

AZ962

10 AMP MINIATURE PC BOARD RELAY



FEATURES

- Extremely low cost
- High CTI (300) version available
- Class F insulation (155°C) standard
- UL, CUR file E44211
- VDE file 40004578

CONTACTS

Arrangement	SPST (1 Form A) SPDT (1 Form C)
Ratings	Form A and C Max. switched power: 2500 VA Max. switched current: 10 A AC Max. switched voltage: 415 VAC
UL/CUR	1 Form A - Standard and High CTI 10 A at 250 VAC, General Purpose, 20k cycles 6 A at 415 VAC, Resistive 1/10 HP at 120 VAC 1/4 HP at 240 VAC
VDE	1 Form C - Standard and High CTI 10 A (N.O.), 5 A (N.C.) at 120 VAC, General Purpose, 25k cycles 1 Form C - Standard and High CTI at 85°C 10 A (N.O.), 3 A (N.C.) at 250 VAC, 30k cycles
Material	Silver nickel
Resistance	< 100 milliohms initially (24 V, 1 A method)

COIL

Power	
At Pickup Voltage	200 mW
Max Continuous Dissipation	1.8 W at 20°C (68°F) Class F 1.2 W at 20°C (68°F) Class A
Temperature Rise	33°C (59.4°F) at nominal coil voltage
Temperature	Max. 155°C (311°F) Class F Max. 105°C (221°F) Class A

GENERAL DATA

Life Expectancy	
Mechanical	5 x 10 ⁶
Electrical	2.5 x 10 ⁴ at 10 A 250 VAC Res.
Operate Time (Typical)	15 ms
Release Time (Typical)	10 ms (with no coil suppression)
Dielectric Strength (at sea level for 1 min.)	2500 Vrms contact to coil 1000 Vrms across contacts
Insulation Resistance	100 megohms min. at 500 VDC, 50% RH
Dropout	Greater than 10% of nominal coil voltage
Ambient Temperature	At nominal coil voltage
Operating	-40°C(-40°F) to 85°C (185°F) High CTI -40°C(-40°F) to 85°C (185°F) Standard
Storage	-40°C(-40°F) to 105°C (221°F) High CTI -40°C(-40°F) to 155°C (311°F) Standard
Vibration	>4g at 30-400 Hz
Shock	>10g (functional) >30g (destructive)
Enclosure	P.E.T. polyester
Terminals	Tinned copper alloy, P.C.
Max. Solder Temp.	260°C (500°F)
Max. Solder Time	5 seconds
Weight	5.4 g

NOTES

1. All values at 20°C (68°F).
2. Relay may pull in with less than "Must Operate" value.
3. Unsealed relays should not be dip cleaned.
4. Specifications subject to change without notice.



AMERICAN ZETTLER, INC.

