

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 *Note: If switching voltage is greater than 30VDC, special precautions must be taken. Please contact the factory.
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.

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RELAY ORDERING DATA

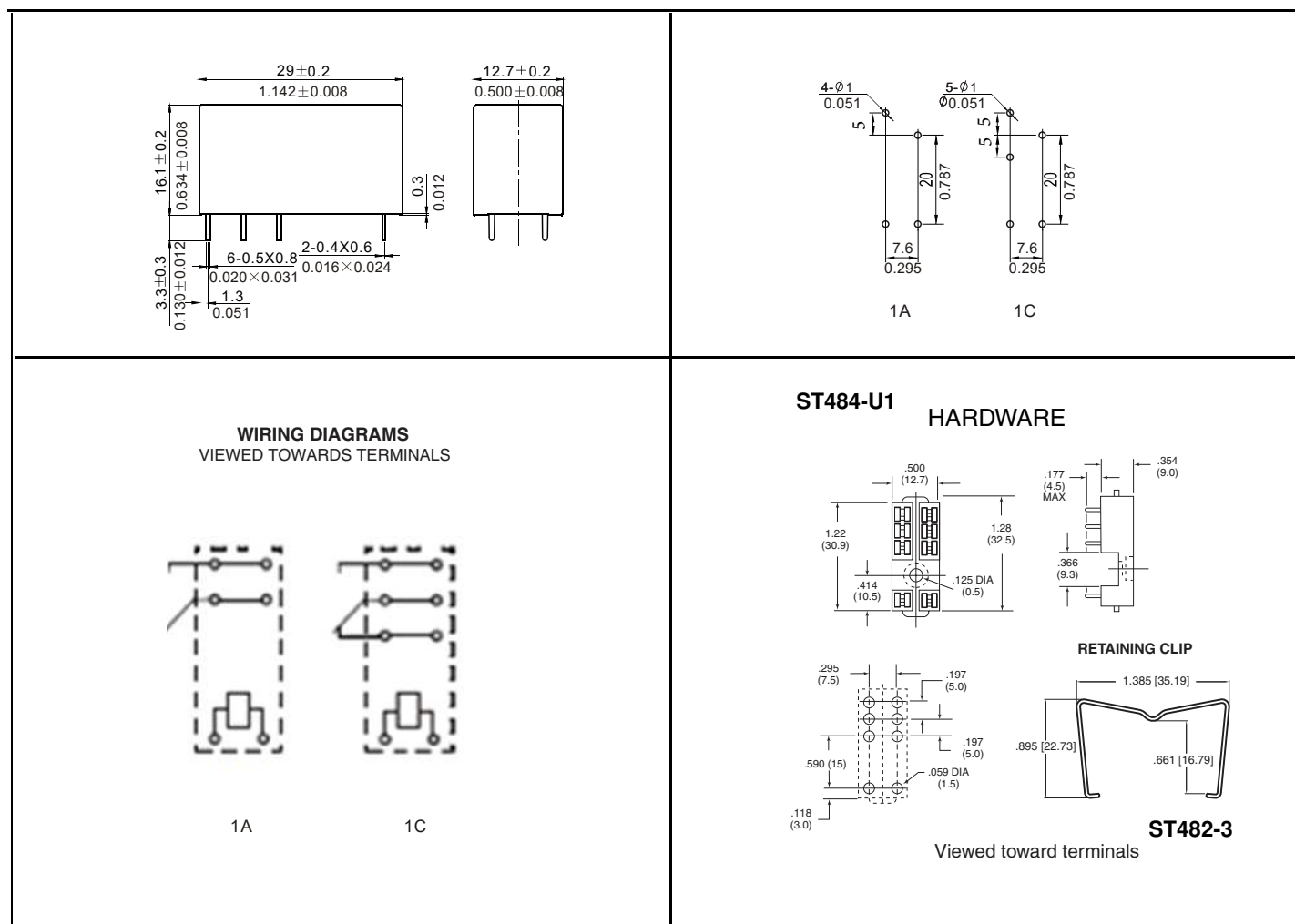
COIL SPECIFICATIONS – 12 A RATING - DC COIL				ORDER NUMBER*	
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance $\pm 10\%$	Unsealed	Sealed
5	3.5	6.5	61	AZ7621-1C-5D	AZ7621-1C-5DE
6	4.2	7.8	88	AZ7621-1C-6D	AZ7621-1C-6DE
9	6.3	11.7	198	AZ7621-1C-9D	AZ7621-1C-9DE
12	8.4	15.6	351	AZ7621-1C-12D	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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PHONE: (949) 831-5000

www.azettler.com

E-MAIL: SALES@AZETTLER.COM

This specification provides an overview of the most significant part features. Any individual applications and operating conditions are not taken into consideration. It is recommended to test the product under application conditions. Responsibility for the application remains with the customer. Proper operation and service life cannot be guaranteed if the part is operated outside the specified limits.