AZ943_

15 AMP MINIATURE PC BOARD RELAY

FEATURES

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



CONTACTS

Arrangement	SPST (1 Form A) SPDT (1 Form C)		
Ratings	Form A and C Max. switched power: 210 W or 2770 VA Max. switched current: 15 A AC, 7 A DC Max. switched voltage: 30 VDC or 300 VAC		
UL/CUR Ratings	1 Form A 15 A at 125 VAC, general use 10A at 277 VAC, general use, 100,000 cycles TV - 5 120 VAC 1 Form C 10 A at 277 VAC, general use, 100,000 cycles		
Material	AgSnO ₂		
Resistance	< 100 milliohms initally (24 V, 1 A method)		

COIL

Power At Pickup Voltage Max Continuous Dissipation	203 mW 1.0 W at 20°C (68°F)
Temperature Rise (at nominal coil voltage)	27°C (49°F)
Temperature	Max. 130°C (266°F)

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.

GENERAL DATA

Life Expectancy Mechanical Electrical	1×10^{6} 1 x 10 ⁵ at rated load		
Operate Time	10 ms max.		
Release Time	5 ms max. (with no coil suppression)		
Dielectric Strength (at sea level for 1 min.)	1500 Vrms contact to coil 1000 Vrms across contacts		
Insulation Resistance	100 megohms min. at 500 VDC, 50% RH		
Dropout	Greater than 10% of nominal coil voltage		
Ambient Temperature Operating Storage	At nominal coil voltage -40°C(-40°F) to 95°C(203°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 (518°F)		
Max. Solder Time	5 seconds		
Max. Solvent Temp.	80°C (176°F)		
Max. Immersion Time	30 seconds		
Weight	10 g		

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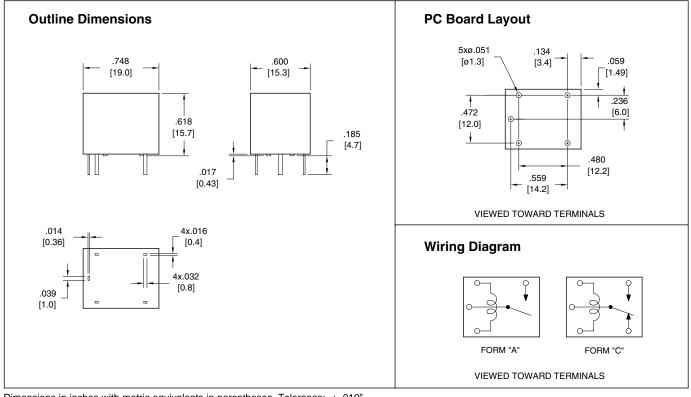
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RELAY ORDERING DATA

STANDARD R	ELAYS				
COIL SPECIFICATIONS			ORDER NUMBER		
Nominal Coil VDC	Max. Continuous VDC	Coil Resistance ±10%	Must Operate VDC	Unsealed	Sealed
5	8.3	70	3.8	AZ943–1CH–5D	AZ943–1CH–5DE
6	10.0	100	4.5	AZ943-1CH-6D	AZ943–1CH–6DE
9	15.0	225	6.8	AZ943–1CH–9D	AZ943–1CH–9DE
12	20.0	400	9.0	AZ943–1CH–12D	AZ943–1CH–12DE
18	30.0	900	13.5	AZ943-1CH-18D	AZ943-1CH-18DE
24	40.0	1,600	18.0	AZ943–1CH–24D	AZ943–1CH–24DE
48	67.0	6,200	36.0	AZ943–1CH–48D	AZ943–1CH–48DE

Substitute "1AH" in place of "1CH" to indicate 1 Form A contact.

MECHANICAL DATA



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

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