AZ733W_

DPST MINIATURE POWER RELAY

FEATURES

- Dielectric strength 5000 Vrms
- 1.5 mm contact gap
- · Epoxy sealed version available
- 10 Amp switching double pole contacts
- Isolation spacing greater than 8 mm
- UL, CUR file E44211
- TÜV file R9659062

CONTACTS

Minimum operations

GENERAL DATA

Life Expectancy

Arrangement	DPST (2 Form A)				
Ratings	Resistive load:				
	Max. switched power: 240 W or 2500 VA Max. switched current: 10 A Max. switched voltage: 150 VDC* or 400 VAC				
	* Note: If switching voltage is greater than 30 VDC, special precautions must be taken. Please contact the factory.				
Rated Load UL, CUR	10 A at 250 VAC general use 100k cycles [1] [2] [3] TV-3 at 125 VAC [1]				
ΤÜV	10 A at 30 VDC resistive, 100k cycles [1] [2] [3] 10 A at 250 VAC resistive, 100k cycles [1] [2] [3]				
Material	Silver cadmium oxide [1], silver tin oxide [2] or silver nickel [3]				
Resistance	< 50 milliohms initially				

COIL

Power			
At Pickup Voltage (typical)	450 mW		
Max. Continuous Dissipation	2.0 W at 20°C (68°F) ambient		
Temperature Rise	40°C (83°F) at nominal coil voltage		
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. Specifications subject to change without notice.

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Mechanical Electrical	5×10^5 1 x 10 ⁵ at 10 A 250 VAC Res.		
Operate Time (typical)	10 ms at nominal coil voltage		
Release Time (typical)	4 ms at nominal coil voltage (with no coil suppression)		
Dielectric Strength (at sea level for 1 min.)	5000 Vrms contact to coil 3000 Vrms between open contacts 3000 Vrms between contact sets		
Insulation Resistance	1000 megohms min. at 20°C,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) -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	18 grams		
Packing unit in pcs	50 per plastic tray / 500 per carton box		

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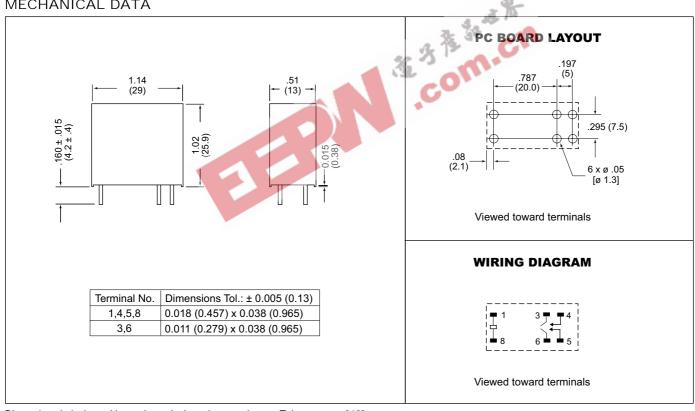
RELAY ORDERING DATA

COIL SPECIFICATIONS			ORDER NUMBER		
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance Ohm	Unsealed	Sealed
3	2.25	4.7	11.3 ±10%	AZ733W–2A–3D	AZ733W–2A–3DE
5	3.8	7.9	31 ±10%	AZ733W-2A-5D	AZ733W–2A–5DE
6	4.5	9.5	45 ±10%	AZ733W-2A-6D	AZ733W–2A–6DE
9	6.8	14.2	101 ±10%	AZ733W-2A-9D	AZ733W–2A–9DE
12	9.0	18.9	180 ±10%	AZ733W–2A–12D	AZ733W–2A–12DE
18	13.5	28.4	405 ±10%	AZ733W–2A–18D	AZ733W–2A–18DE
24	18.0	37.9	720 ±15%	AZ733W–2A–24D	AZ733W–2A–24DE
48	36.0	75.9	2,880 ±15%	AZ733W–2A–48D	AZ733W–2A–48DE
60	45.0	94.8	4,500 ±15%	AZ733W-2A-60D	AZ733W–2A–60DE
110	82.5	183.3	16,800 ±15%	AZ733W-2A-110D	AZ733W-2A-110DE

* Add suffix "B" to "2A" for silver nickel contacts.

Add suffix "E" to "2A" for silver tin oxide contacts.

MECHANICAL DATA



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

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