AZ673 _

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
- Insulation Class B standard
- UL/CUR file E44211
- TÜV file R50155379

CONTACTS

Arrangement	SPST – N.O., SPDT			
Ratings	Non - inductive load: Max. switched power: 300 W or 2500 VA Max. switched current: 10A 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, CUR, TÜV	10 A at 250 VAC, general use, 100k 10 A at 30 VDC resistive, 100K 1/8 HP at 125 VAC 1/4 HP at 250 VAC TV-5 at 125 VAC (1 Form A only) 10 A at 250 VAC resistive, 100k			
	10 A at 30 VDC resistive, 100k			
Material	Silver cadmium oxide or silver tin oxide			
Resistance	< 100 milliohms initially (6 V, 1A voltage drop method)			

COIL

Power				
At Pickup Voltage (typical)	300 mW standard coil 140 mW sensitive coil			
Max. Continuous Dissipation	1.2 W at 20°C (68°F) ambient			
Temperature Rise	48°C (86°F) at nominal coil voltage, std. coil 22°C (40°F) at nominal coil voltage, sens. coil			
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.
- 4. Specifications subject to change without notice.

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Life Expectancy Mechanical Electrical	1 x 10 ⁷ 1 x 10 ⁵ at 10 A 240 VAC Res.				
Operate Time (typical)	15 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.)	1000 Vrms contact to contact 4000 Vrms N.O. contact to coil 3000 Vrms N.C. 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 80°C (176°F) -40°C (-40°F) to 105°C (221°F) sensitive coil -40°C (-40°F) to 130°C (266°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				

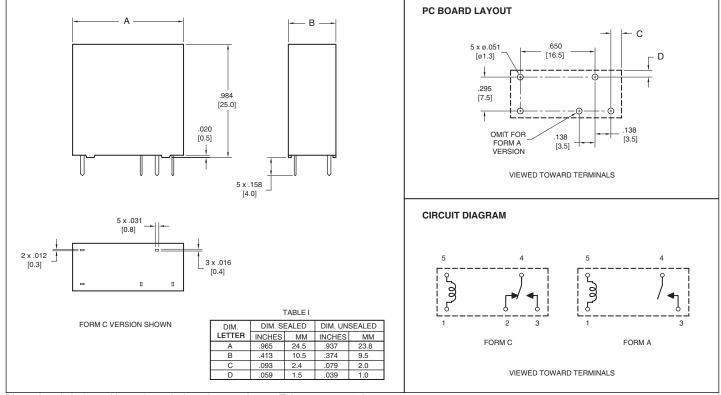
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RELAY ORDERING DATA

COIL SPECIFICATIONS — STANDARD COIL				ORDER NUMBER*	
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance ±10%	1 Form A	1 Form C
5	3.75	7.5	47	AZ673–1A–5D	AZ673–1C–5D
6	4.50	9.0	68	AZ673–1A–6D	AZ673–1C–6D
9	6.75	13.6	155	AZ673–1A–9D	AZ673–1C–9D
12	9.00	18.0	270	AZ673–1A–12D	AZ673–1C–12D
18	13.5	27.3	620	AZ673–1A–18D	AZ673–1C–18D
24	18.0	36.0	1080	AZ673–1A–24D	AZ673–1C–24D
48	36.0	72.7	4400	AZ673–1A–48D	AZ673–1C–48D
COIL SPECIFIC	ATIONS — SENSITI	ORDER NUMBER*			
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance ±10%	1 Form A	
5	3.75	11.0	100	AZ673–1A–5DS	
6	4.50	13.2	145	AZ673–1A–6DS	
9	6.75	19.7	325	AZ673–1A–9DS	
12	9.00	26.3	575	AZ673–1A–12DS	
18	13.5	39.5	1300	AZ673–1A–18DS	
24	18.0	52.6	2310	AZ673–1A–24DS	

*For epoxy sealed version add suffix "E". For silver tin oxide contacts add suffix "A".

MECHANICAL DATA



Dimensions in inches with metric equivalents in parentheses. Tolerance: ± .010"



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