AZ2900

25 AMP POWER RELAY

FEATURES

- Panel mount
- Universal mounting bracket with break-away tabs
- 25 Amp switching
- Quick-connect terminals
- UL, CUR file E44211

CONTACTS

Arrangement	SPST (1 Form A) SPST (1 Form B) SPST (1 Form A and 1 Form B) SPDT (1 Form C)
Ratings	Resistive load: Max. switched power: 6925 VA Max. switched current: 25 A Max. switched voltage: 277 VAC
UL, CUR	1 Form A 12 FLA, 60 LRA at 125 VAC, 30k cycles 8 FLA, 48 LRA at 250 VAC, 30k cycles 7 FLA, 42 LRA at 277 VAC, 30k cycles 25 A at 277 VAC, resistive, 50k cycles 3 A at 277 VAC, 30k cycles General Use 277 VA at 277 VAC, 30k cycles (Pilot duty) 1 Form C 14 FLA, 84 LRA at 125 VAC, 30k cycles 8 FLA, 48 LRA at 250 VAC, 30k cycles 7 FLA, 42 LRA at 277 VAC, 30k cycles 25 A at 277 VAC, resistive, 50k cycles 3 A at 277 VAC, 30k cycles General Use 277 VA at 277 VAC, 30k cycles (Pilot duty) 1 Form A & B 12 FLA, 60 LRA at 120 VAC, 30k cycles 8 FLA, 48 LRA at 250 VAC, 30k cycles 7 FLA, 42 LRA at 277 VAC, 30k cycles 18 A at 277 VAC, resistive, 100k cycles 25 A at 277 VAC, resistive, 50k cycles 3 A at 277 VAC, 30k cycles General Use 277 VA at 277 VAC, 30k cycles (Pilot duty)
Material	Silver cadmium oxide, Silver Cerium (Pilot)
Resistance	< 200 milliohms initially (24 V, 1 A voltage drop method)

COIL

Power	
At Nominal Voltage (typical)	4.0 VA
Temperature Rise	60°C (108°F) at nominal coil voltage
Temperature	Max. 105°C (221°F)

GENERAL DATA

Life Expectancy **Mechanical** **Electrical**	Minimum operations 1 x 10^6 1 x 10^5 at 25 A 277 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**	 10 g, 11 ms 1/2 sine (no false operation)
Enclosure	Phenolic
Terminals	Quick-connect
Weight	85 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.

ZETTLER Controls, Inc. *www.zettlercontrols.com*

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11/7/11

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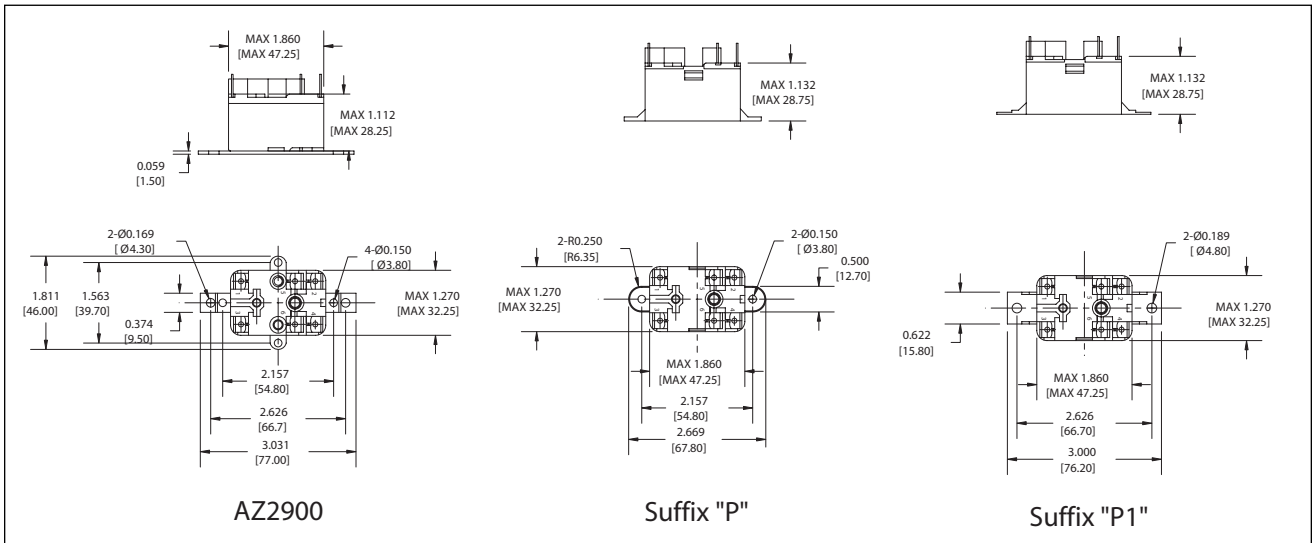
RELAY ORDERING DATA

COIL SPECIFICATIONS					ORDER NUMBER*
Nominal Coil VAC	Must Operate VAC	Max. Continuous VAC	Coil Resistance ±10%	Coil Current A	1 Form C**
24	20.4	31.2	77	0.167	AZ2900–1C–24A
120	102	132	2000	0.033	AZ2900–1C–120A
240	204	264	7250	0.017	AZ2900–1C–240A
277	235	305	11000	0.014	AZ2900–1C–277A

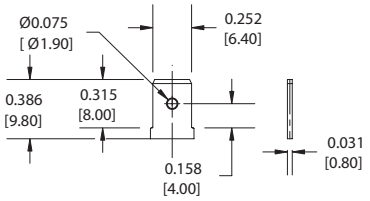
*For 1 Form A, 1 Form B, or 1 Form A & B, substitute “-1A”, “-1B” or “-1AB” in place of “-1C”. For Silver Cerium (AgCe) contact material add suffix “E”. For permanant plastic mounting tabs on 2.15” (hole diameter .150”) centers add suffix “P” or for 2.62” centers (hole diameter .189”) add “P1”.
**There is no terminal “6” on 1 Form C relays.

MECHANICAL DATA

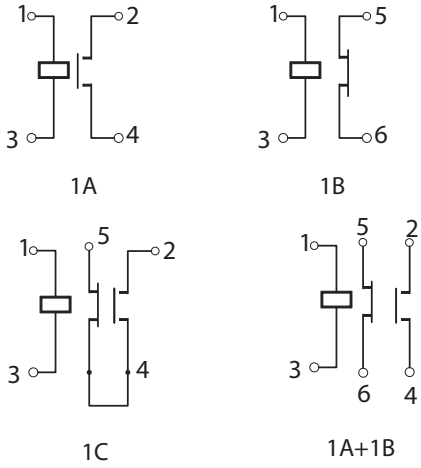


Terminals Type

QC



Wiring Diagram



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

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