15 AMP MINIATURE PC BOARD RELAY

FEATURES

- · High performance
- Low seated height
- Flux tight and sealed versions available
- Class F insulation (155°C) available
- UL, CUR file E43203
- TÜV file R50161256



CONTACTS

Ratings							
Max. switched power: 300 W or 2770 VA Max. switched current: 15 A (AC), 10 A (DC) Max. switched voltage: 30 VDC or 300 VAC Rated Load UL 10 A at 277 VAC, general use, 70°C, 100k cycles 10 A at 30 VDC, resistive, 70°C (N.O.) 1.5 HP at 125 VAC, 70°C, 6k cycles (N.O.) SPST (1 Form A) 15 A at 125 VAC, general use, 70°C, 6k cycles 12 A at 120 VAC, resistive, 70°C, 6k cycles 8 A at 125 VAC, tungsten, 70°C SPDT (1 Form C) 10 A at 120 VAC, resistive, 70°C, 100k cycles (N.O.) 10 A at 120 VAC, resistive, 70°C, 6k cycles (N.C.) 7 A at 30 VDC, resistive, 70°C (N.C.) TÜV 12 A at 125 VAC, resistive, 85°C, 10k cycles 10 A at 277 VAC, resistive, 85°C, 10k cycles 5 A at 250 VAC, resistive, 85°C, 25k cycles SPST (1 Form A) 10 A at 277 VAC, resistive, 85°C, 25k cycles SPST (1 Form A) 10 A at 277 VAC, resistive, 85°C, 25k cycles Silver tin oxide Resistance	Arrangement	, ,					
Max. switched current: 15 A (AC), 10 A (DC) Max. switched voltage: 30 VDC or 300 VAC Rated Load UL 10 A at 277 VAC, general use, 70°C, 100k cycles 10 A at 30 VDC, resistive, 70°C (N.O.) 1.5 HP at 125 VAC, 70°C, 6k cycles (N.O.) SPST (1 Form A) 15 A at 125 VAC, general use, 70°C, 6k cycles 12 A at 120 VAC, resistive, 70°C, 6k cycles 8 A at 125 VAC, tungsten, 70°C SPDT (1 Form C) 10 A at 120 VAC, resistive, 70°C, 100k cycles (N.O.) 10 A at 120 VAC, resistive, 70°C, 6k cycles (N.C.) 7 A at 30 VDC, resistive, 70°C (N.C.) TÜV 12 A at 125 VAC, resistive, 85°C, 10k cycles 10 A at 277 VAC, resistive, 85°C, 10k cycles 5 A at 250 VAC, resistive, 85°C, 25k cycles SPST (1 Form A) 10 A at 277 VAC, resistive, 85°C, 25k cycles Silver tin oxide Resistance Resistance	Ratings	Resistive load:					
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10 A at 120 VAC, resistive, 70°C, 100k cycles (N.O.) 10 A at 120 VAC, resistive, 70°C, 6k cycles (N.C.) 7 A at 30 VDC, resistive, 70°C (N.C.) TÜV 12 A at 125 VAC, resistive, 85°C, 10k cycles 10 A at 277 VAC, resistive, 85°C, 10k cycles 5 A at 250 VAC, resistive, 85°C, 25k cycles SPST (1 Form A) 10 A at 277 VAC, resistive, 85°C, 25k cycles Material Silver tin oxide		15 A at 125 VAC, general use, 70°C, 6k cycles 12 A at 120 VAC, resistive, 70°C, 6k cycles					
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10 A at 277 VAC, resistive, 85°C, 25k cycles Material Silver tin oxide Resistance < 100 milliohms initially	ΤÜV	10 A at 277 VAC, resistive, 85°C, 10k cycles					
Resistance < 100 milliohms initially							
	Material	Silver tin oxide					
(at 24 V, T A, Voltage drop method)	Resistance	< 100 milliohms initially (at 24 V, 1 A, voltage drop method)					

GENERAL DATA

Life Expectancy Mechanical Electrical	1 x 106		
	1 x 10 ⁵ at 10A 277 VAC Res.		
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	At nominal coil voltage		
Operating	-40°C(-40°F) to 70°C(158°F) class B -40°C(-40°F) to 85°C(185°F) class F		
Vibration	0.062" (1.5 mm) 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		
Packing unit in pcs	20 per plastic tube / 1000 per carton box		

COIL

Power			
At Pickup Voltage Max Continuous Dissipation	203 mW 1.8 W at 20°C (68°F) Class B 2.4 W at 20°C (68°F) Class F		
Temperature Rise	32°C (58°F) at nominal coil voltage		
Temperature	Max. 130°C (266°F) Class B Max. 155°C (311°F) Class 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.

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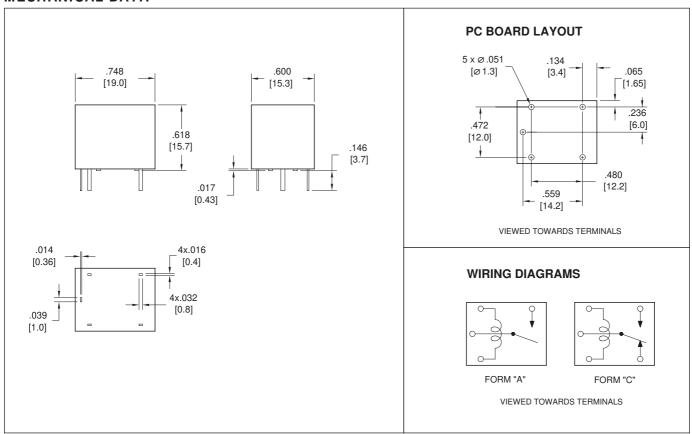
AZ943_

RELAY ORDERING DATA

STANDARD RE	LAYS				
COIL SPECIFICATIONS			ORDER NUMBER*		
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance Ohm ±10%	Unsealed	Sealed
5	3.8	11.2	70	AZ943-1CH-5D	AZ943-1CH-5DE
6	4.5	13.4	100	AZ943-1CH-6D	AZ943-1CH-6DE
9	6.8	20.1	225	AZ943-1CH-9D	AZ943-1CH-9DE
12	9.0	26.8	400	AZ943-1CH-12D	AZ943-1CH-12DE
18	13.5	40.2	900	AZ943-1CH-18D	AZ943-1CH-18DE
24	18.0	53.4	1,600	AZ943-1CH-24D	AZ943-1CH-24DE
36	27.0	80.1	3,600	AZ943-1CH-36D	AZ943-1CH-36DE
48	36.0	107.3	6,400	AZ943-1CH-48D	AZ943-1CH-48DE

^{*}Substitute "1AH" in place of "1CH" to indicate 1 Form A contact. To indicate Class F version, add suffix "F".

MECHANICAL DATA



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