AZ6961₋

10 AMP SUBMINIATURE POWER RELAY

FEATURES

- High sensitivity, 120 mW pickup
- Dielectric strength 5000 Vrms
- Isolation spacing greater than 8 mm
- 10 Amp switching capability
- Class B insulation standard, Class F version available
- Epoxy sealed version for automatic wave soldering and cleaning available
- UL, CUR file E44211
- VDE 131637ÜG



Arrangement	SPDT (1 Form C) SPST (1 Form A)					
Ratings	Resistive load:					
	Max. switched power: 240 W or 2500 VA Max. switched current: 10 A Max. switched voltage: 240* VDC or 440 VAC UL, CUR Rating: 10 A at 250 VAC resistive [1] 8 A at 30 VDC/250 VAC [1] 8 A at 30 VDC/250 VAC, 100k cycles [2] B300 Pilot Duty [1] R300 Pilot Duty [1] 1/4 HP at 125 VAC [1] 1/2 HP at 250 VAC [1]					
	VDE Rating: 8 A at 250 VAC *Note: if switching voltage is greater than 30 VDC, special precautions must be taken. Please contact the factory.					
Material	Silver cadmium oxide (AgCdO) [1] Silver tin oxide (AgSnO ₂) [2] Gold plating available					
Resistance	< 100 milliohms initially					

COIL

Power				
At Pickup Voltage (typical)	120 mW			
Max. Continuous Dissipation	1.2 W at 20°C (68°F) ambient			
Temperature Rise	20°C (36°F) at nominal coil voltage			
Temperature	Max. 130°C (266°F) Class B Max. 155°C (311°F) Class F			



GENERAL DATA

Life Expectancy	Minimum operations		
Mechanical	10 million		
Electrical	3 X 10 ⁵ at 8 A 240 VAC res.		
Operate Time (typical)	7 ms at nominal coil voltage		
Release Time (typical)	3 ms at nominal coil voltage		
	(with no coil suppression)		
Dielectric Strength	5000 Vrms coil to contact		
(at sea level for 1 min.)	1000 Vrms between open contacts		
	-		
Insulation	1000 megohms min. at 20°C, 500 VDC,		
Resistance	50% RH		
D	One should be a 400% of a contract collection		
Dropout	Greater than 10% of nominal coil voltage		
Ambient Temperature	At nominal coil voltage		
Operating	-40°C (-40°F) to 100°C (212°F)		
Storage	-40°C (-40°F) to 130°C (266°F) Class B		
	-40°C (-40°F) to 155°C (311°F) Class F		
Vibration	Break Contact: 5g at 10500 Hz		
	Make Contact: 20g at 10500 Hz		
Shock	10 g		
Enclosure	P.B.T. polyester, UL94 V-0		
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	8 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.
- 4. Class F version not VDE approved



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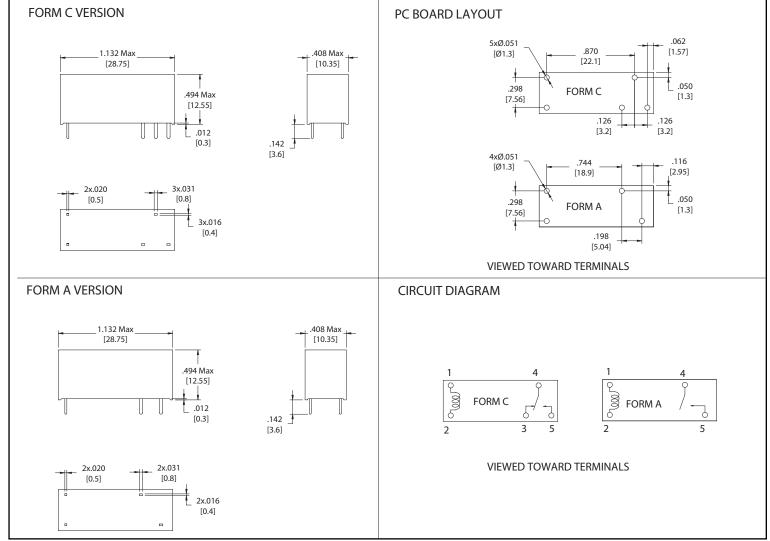
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RELAY ORDERING DATA

COIL SPECIFICATIONS				ORDER NUMBER*	
Nominal Coil VDC	Max. Continuous VDC	Coil Resistance	Must Operate VDC	1 Form A (SPST-NO)	1 Form C (SPDT)
5	11.6	113 ± 10%	3.5	AZ6961-1A-5D	AZ6961-1C-5D
6	14.0	164 ± 10%	4.2	AZ6961-1A-6D	AZ6961-1C-6D
12	27.2	617 ± 10%	8.4	AZ6961-1A-12D	AZ6961-1C-12D
24	53.1	2350 ± 10%	16.8	AZ6961-1A-24D	AZ6961-1C-24D
48	107.3	9600 ± 15%	33.6	AZ6961-1A-48D	AZ6961-1C-48D
60	122.4	12500 ± 15%	42.0	AZ6961-1A-60D	AZ6961-1C-60D

^{*}Add "E" to "-1A" or "-1C" for AgSnO2 contacts. Add suffix "E" for sealed version. Add suffix "A" for gold plated contacts. Add suffix "F" for Class F version.

MECHANICAL DATA



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

