

AZ9401

16 AMP POWER RELAY

FEATURES

- Universal mounting bracket with break-away tabs
- Panel Mount
- 16 Amp switching
- 55 Amp inrush current
- Quick-connect terminals
- UL, CUR file E44211



CONTACTS

Arrangement	SPST (1 Form A) SPST (1 Form B) SPDT (1 Form C)
Ratings UL, CUR	Resistive load: Max. switched power: 4000 VA Max. switched current: 16 A Max. switched voltage: 250 VAC All models 8 FLA, 25 LRA at 250 VAC, 30k cycles 8 A at 250 VAC, General Purpose, 30k cycles 1 Form A 16 A at 250 VAC, resistive, 100k cycles 1 Form C 16 A at 250 VAC, resistive, 100k cycles
Material	Silver cerium
Resistance	< 50 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 16 A 240 VAC Res.
Operate Time (typical)	25 ms at nominal coil voltage
Release Time (typical)	25 ms at nominal coil voltage
Dielectric Strength (at sea level for 1 min.)	2500 Vrms coil to contact 1000 Vrms between open contacts
Insulation Resistance	500 megohms min. at 500 VDC, 20°C 50% RH
Dropout	Greater than 20% of nominal coil voltage
Ambient Temperature Operating Storage	At nominal coil voltage -40°C (-40°F) to 65°C (149°F) -40°C (-40°F) to 105°C (221°F)
Vibration	0.062" DA at 10–55 Hz
Shock Operating	15 g, 11 ms 1/2 sine (no false operation)
Enclosure	Phenolic
Terminals	Quick-connect
Weight	75 grams

COIL

Power At Nominal Voltage (typical) Temperature Rise	3.5 VA 60°C (108°F) at nominal coil voltage
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.

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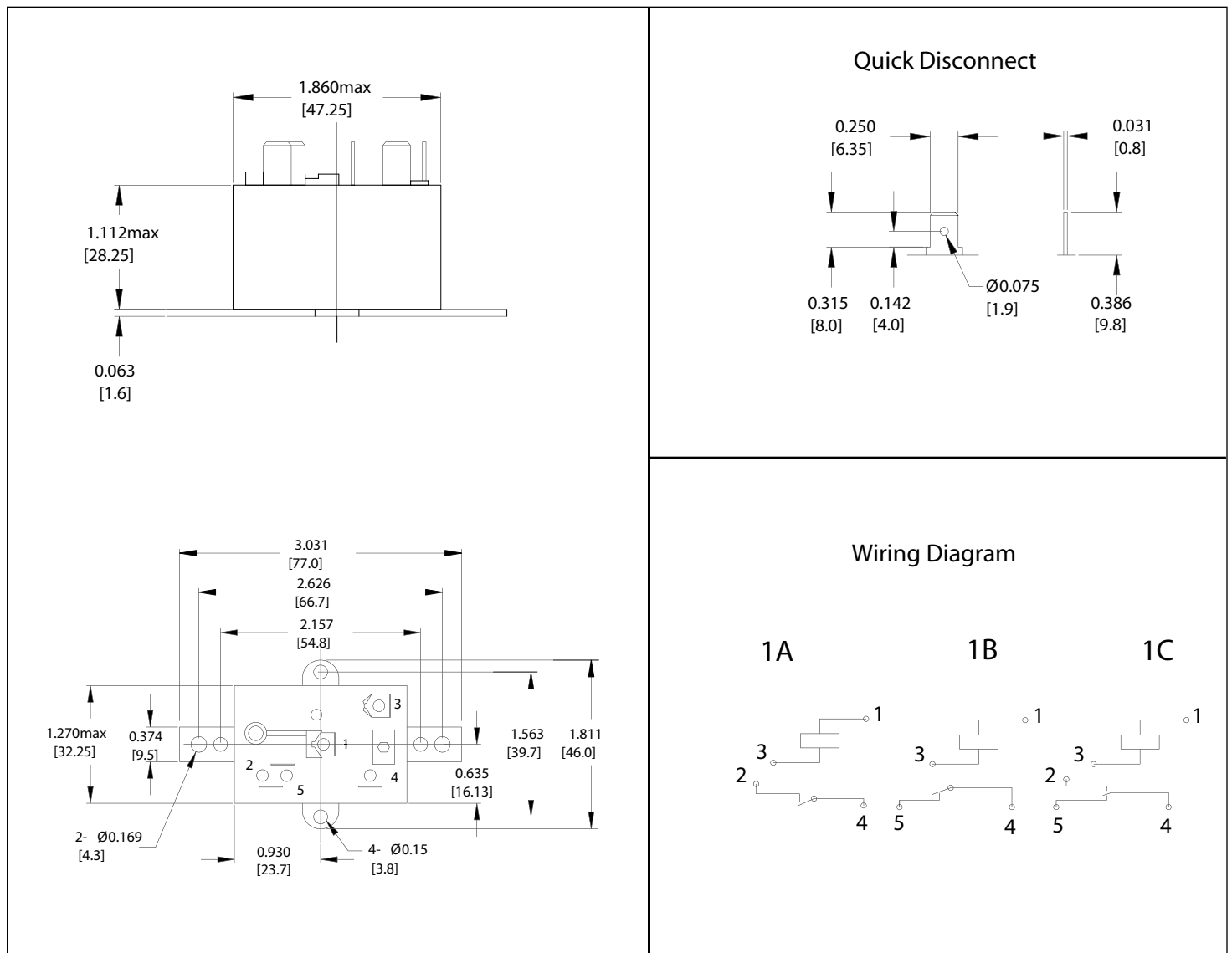
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RELAY ORDERING DATA

COIL SPECIFICATIONS					ORDER NUMBER*
Nominal Coil VAC	Must Operate VAC	Max. Continuous VAC	Coil Resistance $\pm 10\%$	Coil Current A	1 Form C
24	20.4	31.2	90	0.146	AZ9401-1C-24A
120	102	132	2000	0.029	AZ9401-1C-120A
240	204	264	7200	0.015	AZ9401-1C-240A

*For 1 Form A or 1 Form B, substitute "-1A" or "-1B" in place of "-1C".

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.