# AZ723

# MINIATURE POWER RELAY

## FEATURES

- AC coils
- Dielectric strength 5000 Vrms
- Low cost
- Flux tight package
- 8 Amp switching double pole contacts
- Isolation spacing greater than 8mm
- Molded materials: all 94V-0
- UL, CUR file E43203
- TÜV file R50008783

### CONTACTS

Arrangement	DPDT (2 Form C)		
Ratings	Resistive load: Max. switched power: 240 W, 2216 VA		
	Max. switched current: 8 A Max. switched voltage: 150 VDC/400 VAC		
	Inductive load: (cosø =0.4) Max. switched power: 90W or 500VA Max. Switched current: 5A Max. switched voltage: 125VDC or 400 VAC Note: If switching voltage is greater than 30 VDC, special precautions must be taken. Please contact the factory.		
Rated Load UL, CUR	8 A 277 VAC, resistive 8 A 30 VDC resistive <sup>1/</sup> 3 HP 240 VAC		
τϋν	5 A at 250 VAC, resistive 5 A at 30 VDC, resistive		
Material	Silver cadmium oxide		
Resistance	30 milliohms initially (6V, 1A method)		

### COIL

Power At Pickup Voltage (typical)	576 mW
Max. Continuous Dissipation	1.5 W at 20°C (68°F) ambient 1.2 W at 40°C (104°F) ambient
Temperature Rise	36°C (97°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.



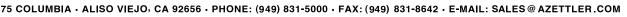
# AMERICAN ZETTLER, INC.

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#### **GENERAL DATA**

Life Expectancy	Minimum operations			
Mechanical	1 x 10 <sup>7</sup>			
Electrical	1 x 10⁵ at 5 A 240 VAC Res.			
Operate Time (typical)	8 ms at nominal coil voltage			
Release Time (typical)	5 ms at nominal coil voltage			
	(with no coil suppression)			
Dielectric Strength	5000 Vrms coil to contact			
(at sea level for 1 min.)	3000 Vrms between contact sets			
	1000 Vrms between open contacts			
Insulation	1000 megohms min. at 20°C,			
Resistance	500 VDC 50% RH			
Dropout	Greater than 30%			
Diopour	of nominal coil voltage			
Ambient Temperature	At nominal coil voltage			
Operating Storage	-40°C (-40°F) to 70°C (158°F) -40°C (-40°F) to 105°C (221°F)			
Vibration	0.062" DA at 10–55 Hz			
Shock	10 g			
Enclosure	PC (94V-0)			
Terminals	Tinned copper alloy, P.C.			
Max. Solder Temp.	270°C (518°F)			
Max. Solder Time	5 seconds			
Weight	17 grams			



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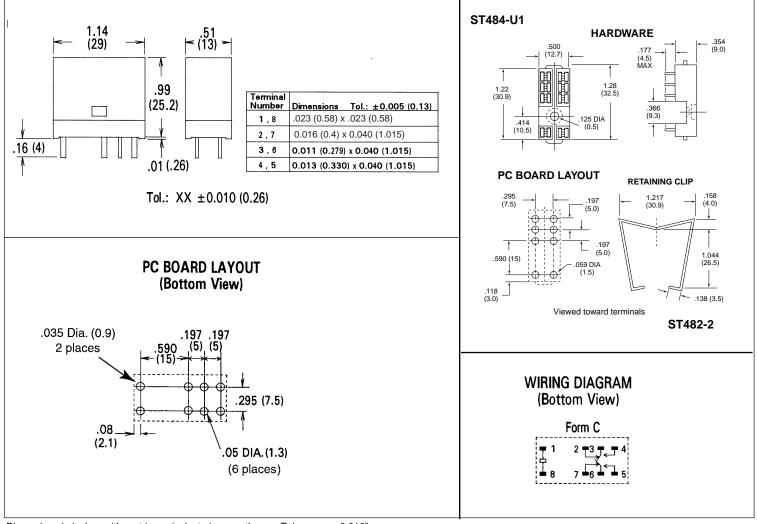
### **RELAY ORDERING DATA**

COIL SPECIFICATIONS - AC Coil					ORDER NUMBER
Nominal Coil VAC	Must Operate VAC	Max. Continuous VAC	Nominal Current mA ±10%	Coil Resistance ±10%	Form C (DPDT)
6	4.8	7.8	150.0	16	AZ723-2C-6A
12	9.6	15.6	75.0	65	AZ723-2C-12A
24	19.2	31.2	37.5	260	AZ723-2C-24A
50	40.0	65.0	18.0	1130	AZ723-2C-50A
110	88.0	143.0	10.6	4600	AZ723-2C-110A
220	176.0	286.0	5.3	20200	AZ723-2C-220A
230	184.0	299.0	3.6	24900	AZ723-2C-230A

### HARDWARE ORDERING DATA

DESCRIPTION	ORDER NUMBER	DESCRIPTION	ORDER NUMBER
Socket	ST484–U1	Retainer	ST482–2

### **MECHANICAL DATA**



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



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