AZ943_

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



GENERAL DATA

Arrangement	SPST (1 Form A)	Life Expectancy	
Anangement	SPDT (1 Form C)	Mechanical	1 x 10 ⁶
Ratings	Resistive load:	Electrical	1 x 10 ⁵ at 10A 277 VAC Res.
	Max. switched power: 300 W or 2770 VA	Operate Time	10 ms max.
	Max. switched current: 15 A (AC), 10 A (DC) Max. switched voltage: 30 VDC or 300 VAC	Release Time	5 ms max. (with no coil suppression)
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	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
	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.)	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
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	Enclosure	P.B.T. polyester
		Terminals	Tinned copper alloy, P.C.
		Max. Solder Temp.	270°C (518°F)
		Max. Solder Time	5 seconds
Material	Silver tin oxide	Max. Solvent Temp.	80°C (176°F)
Resistance	< 100 milliohms initially (at 24 V, 1 A, voltage drop method)	Max. Immersion Time	30 seconds
		Weight	10 g

COIL

Power At Pickup Voltage	203 mW 1.8 W at 20°C (68°F) Class B 2.4 W at 20°C (68°F) Class F 32°C (58°F) at nominal coil voltage	NOTES	
Max Continuous Dissipation		1. All values at 20°C (68°F).	
Temperature Rise		2. Relay may pull in with less than "Must Operate" value.	
Temperature	Max. 130°C (266°F) Class B Max. 155°C (311°F) Class F	 Unsealed relays should not be dip cleaned. Specifications subject to change without notice. 	

Packing unit in pcs

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20 per plastic tube / 1000 per carton box

 fax:
 +45

 This product specification to be used only together with the application notes
 which can be downloaded from http://www.ZETTLERelectronics.com/pdfs/relais/ApplicationNotes.pdf

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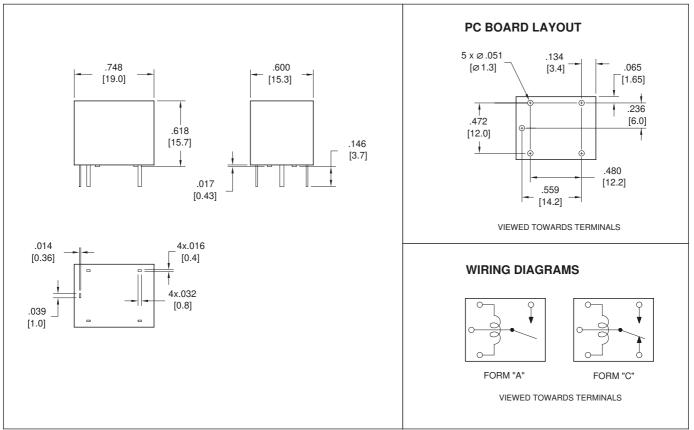
CONTACTS

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"

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