

AZ932

15 AMP MINIATURE PC BOARD RELAY

FEATURES

- High performance
- Low seated height
- Flux tight and sealed versions available
- Class F insulation (155°C) system available
- Class B Insulation (130°C) standard
- UL, CUR file E43203



CONTACTS

Arrangement	SPST - N.O. (1 Form A) SPST - N.C. (1 Form B) SPDT (1 Form C)
Ratings	Form A, B and C Max. switched power: 210W or 1800VA Max. switched current: 15A (AC), 7A (DC) Max. switched voltage: 30VDC or 277VAC
Rated Load UL/CUR	1 Form A 15A at 120VAC 100,000 cycles TV - 5 120VAC 1 Form B NC (Class F Only) 8.3A at 120VAC, 1000VA, 90°C Ballast 3.6A at 277VAC, 1000VA, 90°C Ballast 8A at 120VAC, 10k cycles, 80°C Electronic Ballast 3A at 277VAC, 10k cycles, 80°C Electronic Ballast 1 Form B NC (Class B Only) 15A at 120VAC, 1800VA, 25°C Ballast 6.5A at 277VAC, 1800VA, 25°C Ballast 1 Form C 10A at 120VAC 100,000 cycles N.O. 10A at 120VAC 50,000 cycles N.C.
Material	Silver tin oxide (gold plating available)
Resistance	< 100 milliohms initially (6V, 1A voltage drop method)

COIL

Power At Pickup Voltage	203mW
Max Continuous Dissipation	0.6W at 20°C (68°F)
Temperature Rise (at nominal coil voltage)	27°C (49°F)
Temperature	Max. 130°C (266°F)

GENERAL DATA

Life Expectancy	
Mechanical	1×10^6
Electrical	1×10^5 at 10A, 120VAC Res.
Operate Time	10ms max.
Release Time	5ms max. (with no coil suppression)
Dielectric Strength (at sea level for 1 min.)	1500Vrms contact to coil 1000Vrms across contacts
Insulation Resistance	100 megohms min. at 500VDC, 50% RH
Dropout	Greater than 10% of nominal coil voltage
Ambient Temperature Operating	At nominal coil voltage
Storage	-40°C(-40°F) to 70°C(158°F)
	-40°C(-40°F) to 130°C(266°F)
Vibration	0.062" DA at 10-55 Hz
Shock	10 g
Enclosure	P.B.T. polyester
Terminals	Tinned copper alloy, P.C.
Max. Solder Temp.	270°C (500°F)
Max. Solder Time	5 seconds
Max. Solvent Temp.	80°C (176°F)
Max. Immersion Time	30 seconds
Weight (Approx)	13 grams

NOTES

1. All values at 20°C (68°F).
2. Relay may pull in with less than "Must Operate" value.
3. Unsealed relays should not be dip cleaned.
4. Specifications subject to change without notice.

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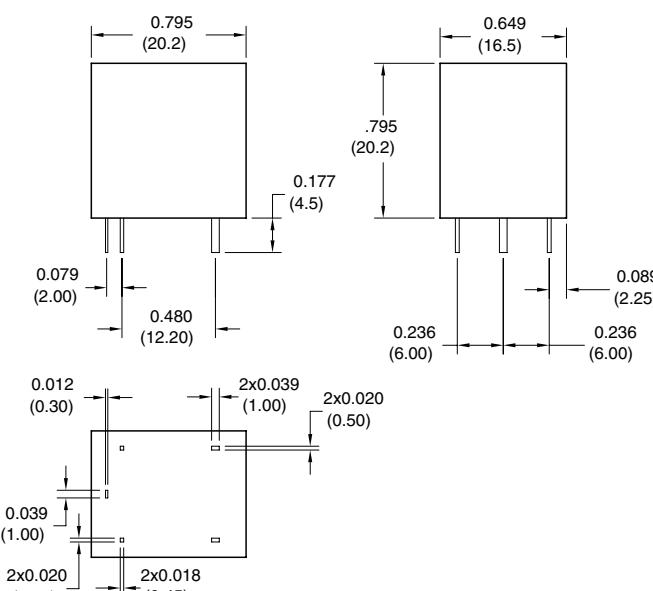
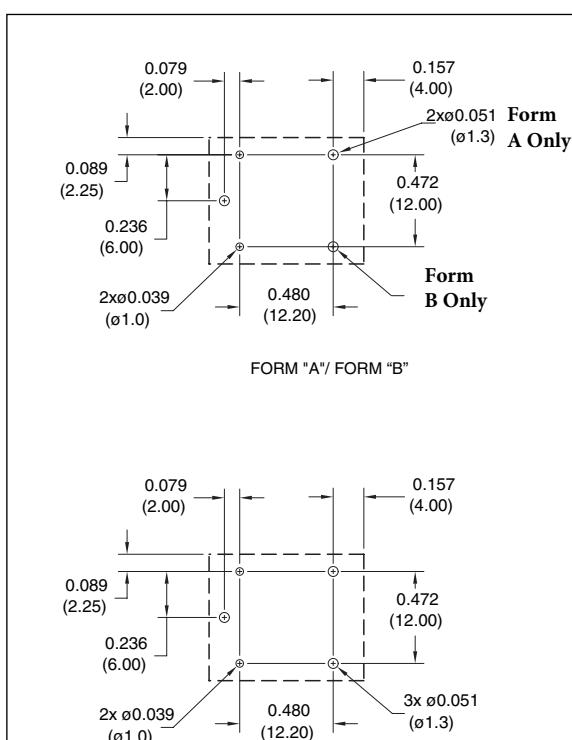
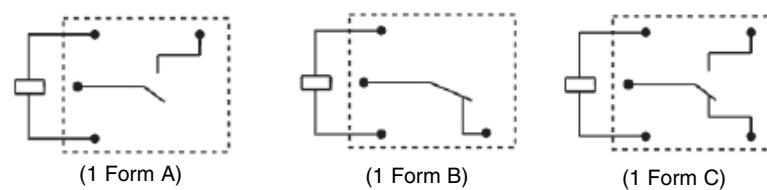
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RELAY ORDERING DATA

STANDARD RELAYS				ORDER NUMBER*	
COIL SPECIFICATIONS				ORDER NUMBER*	
Nominal Coil VDC	Max. Continuous VDC	Coil Resistance	Must Operate VDC	1 Form A (SPST-N.O.)	1 Form C (SPDT)
3	3.9	25 \pm 10%	2.3	AZ932-1AH-3D	AZ932-1CH-3D
5	6.5	70 \pm 10%	3.8	AZ932-1AH-5D	AZ932-1CH-5D
6	7.8	100 \pm 10%	4.5	AZ932-1AH-6D	AZ932-1CH-6D
9	11.7	225 \pm 10%	6.8	AZ932-1AH-9D	AZ932-1CH-9D
12	15.6	400 \pm 10%	9.0	AZ932-1AH-12D	AZ932-1CH-12D
18	23.4	900 \pm 10%	13.5	AZ932-1AH-18D	AZ932-1CH-18D
24	31.2	1,600 \pm 15%	18.0	AZ932-1AH-24D	AZ932-1CH-24D
48	62.4	4,500 \pm 15%	36.0	AZ932-1AH-48D	AZ932-1CH-48D

*Add suffix "E" for epoxy sealed version. Add suffix "F" for Class F insulation system. Add suffix "G" for gold plated contacts. Substitute "1BH" in place of "1AH" to indicate 1 Form B.

MECHANICAL DATA

Outline Dimensions	PC Board Layout
	
Wiring Diagram 	View Toward Terminals

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

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