

AZ7621

16 A MINIATURE POWER RELAY

FEATURES

- Dielectric strength 5000 Vrms
- Low cost
- Epoxy sealed versions available
- 16 Amp switching
- UL, CUR E44211
- TUV Pending



CONTACTS

Arrangement	SPDT (1 Form C) SPST (1 Form A)
Ratings	Resistive load: Max. switched power: 480 W or 4000 VA Max. switched current: 16 A Max. switched voltage: 125* VDC or 440 VAC <small>*Note: If switching voltage is greater than 30VDC, special precautions must be taken. Please contact the factory.</small>
Rated Load UL, CUR	16A 250Vac, resistive 100K cycles 85°C 12 A at 30 VDC resistive 100K cycles 85°C
TUV	16 A at 250 VAC resistive
Material	Silver tin oxide. Gold plating available.
Resistance	< 50 milliohms initially (using 6 V, 1 A method)

COIL

Power At Pickup Voltage (typical)	196 mW, (form A only)
Max. Continuous Dissipation Temperature Rise	1.7 W at 20°C (68°F) ambient 26°C (47°F) at nominal coil voltage
Max. Temperature	105°C (221°F)

GENERAL DATA

Life Expectancy Mechanical Electrical	Minimum operations 1 x 10 ⁷ 1 x 10 ⁵ at 16A 250 VAC Res.
Operate Time (typical)	7 ms at nominal coil voltage
Release Time (typical)	3 ms at nominal coil voltage (with no coil suppression)
Dielectric Strength (at sea level for 1 min.)	5000 Vrms coil to contact 1000 Vrms between open contacts
Insulation Resistance	1000 megohms min. at 20°C 500 VDC 50% RH
Dropout	Greater than 10% of nominal coil voltage (DC)
Ambient Temperature Operating Storage	At nominal coil voltage -40°C (-40°F) to 85°C (185°F) -40°C (-40°F) to 130°C (266°F)
Vibration	0.062" DA at 10–55 Hz
Shock	100m/s ² 11ms
Enclosure	P.B.T. polyester
Terminals	Tinned copper alloy, P.C.
Max. Solder Temp.	235°C (455°F)
Max. Solder Time	3.5 seconds
Max. Solvent Temp.	80°C (176°F)
Max. Immersion Time	30 seconds
Weight	11 grams

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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RELAY ORDERING DATA

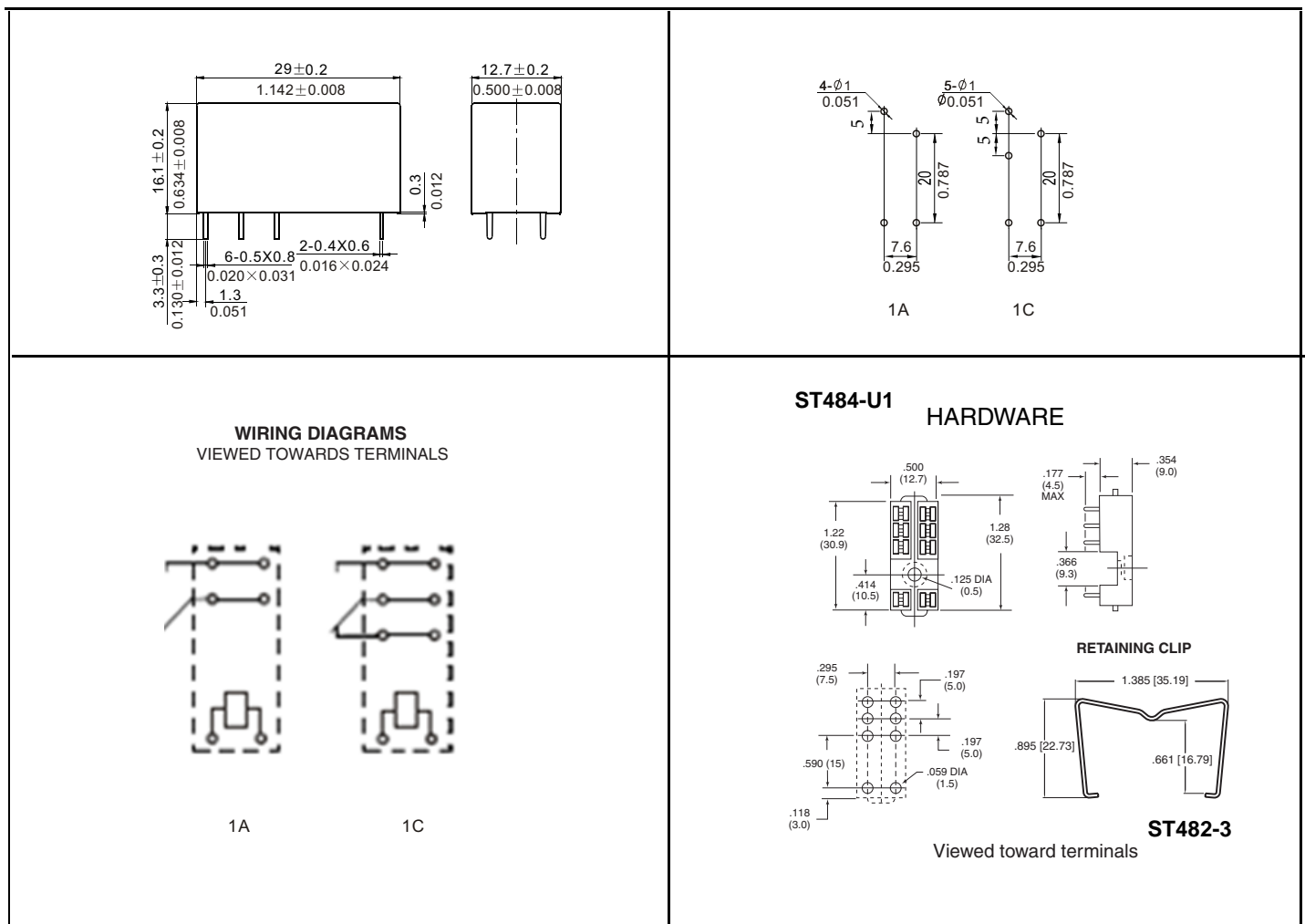
COIL SPECIFICATIONS – 12 A RATING - DC COIL				ORDER NUMBER*	
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance $\pm 10\%$	Unsealed	Sealed
5	3.5	6.5	61	AZ7621-1C-5D	AZ7621-1C-5DE
6	4.2	7.8	88	AZ7621-1C-6D	AZ7621-1C-6DE
9	6.3	11.7	198	AZ7621-1C-9D	AZ7621-1C-9DE
12	8.4	15.6	351	AZ7621-1C-12D	AZ7621-1C-12DE
24	16.8	31.2	1,405	AZ7621-1C-24D	AZ7621-1C-24DE
48	33.6	62.4	5,620	AZ7621-1C-48D	AZ7621-1C-48DE

* Substitute "1A" in place of "1C" for Form A respectively. Add suffix "A" for gold plated contacts.

HARDWARE ORDERING DATA

DESCRIPTION	ORDER NUMBER	DESCRIPTION	ORDER NUMBER
Socket	ST482-U1	Retainer	ST482-3

MECHANICAL DATA



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

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