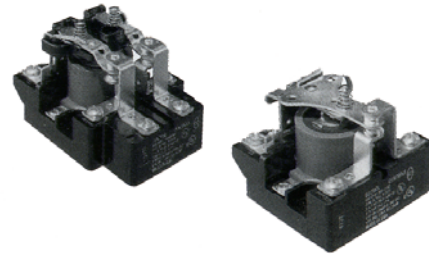


AZ900

30 AMP HEAVY DUTY POWER RELAY

FEATURES

- 1 Form C contacts, 2 Form C contacts
- AC and DC coils available
- UL Class F (155°C) molded construction
- UL, CUL file E44211



CONTACTS

Arrangement	SPDT (1 Form C) DPDT (2 Form C)
Ratings	Resistive load: Max. switched power: 840 W or 12000 VA Max. switched current: 30 A Max. switched voltage: 600 VAC, 28 VDC
UL, CUR	30 A at 240 VAC 1.5 HP at 120 VAC 2.0 HP at 240 VAC 3600 VA at 120 VAC / 240 VAC ballast 30 A at 240 VAC Res., 100k cycles 20 A at 600 VAC 30 A at 28 VDC
Material	Silver cadmium oxide
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 30 A 240 VAC Res.
Operate Time (typical)	30 msec at nominal coil voltage
Release Time (typical)	30 msec at nominal coil voltage (without suppression)
Dielectric Strength (at sea level for 1 min.)	2200 Vrms contact to contact 2200 Vrms contact to coil
Insulation Resistance	100 megohms min. at 20°C, 500 VDC 50% RH
Dropout	DC: > 10% of nominal coil voltage AC: > 20% of nominal coil voltage
Ambient Temperature Operating	-45°C (-49°F) to 80°C (176°F) AC coil, 30A -45°C (-49°F) to 115°C (239°F) DC coil, 30A
Weight	227 grams

COIL

Power At Pickup Voltage (typical)	DC: 1.12 mW AC: 6.9 VA
Max. Continuous Dissipation	DC: 3.3 W at 20°C AC: 12.5 VA at 20°C
Temperature Rise	70°C at nominal coil voltage (AC) 35°C at nominal coil voltage (DC)
Max. Temperature	155°C (311°F)

NOTES

1. All values at 25°C (77°F).
2. Relay may pull in with less than "Must Operate" value.
3. Specifications subject to change without notice.



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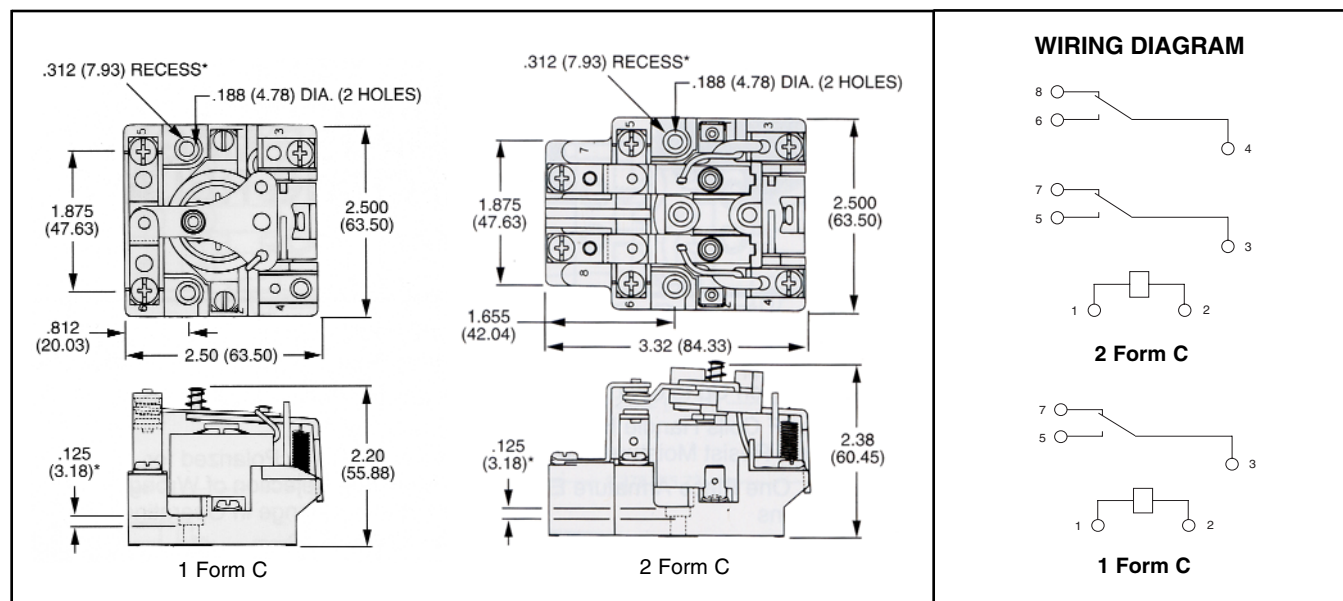
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RELAY ORDERING DATA

COIL SPECIFICATIONS – DC Coil					ORDER NUMBER*
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Nominal Current mA $\pm 10\%$	Coil Resistance $\pm 10\%$	
6	4.50	7.8	333	18	AZ900-1C-6D
12	9.1	15.4	166	72	AZ900-1C-12D
24	18.0	32.0	83	290	AZ900-1C-24D
48	36.0	62.6	42	1150	AZ900-1C-48D
110	82.5	143.0	18.2	6050	AZ900-1C-110D
COIL SPECIFICATIONS – AC Coil 50/60 Hz					ORDER NUMBER*
Nominal Coil VAC	Must Operate VAC	Max. Continuous VAC	Nominal Coil Power VA	Coil Resistance $\pm 10\%$	
6	5.1	6.9	9.5	0.85	AZ900-1C-6A
12	10.2	13.8	9.5	2.85	AZ900-1C-12A
24	20.4	27.6	9.5	11.5	AZ900-1C-24A
120	102.0	138.0	9.5	295.0	AZ900-1C-120A
240	204.0	276.0	9.5	1170.0	AZ900-1C-240A
480	408.0	552.0	9.5	4860.0	AZ900-1C-480A

*For double pole version replace '-1C' with '-2C.'

MECHANICAL DATA



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



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