AZ765

SPST SUBMINIATURE POWER RELAY

FEATURES

- Small footprint
- Low cost
- Epoxy sealed version available
- 10 Amp switching
- UL, CUR File E43203

CONTACTS

Arrangement	SPST (1 Form A) SPDT (1 Form C)
Ratings	Resistive load: Max. switched power: 280 W or 1200 VA Max. switched current: 10 A Max. switched voltage: 150* VDC or 400 VAC *Note: If switching voltage is greater than 30 VDC, special precautions must be taken. Please contact the factory.
Rated Load **UL, CUR**	10 A at 120 VAC 10 A at 28 VDC
Material	Silver cadmium oxide
Resistance	< 50 milliohms initially (24 V, 1 A voltage drop method)

COIL

Power	
At Pickup Voltage (typical)	253 mW
Max. Continuous Dissipation	1.1 W at 20°C (68°F) ambient
Temperature Rise	42°C (76°F) at nominal coil voltage
Temperature	Max. 105°C (221°F)

GENERAL DATA

Life Expectancy **Mechanical** **Electrical**	Minimum operations 1 x 10^7 1 x 10^5 at 10 A 120 VAC Res.
Operate Time (typical)	8 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.)	2500 Vrms coil to contact 1000 Vrms between open contacts
Insulation Resistance	1000 megohms min. at 20°C 500 VDC 50% RH
Dropout	Greater than 5% of nominal coil voltage
Ambient Temperature **Operating** **Storage**	At nominal coil voltage -40°C (-40°F) to 65°C (149°F) -40°C (-40°F) to 105°C (221°F)
Vibration	0.040" (1.5 mm) DA at 10–50 Hz
Shock	10 g operating, 100 g damage
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	6 grams

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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2003-06-30

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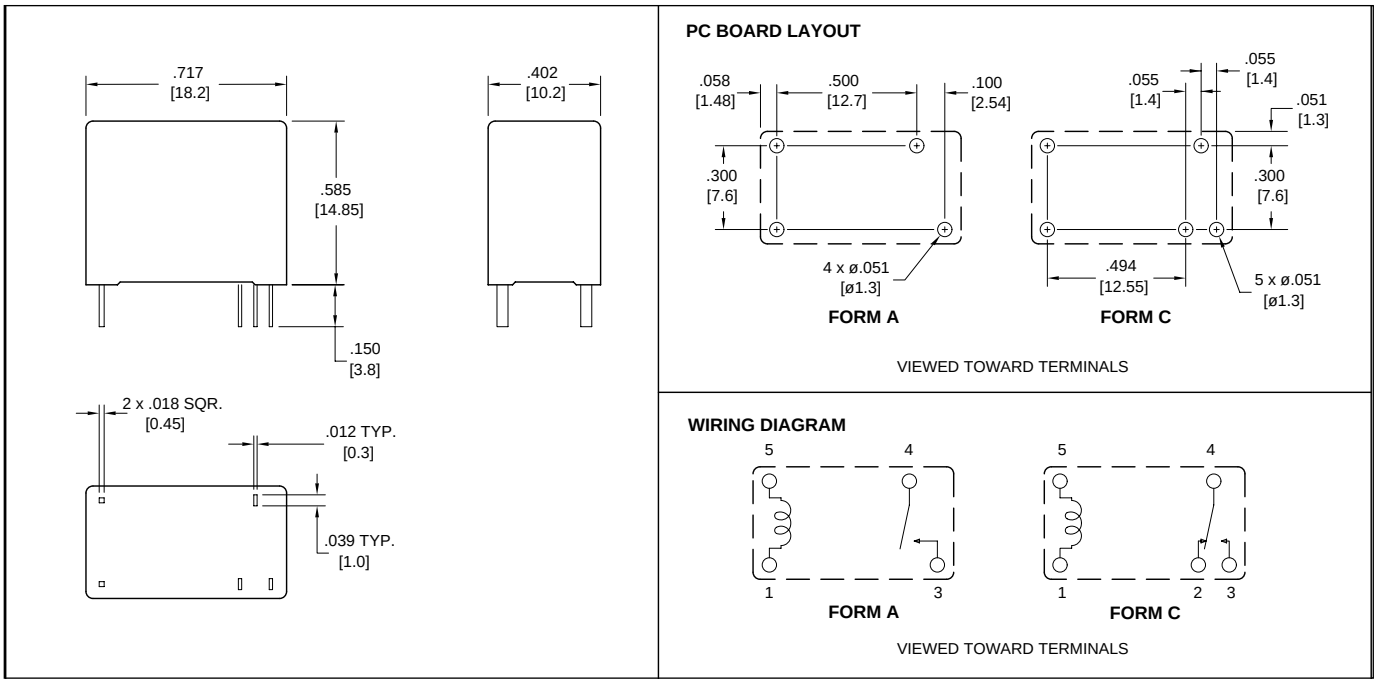
RELAY ORDERING DATA

COIL SPECIFICATIONS				ORDER NUMBER*	
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance Ohm ± 10%	1 Form A	1 Form C
3	2.25	6.0	20	AZ765–1A–3D	AZ765–1C–3D
5	3.75	9.9	55	AZ765–1A–5D	AZ765–1C–5D
6	4.5	12.0	80	AZ765–1A–6D	AZ765–1C–6D
9	6.75	18.0	180	AZ765–1A–9D	AZ765–1C–9D
12	9.0	24.0	320	AZ765–1A–12D	AZ765–1C–12D
18	13.5	36.0	720	AZ765–1A–18D	AZ765–1C–18D
24	18.0	48.0	1,280	AZ765–1A–24D	AZ765–1C–24D

*Add suffix “E” for epoxy sealed version.

MECHANICAL DATA



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

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