

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 Electrical	5 x 10 ⁶ 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 Operating Storage	At nominal coil voltage -40°C(-40°F) to 85°C (185°F) High CTI -40°C(-40°F) to 85°C (185°F) Standard -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

75 COLUMBIA - ALISO VIEJO, CA 92656 - PHONE: (949) 831-5000 - FAX: (949) 831-8642 - E-MAIL: SALES@AZETTLER.COM

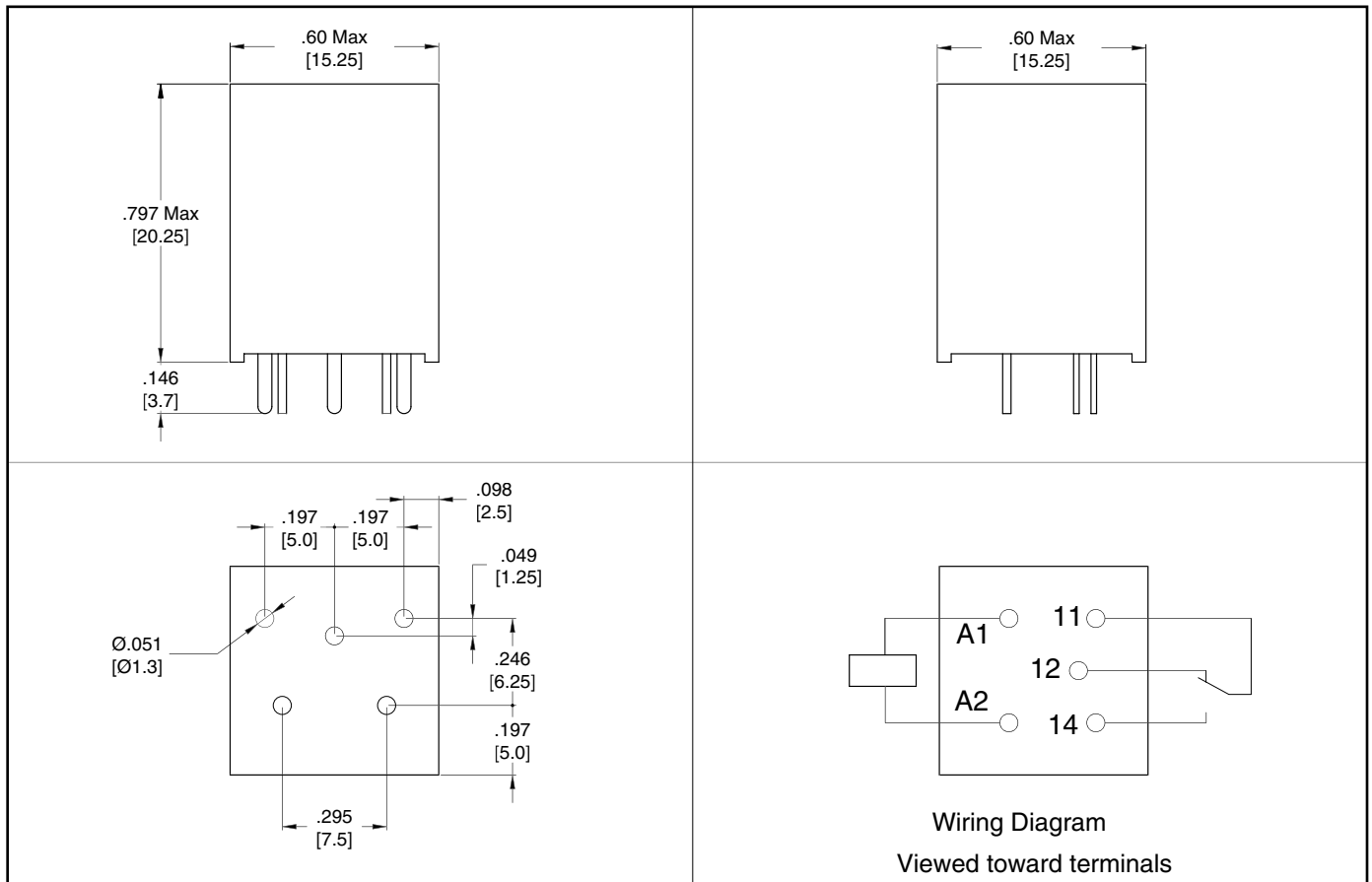
04/18/05W

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: $\pm .010$ "



AMERICAN ZETTLER, INC.

www.azettler.com

75 COLUMBIA - ALISO VIEJO, CA 92656 - PHONE: (949) 831-5000 - FAX: (949) 831-8642 - E-MAIL: SALES@AZETTLER.COM