AZ940_

10 AMP MINIATURE POWER RELAY

FEATURES

- 10 Amp switching capability
- SPST-N.O. and SPDT configurations
- 4 kV dielectric strength
- Epoxy sealed version available
- Class B insulated standard, Class F available
- UL, CUR file E44211, VDE file 134326



Arrangement	SPST N.O. (1 Form A) SPDT (1 Form C)				
Ratings	Resistive load:				
	Max. switched power: 150 W or 1250 VA N.O. 90 W or 750 VA N.C. Max. switched current: 10 A N.O., 3 A N.C 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.				
UL, CUR (N.O.)	10 A at 125 VAC General Use, 100k cycles 10 A at 277 VAC COS =.4, 10k cycles 5 A at 250 VAC General Use, 100k cycles 5 A at 30 VDC 1/10 HP at 125 VAC, 100k cycles 1/6 HP at 250 VAC, 100k cycles				
UL, CUR (N.C.)	· · · · · ·				
VDE	Form A N.O.: 5 A 250 VAC Form C N.O.: 5 A 250 VAC Form C N.C.: 3 A 250 VAC				
Material	Silver cadmium oxide or silver nickel or silver tin oxide				
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. 130°C (266°F) Class B Max. 155°C (311°F) Class F			



GENERAL DATA

Minimum operations 1 x 10 ⁷ 1 x 10 ⁵ at 10 A 120 VAC Res.			
8 ms at nominal coil voltage			
5 ms at nominal coil voltage (with no coil suppression)			
1000 Vrms contact to contact 4000 Vrms contact to coil			
1 x 109 ohms minimum at 500 VDC			
Greater than 5% of nominal coil voltage			
At nominal coil voltage -40°C (-40°F) to 90°C (194°F) Class B -40°C (-40°F) to 110°C (230°F) Class F -40°C (-40°F) to 130°C (266°F) Class B -40°C (-40°F) to 155°C (311°F) Class F			
0.062" DA at 10-55 Hz			
10 g for 11 ms 1/2 sine pulse (no contact opening >100 usec) 100 g for 11 ms 1/2 sine pulse			
P.B.T. polyester			
Tinned copper alloy, P.C.			
270°C (518°F)			
5 seconds			
80°C (176°F)			
30 seconds			
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

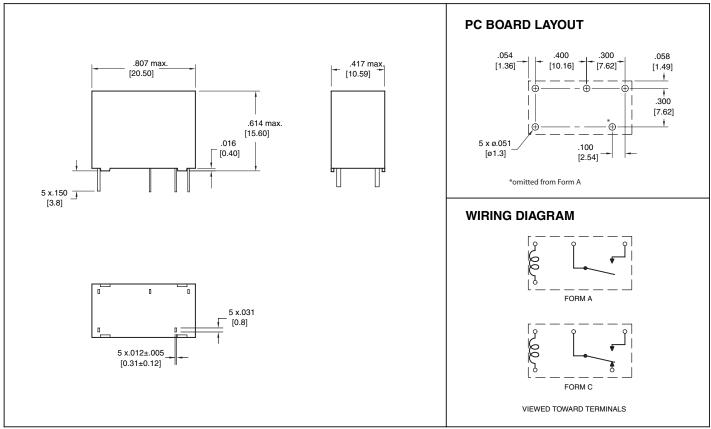
COIL SPECIFICATIONS – Standard Coil (SPDT and SPST)				ORDER NUMBER*	
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance ± 10%	SPST-NO	SPDT
3	2.3	5.0	20	AZ940-1A-3D	AZ940-1C-3D
5	3.8	8.3	55	AZ940-1A-5D	AZ940-1C-5D
6	4.5	10.0	80	AZ940-1A-6D	AZ940-1C-6D
9	6.8	15.0	180	AZ940-1A-9D	AZ940-1C-9D
12	9.0	20.0	320	AZ940-1A-12D	AZ940-1C-12D
18	13.5	30.0	720	AZ940-1A-18D	AZ940-1C-18D
24	18.0	40.0	1280	AZ940-1A-24D	AZ940-1C-24D

^{*}For silver nickel contacts substitute "-1AB" for "-1AB" for "-1CB" for "-1CB" for silver tin oxide contacts substitute "-1AE" for "-1AE" for "-1CE" for "-1C." Add suffix "E" for sealed version. Add suffix "G" for gold plating. Add suffix "F" for Class F. Class B not VDE approved.

COIL SPECIFICATIONS – Sensitive Coil (SPST)				ORDER NUMBER**	
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance ± 10%	Unsealed	Sealed
3	2.3	7.5	45	AZ940-1A-3DS	AZ940-1A-3DSE
5	3.8	12.5	125	AZ940-1A-5DS	AZ940-1A-5DSE
6	4.5	15.0	180	AZ940-1A-6DS	AZ940-1A-6DSE
9	6.8	22.4	400	AZ940-1A-9DS	AZ940-1A-9DSE
12	9.0	30.0	720	AZ940-1A-12DS	AZ940-1A-12DSE
18	13.5	44.7	1600	AZ940-1A-18DS	AZ940-1A-18DSE
24	18.0	59.2	2800	AZ940-1A-24DS	AZ940-1A-24DSE

^{**}For silver nickel contacts substitute "-1AB" for "-1C" for "-1C". For silver tin oxide contacts substitute "-1AE" for "-1A" or "-1CE" for "-1C." Add suffix "G" for gold plating. Add suffix "F" for Class F. Class B not VDE approved.

MECHANICAL DATA



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



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