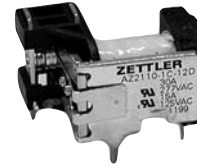


AZ21101

40 AMP MINIATURE POWER RELAY

FEATURES

- Up to 40 Amp switching
- Form A, B and C contacts available
- Class F temperature rating available
- UL, CUR file E44211
- TÜV Pending



CONTACTS

Arrangement	SPST (1 Form A, or B) SPDT (1 Form C)
Ratings	Resistive load: Max. switched power: 1100 W or 7200 VA Max. switched current: 40 A (Form A) Max. switched voltage: 300 VAC, 110 VDC
UL, CUR	NO: 40A at 240 VAC 30 A General Purpose 2HP at 250 VAC, 277 VAC
TÜV	NC: 30 A at 240 VAC, 30A at 30 VDC 20 A General Purpose 1 1/2 HP at 250 VAC, 277 VAC
Material	Silver cadmium oxide [1], silver tin oxide [2]
Resistance	< 50 milliohms initially (24 V, 1 A voltage drop method)

COIL

Power At Pickup Voltage (typical)	DC: 500 mW AC: 1.4 VA
Max. Continuous Dissipation	DC: 1.7 W at 20°C AC: 2.7 VA at 20°C
Max. Temperature	Max. 130°C (266°F) Class B Max. 155°C (311°F) Class F

GENERAL DATA

Life Expectancy Mechanical Electrical	Minimum operations 1 x 10 ⁷ 1 x 10 ⁵ at 30 A 120 VAC Res.
Operate Time	15 msec max. at nominal coil voltage
Release Time	10 msec max. at nominal coil voltage (without suppression)
Dielectric Strength (at sea level for 1 min.)	1500 Vrms contact to contact 2500 Vrms contact to coil 4000 Vrms contact to coil "T" version
Insulation Resistance	1000 megohms min. at 20°C, 500 VDC 50% RH
Dropout	DC: > 10% of nominal coil voltage AC: > 30% of nominal coil voltage
Ambient Temperature Operating Storage	-55°C (-67°F) to 100°C (212°F) Class B -55°C (-67°F) to 130°C (266°F) Class B -55°C (-67°F) to 125°C (257°F) Class F -55°C (-67°F) to 155°C (311°F) Class F
Vibration	0.062" 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
Weight	27 grams

NOTES

1. All values at 20°C (68°F).
2. Relay may pull in with less than "Must Operate" value.
3. Other coil resistances and sensitivities available upon request. Please contact the factory.
4. Specifications subject to change without notice.



AMERICAN ZETTLER, INC.

