AZ2310_

30 AMP MINIATURE POWER RELAY

FEATURES

- Low cost
- 30 Amp switching
- 144 Amp inrush current
- Quick connect terminals
- Creepage distance more than 8 mm
- UL, CUR file E44211



CONTACTS

Arrangement	SPST N.O. (1 Form A)	
Ratings	Resistive load:	
	Max. switched power: 7500 VA Max. switched current: 30 A Max. switched voltage: 250 VAC	
Rated Load		
UL, CUR	30 A at 250 VAC Res. 2 HP 125/250 VAC	
	TV-15 at 120 VAC	
Material	Silver tin oxide	
Resistance	< 30 milliohms initially (24 V, 1 A voltage drop method)	

COIL

Power			
At Pickup Voltage (typical)	588 mW		
Max. Continuous Dissipation	2.0 W at 20°C (68°F) ambient		
Temperature Rise	30°C (54°F) at nominal coil voltage		
Temperature	Max. 105°C (221°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 30 A 240 VAC Res.		
Operate Time (typical)	20 ms at nominal coil voltage		
Release Time (typical)	5 ms at nominal coil voltage (with no coil suppression)		
Dielectric Strength (at sea level for 1min)	4000 Vrms coil to contact 1200 Vrms between open contacts		
Insulation Resistance	1000 megohms min. at 20°C, 500 VDC, 50% RH		
Dropout	Greater than 10% of nominal coil volt age		
Ambient Temperature Operating Storage	At nominal coil voltage -40°C (-40°F) to 70°C (158°F) -40°C (-40°F) to 105°C (221°F)		
Vibration	0.04" DA at 10-55 Hz		
Shock Operating Non-Operating	10 g, 11 ms, ½ sine (no false operation) 100 g, 11 ms, ½ 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.		
Weight	55 grams		



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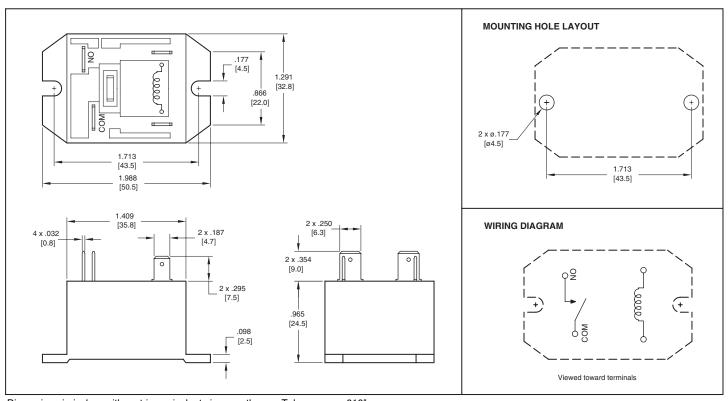
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RELAY ORDERING DATA

	COIL SPECIFICATIONS				
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance ± 10%	Form A (SPST N.O.)	
3	2.1	3.9	7.5	AZ2310-1A-3D	
5	3.5	6.3	20	AZ2310-1A-5D	
6	4.2	7.7	30	AZ2310-1A-6D	
9	6.3	11.6	67	AZ2310-1A-9D	
12	8.4	15.5	120	AZ2310-1A-12D	
24	16.8	31.0	480	AZ2310-1A-24D	
48	33.6	62.0	1920	AZ2310-1A-48D	
60	42.2	77.5	3000	AZ2310-1A-60D	

MECHANICAL DATA



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