AZ762T

16 AMP HIGH INRUSH MINIATURE POWER RELAY

FEATURES

- Dielectric strength 5000 Vrms
- Low height: 15.7 mm
- 16 Amp switching
- Tungsten premake contact for extrem high inrush
- Isolation spacing greater than 10 mm
- Reinforced insulation, EN 60730-1 (VDE 0631, part 1) EN 60335-1 (VDE 0700, part 1)
- UL, CUR file E44211
- VDE certificate 40006031

CONTACTS

Arrangement	SPST (1 Form A)
Ratings	Resistive load: Max. switched power: 4000 VA Max. switched current: 16 A Max. inrush current: 165 A , 20 ms 800 A, 200 µs Max. switched voltage: 440 VAC
Rated Load **UL, CUR**	16 A at 277 VAC, general use, 10k cycles, 85°C 2.2 A at 277 VAC, standard ballast, 10k cycles, 50°C 3000 W at 230 VAC, tungsten, 12k cycles, 40°C 1200 W at 277 VAC, tungsten, 6k cycles, 50°C 1200 W at 120 VAC, tungsten, 6k cycles, 50°C TV-8 at 120 VAC, 25k cycles, 40°C
VDE	16 A at 250 VAC resistive, 30k cycles, 85°C
Material	Silver tin oxide + tungsten
Resistance	< 100 milliohms initially

COIL

Power	
At Pickup Voltage (typical)	196 mW (235 mW at 60 V and 110 V)
Max. Continuous Dissipation	0.9 W at 20°C (68°F) ambient
Temperature Rise	26°C (47°F) at nominal coil voltage
Temperature	Max. 130°C (266°F) Class B Max. 155°C (311°F) Class F

GENERAL DATA

Life Expectancy **Mechanical** **Electrical**	Minimum operations 5×10^6 1×10^4
Operate Time (max)	15 ms at nominal coil voltage
Release Time (max)	8ms at nominal coil voltage (with no coil suppression)
Dielectric Strength (at sea level for 1 min.)	5000 Vrms coil to contact 1250 Vrms between open contacts
Insulation Resistance	1000 megaohms min. at 20°C 500 VDC 50% RH
Insulation (according to DIN VDE 0110, IEC 60664-1)	C250 Overvoltage category: III Pollution degree: 3 Nominal voltage: 250 VAC
Dropout	Greater than 10% 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	13.5 grams
Packing unit in pcs.	50 per tray / 500 per carton box

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. *www.azettler.com*

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10/2/14

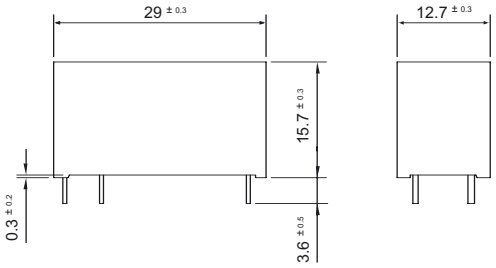
AZ762T

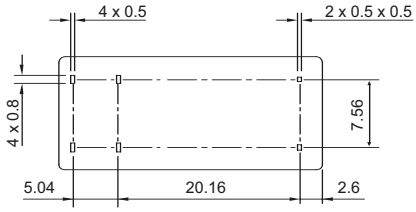
RELAY ORDERING DATA

COIL SPECIFICATION - DC COIL				ORDER NUMBER*
Nominal Coil VDC	**Must Operate VDC**	**Max. Continuous VDC**	**Coil Resistance Ohm**	**1 Form A**
5	3.5	7.5	62 ±10%	AZ762T-1AE-5D
6	4.2	9	90 ±10%	AZ762T-1AE-6D
9	6.3	13.5	202 ±10%	AZ762T-1AE-9D
12	8.4	18	360 ±10%	AZ762T-1AE-12D
18	12.6	27	810 ±10%	AZ762T-1AE-18D
24	16.8	36	1,440 ±10%	AZ762T-1AE-24D
48	33.6	72	5,760 ±15%	AZ762T-1AE-48D
60	42.0	90	7,500 ±15%	AZ762T-1AE-60D
110	77.0	165	25,200 ±15%	AZ762T-1AE-110D

* "1AE" denote silver tin oxide contacts with tungsten premake contact.
Add suffix "E" at the end of the order number for sealed version.
Add suffix "F" at the end of the order number for Class F insulation system.

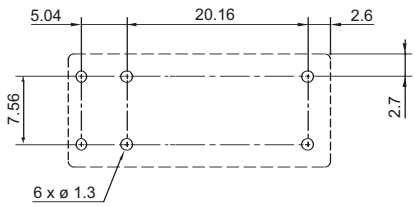
MECHANICAL DATA





Dimensions in mm. Tolerance: ± 0.25 mm

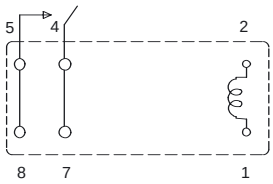
PC BOARD LAYOUT



Viewed toward terminals

WIRING DIAGRAM

1 Form A



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