea level for 1 min.)	750Vrms between open contacts 4000Vrms coil to contact
Insulation Resistance	1000 megohms min. at 20°C, 500VDC, 50% RH
Dropout	Greater than 10% of nominal coil voltage
Ambient Temperature Operating Storage	At nominal coil voltage -40°C (-40°F) to 90°C (194°F) -40°C (-40°F) to 105°C (221°F)
Vibration	0.062" (1.5mm) DA at 10–55Hz
Shock	10g
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	4 grams

AMERICAN ZETTLER, INC.

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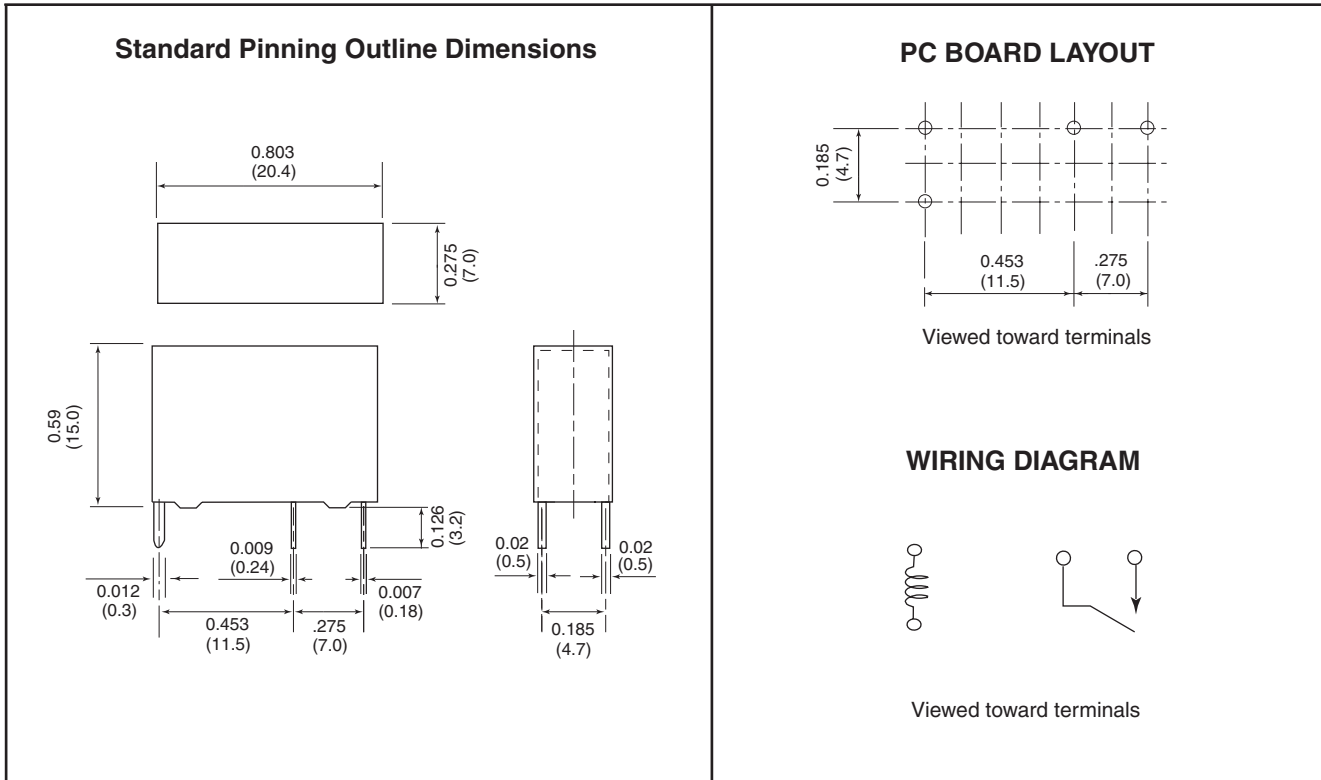
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RELAY ORDERING DATA

COIL SPECIFICATIONS				
Nominal Coil VDC	Must Operate VDC	Max Continuous VDC	Coil Resistance Ohms $\pm 10\%$	ORDER NUMBER
3	2.25	3.9	45	AZ9375-1A-3DF
5	3.75	6.5	125	AZ9375-1A-5DF
6	4.50	7.8	180	AZ9375-1A-6DF
9	6.75	11.7	405	AZ9375-1A-9DF
12	9.00	15.6	720	AZ9375-1A-12DF
18	13.50	23.4	1620	AZ9375-1A-18DF
24	18.00	31.2	2800	AZ9375-1A-24DF

* Replace -1A with -1AE for AgSnO₂ contact material. Add suffix 'E' after 'D' for sealed version.

MECHANICAL DATA



** Attention: Grid is not 0.1 inch (2.54 mm). **