

# AZ672

## MINIATURE POWER RELAY

### FEATURES

- Compact size for dense PCB layouts
- High power contacts (10A) for use in consumer appliances, HVAC, TV
- Withstands surges of up to 10,000 volts
- Epoxy sealed version available
- UL file E44211; CSA file LR74120
- TÜV file BL980934205001



### CONTACTS

<b>Arrangement</b>	SPST – NO
<b>Ratings</b>	Non - inductive load: Max. switched power: 240 W or 2000 VA Max. switched current: 8A (DC), 10A (AC) 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.
<b>Rated Load UL, CUR, TÜV</b>	10 A at 125 VAC resistive 8 A at 250 VAC resistive 8 A at 30 VDC resistive
<b>UL, CUR</b>	TV5 1/8 HP, 125 VAC / 277 VAC
<b>Material</b>	Silver tin indium oxide
<b>Resistance</b>	< 100 milliohms initially (6 V, 1A voltage drop method)

### COIL

<b>Power At Pickup Voltage (typical)</b>	300 mW
<b>Max. Continuous Dissipation</b>	1 W at 20°C (68°F) ambient
<b>Temperature Rise</b>	45°C at nominal coil voltage
<b>Temperature</b>	Max. 105°C

### 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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### GENERAL DATA

<b>Life Expectancy Mechanical Electrical</b>	2 x 10 <sup>6</sup> 1 x 10 <sup>5</sup> at 10 A 120 VAC Res.
<b>Operate Time (typical)</b>	10 ms at nominal coil voltage
<b>Release Time (typical)</b>	6 ms at nominal coil voltage (with no coil suppression)
<b>Dielectric Strength (at sea level for 1 min.)</b>	1000 Vrms contact to contact 4000 Vrms contact to coil 10,000 V surge contact to coil
<b>Insulation Resistance</b>	1000 megohms min. at 20°C, 500 VDC, 50% RH
<b>Dropout</b>	5% of nominal coil voltage
<b>Ambient Temperature Operating Storage</b>	-40°C (-40°F) to 70°C (158°F) -40°C (-40°F) to 105°C (221°F)
<b>Vibration</b>	1.5mm DA at 10–55 Hz
<b>Shock</b>	10 g
<b>Enclosure</b>	Plastic
<b>Terminals</b>	PC, tinned
<b>Max. Solder Temp.</b>	250°C (482°F)
<b>Max. Solder Time</b>	5 seconds
<b>Max. Solvent Temp.</b>	80°C
<b>Max. Immersion Time</b>	30 seconds
<b>Weight</b>	12 grams (approx.)

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[www.azettler.com](http://www.azettler.com)

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

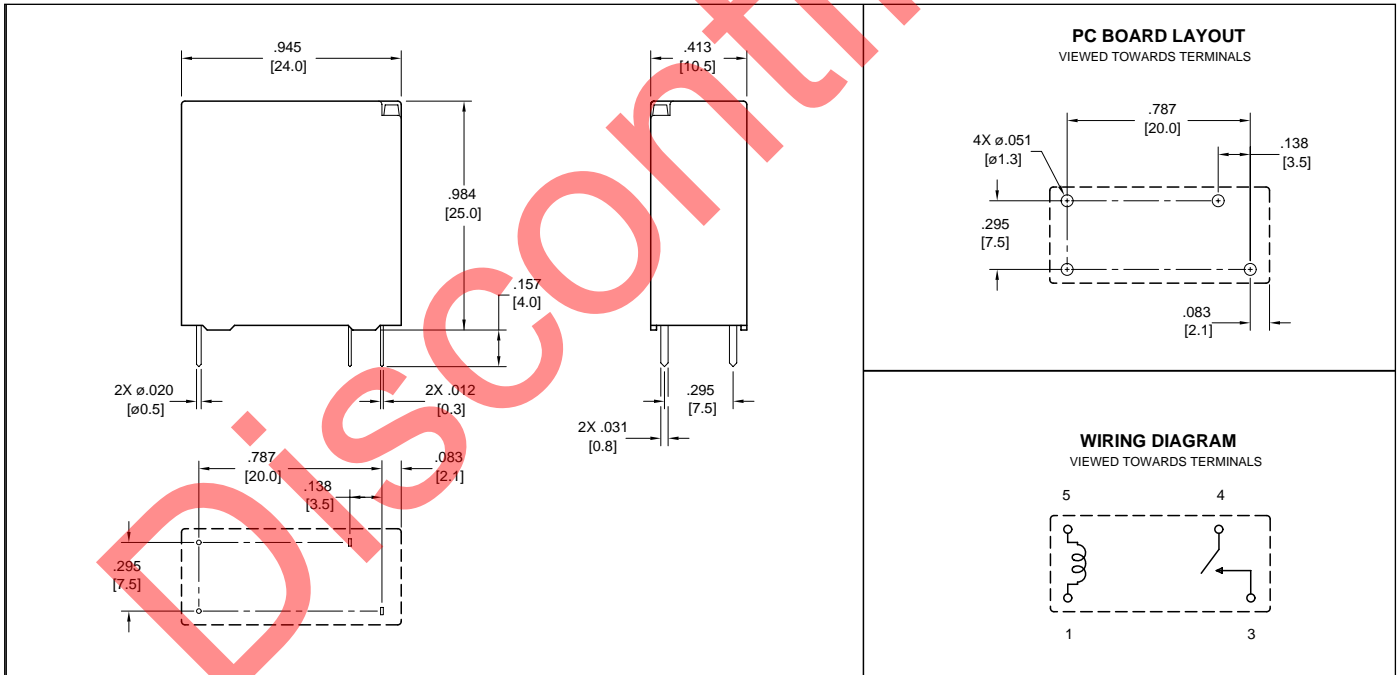
6/1/01W

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## RELAY ORDERING DATA

COIL SPECIFICATIONS — STANDARD RELAY				ORDER NUMBER	
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance $\pm 10\%$	Unsealed	Sealed
3	2.25	3.9	17	AZ672-1A-3D	AZ672-1A-3DE
5	3.75	6.5	47.2	AZ672-1A-5D	AZ672-1A-5DE
6	4.5	7.8	67.9	AZ672-1A-6D	AZ672-1A-6DE
9	6.75	11.7	153	AZ672-1A-9D	AZ672-1A-9DE
12	9	15.6	272	AZ672-1A-12D	AZ672-1A-12DE
24	18	31.2	1,090	AZ672-1A-24D	AZ672-1A-24DE
48	36	62.4	4,350	AZ672-1A-48D	AZ672-1A-48DE

## MECHANICAL DATA



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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.