AZ766_

SPST SUBMINIATURE POWER RELAY

FEATURES

- Small footprint
- · Low seated height
- Low cost
- Epoxy sealed version available
- 12 Amp switching
- UL, CUR file E44211



CONTACTS

Arrangement	SPST (1 Form A)			
Ratings	Resistive load:			
	Max. switched power: 300 W or 2770 VA Max. switched current: 13.5 A Max. switched voltage: 150 VDC* 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	13.5 A at 125 VAC 12 A at 125 VAC, general use, 100k cycles 10 A at 277 VAC / 30 VDC, 100k cycles TV–5 ¹ / ₄ HP at 125 VAC / 250 VAC			
Material	Silver tin oxide			
Resistance	< 50 milliohms initially			

COIL

Power			
At Pickup Voltage (typical)	253 mW		
Max. Continuous Dissipation	1.3 W at 20°C (68°F) ambient		
Temperature Rise	39°C (70°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.

GENERAL DATA

Life Expectancy Mechanical Electrical	Minimum operations 1 x 10 ⁷ 1 x 10 ⁵ at 12 A 125 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 (at sea level for 1 min.)	2500 Vrms coil to contact 1000 Vrms between open contacts				
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 85°C (188°F) -40°C (-40°F) to 105°C (221°F)				
Vibration	0.040" (1.0 mm) DA at 10–50 Hz				
Shock	10 g operating, 100 g damage				
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	6 grams				
Packing unit in pcs	50 per plastic tube / 1500 per carton box				

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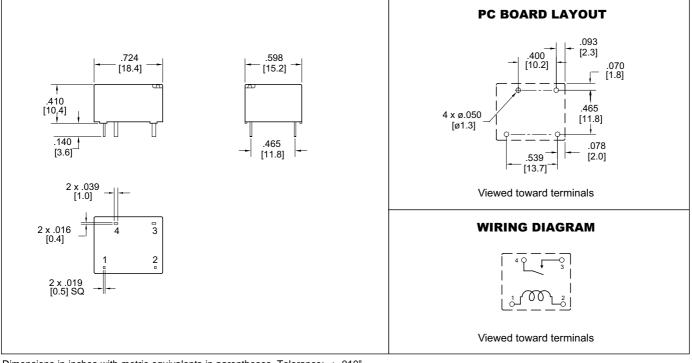
Junkersstrasse 3, D-82178 Puchheim, Germany

Tel. +49 89 800 97 0 Fax +49 89 800 97 200

REWAY ORDERING DATA

COIL SPECIFICATIONS			ORDER NUMBER		
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance Ohm ± 10%	Unsealed	Sealed
3	2.25	5.0	20	AZ766–1A–3D	AZ766–1A–3DE
5	3.75	8.4	55	AZ766–1A–5D	AZ766-1A-5DE
6	4.5	10.2	80	AZ766–1A–6D	AZ766–1A–6DE
9	6.75	15.3	180	AZ766–1A–9D	AZ766-1A-9DE
12	9.0	20.4	320	AZ766–1A–12D	AZ766–1A–12DE
18	13.5	30.6	720	AZ766–1A–18D	AZ766–1A–18DE
24	18.0	40.8	1,280	AZ766–1A–24D	AZ766–1A–24DE

MECHANICAL DATA



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

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Tel. +49 89 800 97 0 Fax +49 89 800 97 200 office@ZETTLERelectronics.com www.ZETTLERelectronics.com www.DataSneet4U.com 2004-08-22