www.azettler.com

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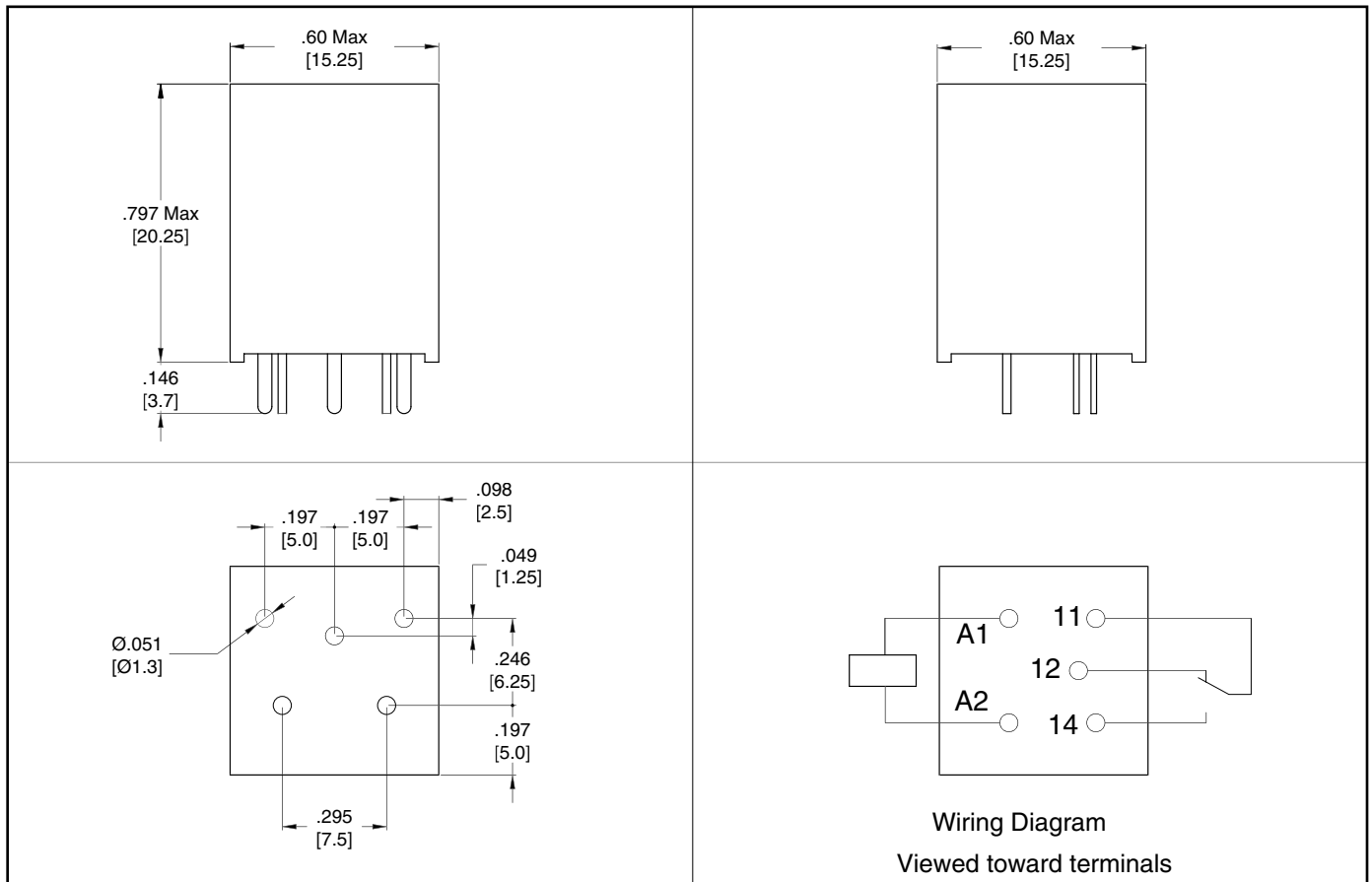
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AZ962

RELAY ORDERING DATA

STANDARD RELAYS – CLASS F INSULATION, CTI 250				ORDER NUMBER	
COIL SPECIFICATIONS				ORDER NUMBER	
Nominal Coil VDC	Max. Continuous VDC	Coil Resistance $\pm 10\%$	Must Operate VDC	1 Form A	1 Form C
6	13.5	100	4.5	AZ962-1A-6DF	AZ962-1C-6DF
12	27.0	400	9.0	AZ962-1A-12DF	AZ962-1C-12DF
24	54.0	1600	18.0	AZ962-1A-24DF	AZ962-1C-24DF
HIGH CTI RELAYS – CLASS A INSULATION, CTI 300				ORDER NUMBER	
COIL SPECIFICATIONS				ORDER NUMBER	
Nominal Coil VDC	Max. Continuous VDC	Coil Resistance $\pm 10\%$	Must Operate VDC	1 Form A	1 Form C
6	11.0	100	4.5	AZ962-1A-6DH	AZ962-1C-6DH
12	22.0	400	9.0	AZ962-1A-12DH	AZ962-1C-12DH
24	44.0	1600	18.0	AZ962-1A-24DH	AZ962-1C-24DH

MECHANICAL DATA



Dimensions in inches with metric equivalents in parentheses. Tolerance: $\pm .010$ "



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