

AZ936

10 AMP LOW PROFILE POWER RELAY

FEATURES

- High power switching (2000 VA)
- High sensitivity, 190 mW pickup
- Low profile
- SPST (1 Form A)
- DC coils up to 100 VDC
- UL file E44211, CSA file 720514
- TÜV file BL991234205002



CONTACTS

Arrangement	SPST (1 Form A)
Ratings	Resistive load: Max. switched power: 240 W, 2000 VA Max. switched current: 10 A Max. switched voltage: 250 VAC/110 VDC
Rated Load UL, CSA	10 A at 125 VAC, resistive 8 A at 250 VAC, 30 VDC, resistive 1/10 HP 125 VAC 1/10 HP 250 VAC
TÜV	10 A at 125 VAC, resistive 8 A at 250 VAC, 30 VDC, resistive
Material	Silver tin oxide
Resistance	< 100 milliohms initially (6 V, 1 A voltage drop method)

COIL

Power At Pickup Voltage (typical)	190 mW 3-24 VDC coils 245 mW 48 VDC coil 285 mW 100 VDC coil
Max. Continuous Dissipation	0.6 W at 20°C (68°F)
Temperature Rise	20°C (36°F) at nominal coil voltage
Temperature	Max. 115°C (239°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.

GENERAL DATA

Life Expectancy Mechanical Electrical	Minimum operations 1 x 10 ⁷ 1 x 10 ⁵ at 8 A 250 VAC Res.
Operate Time (typical)	10 ms at nominal coil voltage
Release Time (typical)	2 ms at nominal coil voltage (with no coil suppression)
Dielectric Strength (at sea level for 1 min.)	1500 Vrms coil to contact 1000 Vrms contact to contact
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 70°C (158°F) 3-24 VDC -40°C (-40°F) to 60°C (140°F) 48-100 VDC -40°C (-42°F) to 105°C (221°F)
Vibration	0.062" (1.5 mm) DA at 10-55 Hz
Shock	10 g
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	5 grams

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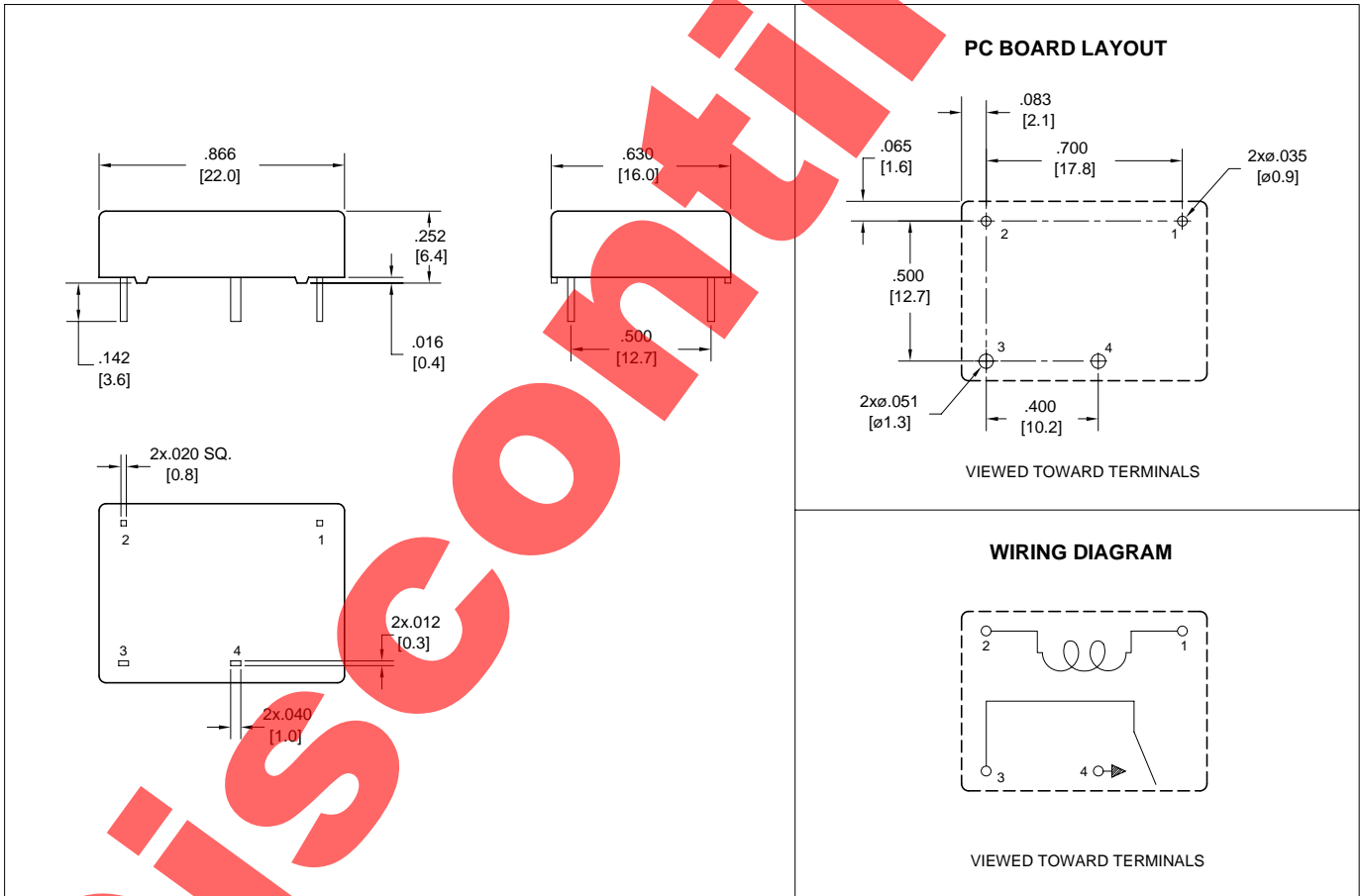
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RELAY ORDERING DATA

COIL SPECIFICATIONS SPST-NO (1 Form A)				ORDER NUMBER	
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance $\pm 10\%$	Unsealed	Sealed
3	2.4	3.9	30	AZ936-1A-3D	AZ936-1A-3DE
5	4.0	6.5	83	AZ936-1A-5D	AZ936-1A-5DE
6	4.8	7.8	120	AZ936-1A-6D	AZ936-1A-6DE
9	7.2	11.7	270	AZ936-1A-9D	AZ936-1A-9DE
12	9.6	15.6	480	AZ936-1A-12D	AZ936-1A-12DE
24	19.2	31.2	1,920	AZ936-1A-24D	AZ936-1A-24DE
48	33.6	52.8	4,608	AZ936-1A-48D	AZ936-1A-48DE
100	70.0	110.0	20,000	AZ936-1A-100D	AZ936-1A-100DE

MECHANICAL DATA



Dimensions in inches with metric equivalents in parentheses. Tolerance: ± 0.010 "

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