

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

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

COIL

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

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

ZETTLER electronics

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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

