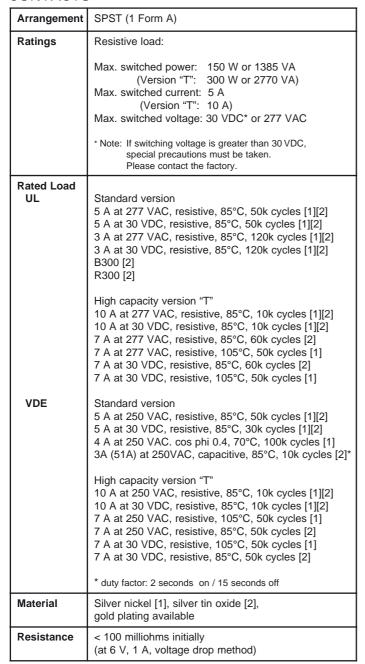
# SENSITIVE SUBMINIATURE RELAY

#### **FEATURES**

- Thin vertical profile, only 7 mm wide
- High sensitivity, 113 mW pickup
- Dielectric strength 4000 Vrms
- > 5,5 mm clearance and creepage
- 5 Amp switching capability (version "T" 10 Amp)
- Two different footprints available
- Reinforced insulation (VDE 0700, 0631)
- UL, CUR file E44211
- VDE certificate 40030746

### CONTACTS





### GENERAL DATA

Life Expectancy Mechanical	Minimum operations 5 million operations	
	o milion operations	
Standard version  Electrical		
Electrical	1 x 10 <sup>5</sup> at 5 A, 250 VAC res. [1]	
	5 x 10 <sup>4</sup> at 5 A, 250 VAC res. [2]	
High capacity version "T"		
Electrical	1 x 10 <sup>5</sup> at 7 A, 250 VAC res. [1]	
	1 x 10 <sup>4</sup> at 10 A, 250 VAC res. [1][2]	
	3 x 10 <sup>4</sup> at 7 A, 250 VAC res. [2]	
Operate Time (typical)	6 ms at nominal coil voltage	
Release Time (typical)	3 ms at nominal coil voltage (with no coil suppression)	
Dielectric Strength (at sea level for 1 min.)	4000 Vrms coil to contact 1000 Vrms between open contacts	
Surge Voltage Coil to contact	10,000 V (at 1.2x50 μs)	
Insulation Resistance	1000 megohms min. at 20°C, 500 VDC, 50% RH	
Dropout	Greater than 5% of nominal coil voltage	
Ambient Temperature Operating	At nominal coil voltage -40°C (-40°F) to 85°C (185°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	3 grams	

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# AZ9371\_\_

### COIL

Power At Pickup Voltage (typical)	113 mW	
Max. Continuous Dissipation	750 mW at 20°C (68°F) ambient	
Temperature Rise	26°C (47°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. Mounting position "terminals upside" is not recommended, if an electrical or mechanical life of > 100,000 operations is required.
- 4. Specifications subject to change without notice.

### **RELAY ORDERING DATA**

COIL SPECIFICATIONS					
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance Ohm ± 10%	ORDER NUMBER	
3	2.25	5.8	45	AZ9371-1A-3D	
5	3.75	9.7	125	AZ9371-1A-5D	
6	4.50	11.6	180	AZ9371-1A-6D	
9	6.75	17.4	405	AZ9371-1A-9D	
12	9.00	23.2	720	AZ9371-1A-12D	
18	13.50	34.8	1,620	AZ9371-1A-18D	
24	18.00	46.5	2,880	AZ9371-1A-24D	

<sup>\* &</sup>quot;1A" denote silver nickel contacts.

Add suffix "E" to "1A" for silver tin oxide contacts.

Add suffix "T" after "AZ9371" for high capacity version.

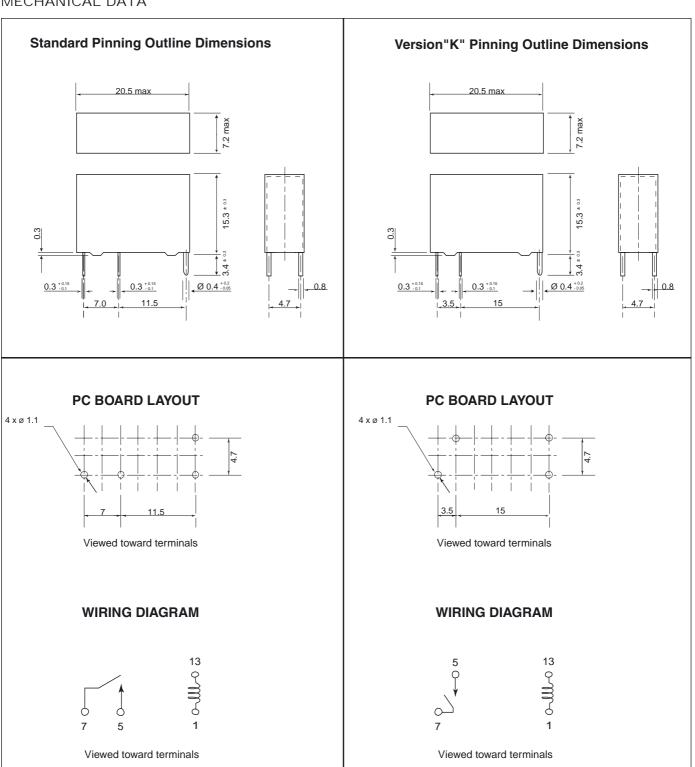
Add suffix "E" for sealed version.

Add suffix "K" for different footprint

Add suffix "G" at the end of order number for gold plated contacts.

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## MECHANICAL DATA



Attention! Grid is not 0.1" (2.54 mm)!!