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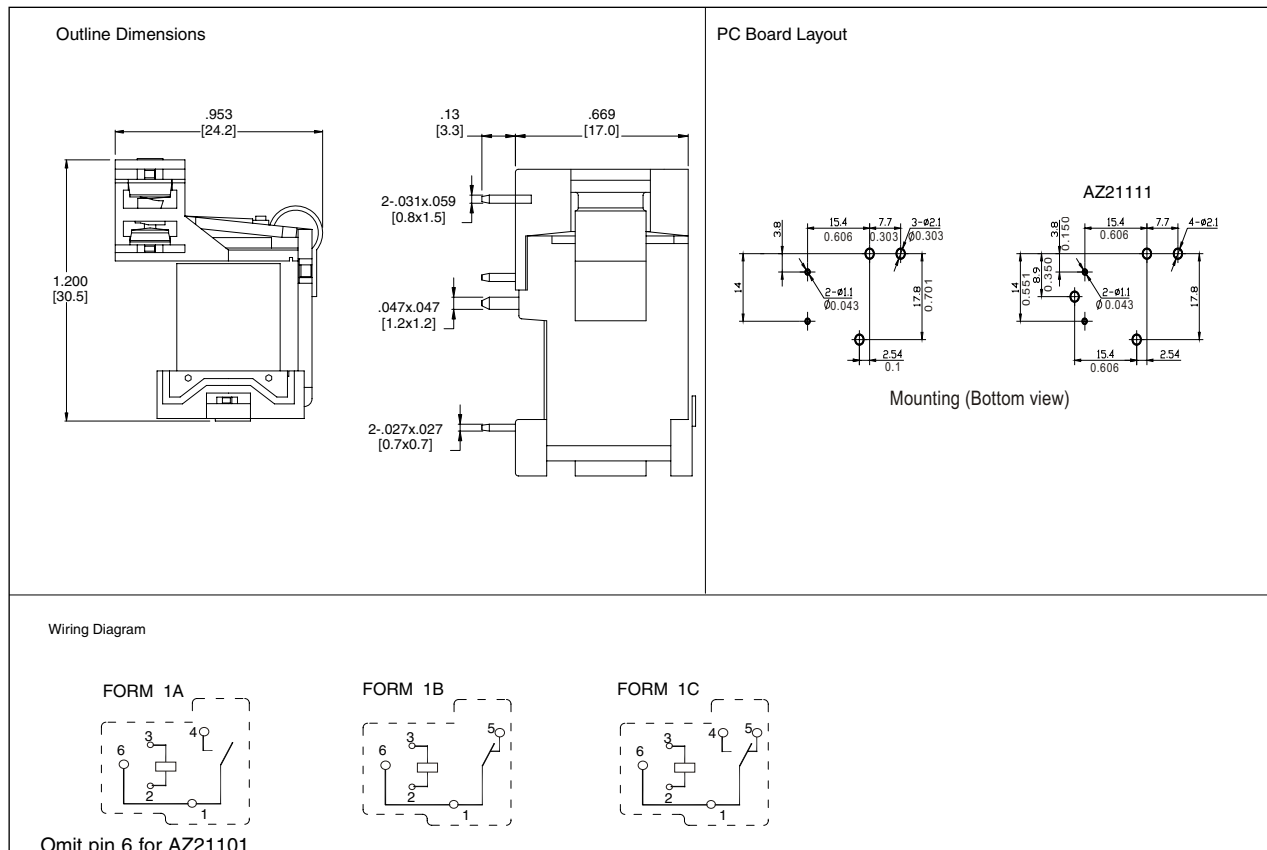
AZ21101

RELAY ORDERING DATA

COIL SPECIFICATIONS – DC Coil					ORDER NUMBER*
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Nominal Current mA ± 10%	Coil Resistance ± 10%	
3	2.25	3.9	300	10	AZ21101-1A-3D
5	3.75	6.5	179	28	AZ21101-1A-5D
6	4.50	7.8	150	40	AZ21101-1A-6D
9	6.75	11.7	100	90	AZ21101-1A-9D
12	9.00	15.6	75	160	AZ21101-1A-12D
15	10.25	19.5	60	250	AZ21101-1A-15D
18	13.5	23.4	50	360	AZ21101-1A-18D
24	18.0	31.2	38	640	AZ21101-1A-24D
48	36.0	62.4	19	2,560	AZ21101-1A-48D
110	82.50	143	8	13,445	AZ21101-1A-110D
COIL SPECIFICATIONS – AC Coil 50/60 Hz					ORDER NUMBER*
Nominal Coil VAC	Must Operate VAC	Max. Continuous VAC	Nominal Coil Power VA	Coil Resistance ± 10%	
12	9	15.6	2.0	27	AZ21101-1A-12A
24	18	31.2	2.0	120	AZ21101-1A-24A
120	90	156	2.0	3,040	AZ21101-1A-120A
220	165	286	2.0	13,490	AZ21101-1A-240A

*Substitute "-1B" or "-1C" in place of "-1A" for 1 Form B or 1 Form C respectively. For silver tin oxide contacts substitute "-1AE" or "-1CE" in place of "-1A" or "-1C." To indicate class F version, add suffix "F". Substitute "DE" or "AE" in place of "D" or "A" for epoxy sealed version. Use AZ21111 for Pin 6 style.

MECHANICAL DATA



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



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