AZ9402

10 AMP MINIATURE POWER RELAY

FEATURES

- 10 Amp switching capability
- SPST-N.O. and SPDT configurations
- Epoxy sealed version available
- UL, CUR E44211
- TUV pending

CONTACTS

Arrangement	SPST N.O. (1 Form A) SPDT (1 Form C)				
Ratings	Resistive load:				
	Max. switched power: 150 W or 1250 VA N.O.				
	Max. switched current:10 A Max. switched voltage: 30 VDC* or 277 VAC				
	*Note: If switching voltage is greater than 30 VDC, special precautions must be taken. Please contact the factory.				
UL, CUR	5A at 250 VAC 10A at 125 VAC 4.2A at 277 VAC				
	1/4 HP at 120/240/277 VAC				
	TV- 5 at 120 VAC				
	Pilot Duty at 24 VA, 24 VAC ;125 VA at				
	120/240/277 VAC ; C150 at 120 VAC				
τυν	5A at 250 VAC 5A at 28 VDC				
Material	Silver Nickel				
Resistance	< 0.1 Ohm (24 V, 1 A voltage drop method)				

COIL

Power				
At Pickup Voltage (typical)	253 mW (Standard Coil) 113 mW (Sensitive Coil)			
Max. Continuous Dissipation	1.25 W at 20°C (68°F)			
Temperature Rise	40°C (72°F) (Standard Coil) 20°C (36°F) (Sensitive Coil)			
Temperature	Max. 105°C (221°F)			



GENERAL DATA

Life Expectancy	Minimum operations			
Mechanical	1×10^7			
Electrical	1 x 10 ⁵ at 10 A 120 VAC Res.			
Operate Time (max.)	8 ms at nominal coil voltage			
Release Time (max.)	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 contact to coil			
Insulation Resistance	1 x 109 ohms minimum at 500 VDC			
Dropout	Greater than 5% of nominal coil voltage			
Ambient Temperature	At nominal coil voltage			
Operating	-40°C (-40°F) to 70°C (158°F)			
Storage	-40°C (-40°F) to 130°C (266°F)			
Vibration	0.062" DA at 10–55 Hz			
Shock				
Mechanical	100 g for 11 ms 1/2 sine pulse			
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	7 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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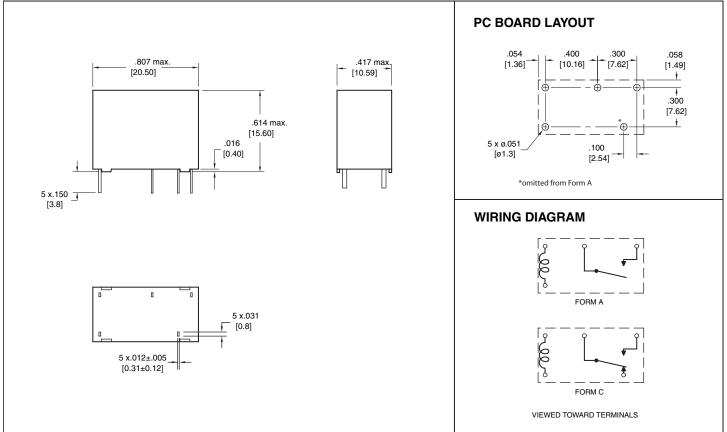
RELAY ORDERING DATA

COIL SPECIFICATIONS – Standard Coil (SPDT and SPST)				ORDER NUMBER*	
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance ± 10%	SPST-NO	SPDT
3	2.25	3.3	20	AZ9402-1A-3D	AZ9402-1C-3D
5	3.75	5.5	56	AZ9402–1A–5D	AZ9402-1C-5D
6	4.5	6.6	80	AZ9402–1A–6D	AZ9402-1C-6D
9	6.75	9.9	180	AZ9402–1A–9D	AZ9402-1C-9D
12	9.0	13.2	320	AZ9402–1A–12D	AZ9402-1C-12D
18	13.5	19.8	720	AZ9402–1A–18D	AZ9402-1C-18D
24	18.0	26.4	1280	AZ9402–1A–24D	AZ9402-1C-24D

*Add suffix "E" for sealed version

COIL SPECIFICATIONS – Sensitive Coil (SPST)				ORDER NUMBER**	
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance ± 10%	Unsealed	Sealed
3	2.25	3.3	45	AZ9402-1A-3DS	AZ9402-1A-3DSE
5	3.75	5.5	125	AZ9402-1A-5DS	AZ9402-1A-5DSE
6	4.5	6.6	180	AZ9402–1A–6DS	AZ9402-1A-6DSE
9	6.75	9.9	405	AZ9402-1A-9DS	AZ9402-1A-9DSE
12	9.0	13.2	720	AZ9402-1A-12DS	AZ9402-1A-12DSE
18	13.5	19.8	1620	AZ9402-1A-18DS	AZ9402-1A-18DSE
24	18.0	26.4	2880	AZ9402-1A-24DS	AZ9402-1A-24DSE

MECHANICAL DATA



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

AMERICAN ZETTLER, INC.

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