AZ7671

10 AMP SUBMINIATURE POWER RELAY



FEATURES

- Small footprint
- Low cost
- Epoxy sealed version available
- 10 Amp switching
- UL, CUR E44211
- TuV pending

CONTACTS

Arrangement	SPST (1 Form A) SPDT (1 Form C)
Ratings	Resistive load: Max. switched power: 150 W 1250 VA Max. switched current: 10 A Max. switched voltage: 30 VDC or 277 VAC *Note: If switching voltage is greater than 30 VDC, special precautions must be taken. Please contact the factory.
Rated Load **UL, CUR**	5A at 250 VAC 10A at 125 VAC 4.2 A at 277 VAC 1/4 HP at 120/240/277 VAC TV - 5 at 120 VAC Pilot Duty at 24 VA, 24 VAC 125 VA at 120/240/277 VAC C150 at 120 VAC
TUV	5A at 250 VAC 5A at 28 VDC
Material	silver nickel
Resistance	<100 milliohms initially (24 V, 1 A voltage drop method)

GENERAL DATA

Life Expectancy **Mechanical** **Electrical**	Minimum operations 1 x 10^7 1 x 10^5 at 5 A 240 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.)**	4000 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 70°C (158°F), standard -40°C (-40°F) to 130°C (266°F)
Vibration	0.062" DA at 10–50 Hz
Shock	100g for 11ms 1/2 sine pulse
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

COIL

Power	
At Pickup Voltage (typical)	253 mW standard 113 mW sensitive
Max. Continuous Dissipation	1.25 W at 20°C (68°F) ambient
Temperature Rise	41°C (74°F) at nominal coil voltage, standard 22°C (40°F) at nominal coil voltage, sensitive
Temperature	Max. 105°C (221°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.

AMERICAN ZETTLER, INC. *www.azettler.com*

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10/2/08 W

AZ7671

RELAY ORDERING DATA

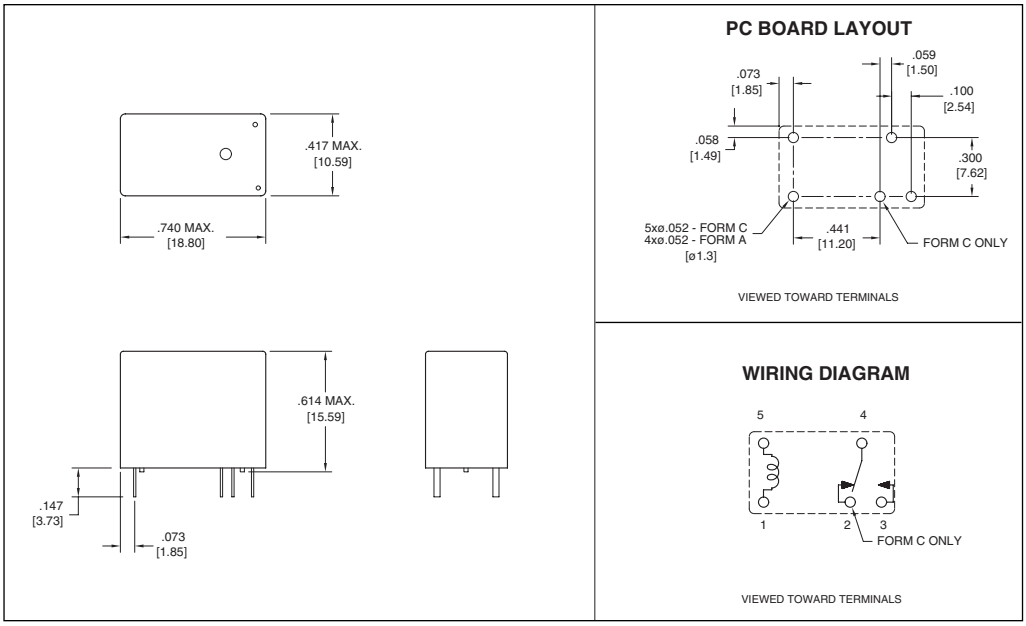
STANDARD RELAYS					
COIL SPECIFICATIONS				ORDER NUMBER*	
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance ± 10%	Form A (SPST)	Form C (SPDT)
3	2.25	3.9	20	AZ7671–1A–3D	AZ7671–1C–3D
5	3.75	6.5	55	AZ7671–1A–5D	AZ7671–1C–5D
6	4.5	7.8	80	AZ7671–1A–6D	AZ7671–1C–6D
9	6.75	11.7	180	AZ7671–1A–9D	AZ7671–1C–9D
12	9.0	15.6	320	AZ7671–1A–12D	AZ7671–1C–12D
18	13.5	23.4	720	AZ7671–1A–18D	AZ7671–1C–18D
24	18.0	31.2	1,280	AZ7671–1A–24D	AZ7671–1C–24D

*Add suffix “E” for epoxy sealed version.

SENSITIVE RELAYS				
	COIL SPECIFICATIONS			ORDER NUMBER*
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance ± 10%	Form A (SPST)
3	2.25	3.9	45	AZ7671–1A–3DS
5	3.75	6.5	125	AZ7671–1A–5DS
6	4.5	7.8	180	AZ7671–1A–6DS
9	6.75	11.7	400	AZ7671–1A–9DS
12	9.0	15.6	720	AZ7671–1A–12DS
18	13.5	23.4	1600	AZ7671–1A–18DS
24	18.0	31.2	2800	AZ7671–1A–24DS

*Add suffix “E” for epoxy sealed version.

MECHANICAL DATA



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

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