

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	Resistive load: Max. switched power: 4000 VA Max. switched current: 16 A Max. switched voltage: 250 VAC
UL, CUR	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)	3.5 VA
Temperature Rise	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.

ZETTLER Controls, Inc. www.zettlercontrols.com

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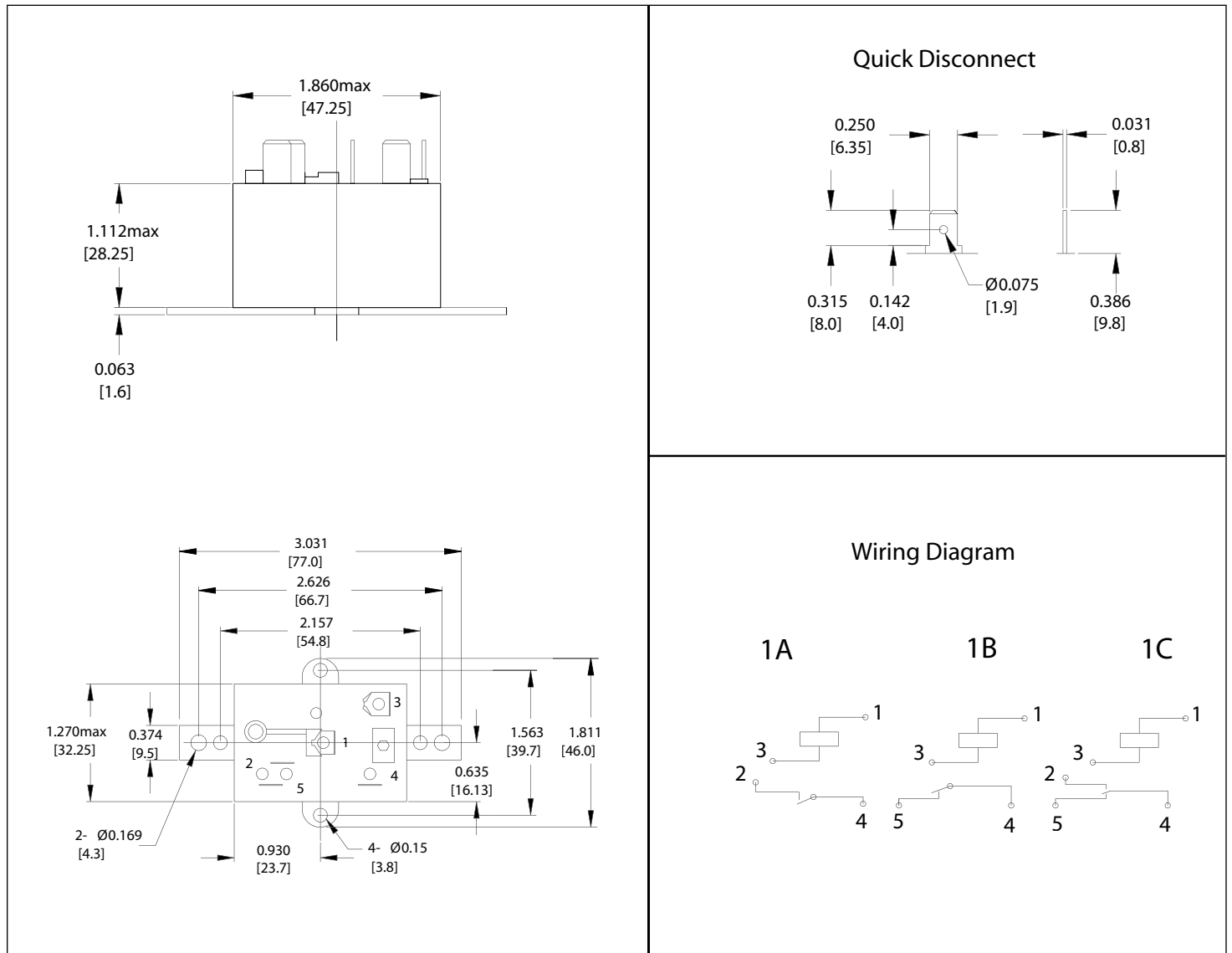
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RELAY ORDERING DATA

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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