

AZ760

20 AMP MINIATURE POWER RELAY

FEATURES

- Low cost
- 20 Amp switching
- 60 Amp inrush current
- Class B insulation system
- Quick connect terminals
- Flux tight construction
- UL, CUR file E44211



CONTACTS

Arrangement	SPST (1 Form A)
Ratings	Resistive load: Max. switched power: 600 W or 4400 VA Max. switched current: 20 A Max. switched voltage: 150* VDC or 400 VAC <small>*Note: If switching voltage is greater than 30VDC, special precautions must be taken. Please contact the factory.</small>
Rated Load UL, CUR	20 A at 220 VAC, 100k cycles 1.5 HP 250 VAC, 100k cycles
Material	Silver cadmium oxide
Resistance	< 50 milliohms initially (24 V, 1 A voltage drop method)

GENERAL DATA

Life Expectancy Mechanical Electrical	Minimum operations 1 x 10 ⁷ 1 x 10 ⁵ at 20 A 220 VAC Res.
Operate Time (typical)	15 ms at nominal coil voltage
Release Time (typical)	10 ms at nominal coil voltage (with no coil suppression)
Dielectric Strength (at sea level for 1 min.)	2000 Vrms coil to contact 1000 Vrms between open contacts
Insulation Resistance	1000 megohms min. at 20°C, 500 VDC, 50% RH
Dropout	Greater than 10% of nominal coil voltage
Ambient Temperature Operating Storage	At nominal coil voltage -40°C (-40°F) to 90°C (194°F) -40°C (-40°F) to 130°C (266°F)
Vibration	0.062" DA at 10–55 Hz
Shock Operating Non-Operating	20 g, 11 ms, 1/2 sine (no false operation) 100 g, 11 ms, 1/2 sine (no damage)
Enclosure	P.B.T. polyester
Terminals	Tinned copper alloy P.C. & quick connect Note: Allow suitable slack on leads when wiring, and do not subject the terminals to excessive force.
Max. Solder Temp.	270°C (518°F)
Max. Solder Time	5 seconds
Weight	40 grams

COIL

Power At Pickup Voltage (typical)	441 mW
Max. Continuous Dissipation	3.0 W at 20°C (68°F) ambient
Temperature Rise	35°C (63°F) at nominal coil voltage
Temperature	Max. 130°C (266°F)

NOTES

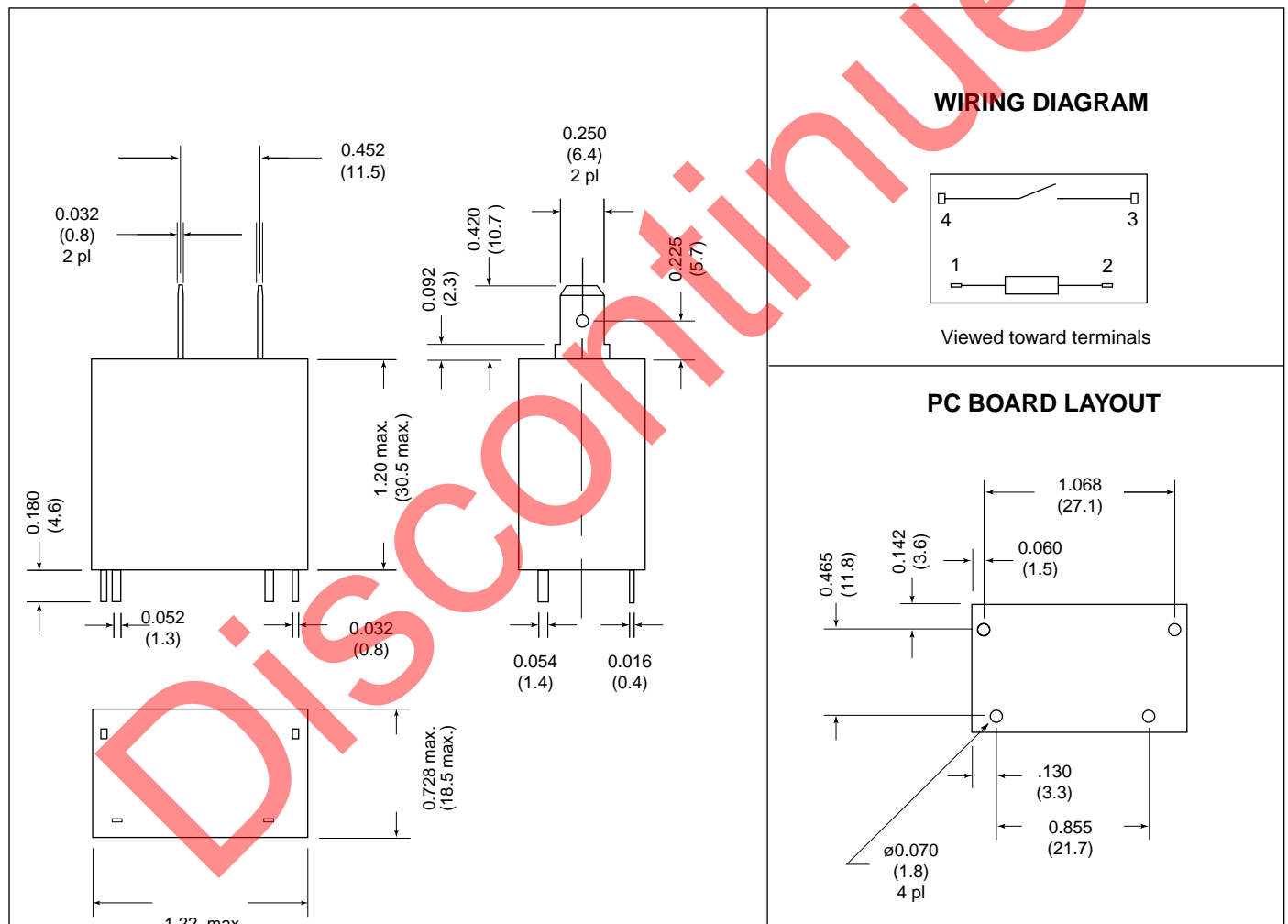
1. All values at 20°C (68°F).
2. Relay may pull in with less than "Must Operate" value.
3. Specifications subject to change without notice.

AZ760

RELAY ORDERING DATA

COIL SPECIFICATIONS				ORDER NUMBER
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance $\pm 10\%$	Form A (SPST)
6	4.2	11.0	40	AZ760-1A-6D
12	8.4	22.0	160	AZ760-1A-12D
24	16.8	43.8	640	AZ760-1A-24D
48	33.6	87.6	2560	AZ760-1A-48D

MECHANICAL DATA



Dimensions in inches with metric equivalents in parentheses. Tolerance: $\pm .010$ "

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This specification provides an overview of the most significant part features. Any individual applications and operating conditions are not taken into consideration. It is recommended to test the product under application conditions. Responsibility for the application remains with the customer. Proper operation and service life cannot be guaranteed if the part is operated outside the specified limits.