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 R2134654



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	1 Form A 15 A at 125 VAC, general use 10A at 277 VAC, general use, 100k cycles TV - 5 120 VAC 1/ ₂ HP at 125 VAC 125 VA at 120 VAC Pilot Duty, 100k cycles (N.O.)		
	1 Form C 10 A at 277 VAC, general use, 100,000 cycles ¹ / ₂ HP at 125 VAC N.O. 125 VA at 120 VAC Pilot Duty, 100k cycles (N.O.)		
ΤÜV	5 A at 250 VAC resistive, 100k cycles 12 A at 125 VAC resistive, 100k cycles		
Material	Silver tin oxide		
Resistance	< 100 milliohms initally (24 V, 1 A method)		

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.

GENERAL DATA

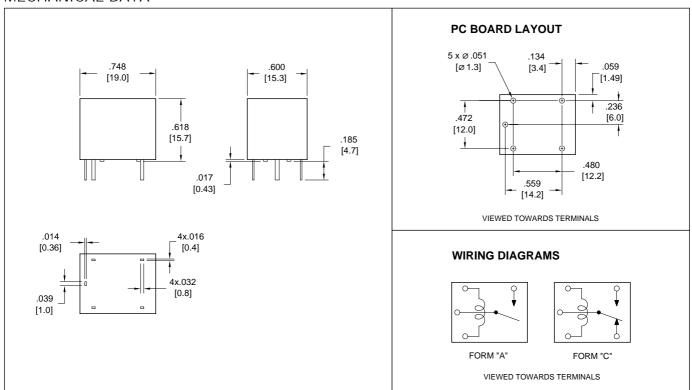
Life Expectancy Mechanical Electrical	1 x 10 ⁶ 1 x 10 ⁵ at 10A 277 VAC Res.			
Operate Time	10 ms max.			
Release Time	5 ms max. (with no coil suppression)			
Dielectric Strength (at sea level for 1 min.)	1500 Vrms contact to coil 1000 Vrms across contacts			
Insulation Resistance	100 megohms min. at 500 VDC, 50% RH			
Dropout	Greater than 10% of nominal coil voltage			
Ambient Temperature Operating Storage	At nominal coil voltage -40°C(-40°F) to 70°C(158°F) class B -40°C(-40°F) to 85°C(185°F) class F -40°C(-40°F) to 105°C(221°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			

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: \pm .010"