AZ734

DPST MINIATURE POWER RELAY

FEATURES

- Dielectric strength 4000 Vrms
- Low cost
- Epoxy sealed version available
- 5 Amp switching — double pole contacts
- UL Class B insulation system
- UL, CUR file E43203

CONTACTS

Arrangement	DPST (2 Form A)
Ratings	Resistive load: Max. switched power: 150 W or 1200 VA Max. switched current: 5 A Max. switched voltage: 150* VDC or 380 VAC *Note: If switching voltage is greater than 30 VDC, special precautions must be taken. Please contact the factory.
Rated Load **UL, CUR**	5 A at 250 VAC general use, 100k cycles 5 A at 30 VDC resistive, 100k cycles TV-3 at 125 VAC
Material	Silver cadmium oxide, silver tin oxide
Resistance	< 50 milliohms initially (24 V, 1 A voltage drop method)

COIL

Power	
At Pickup Voltage (typical)	300 mW
Max. Continuous Dissipation	1.5 W at 20°C (68°F) ambient
Temperature Rise	45°C (81°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.

GENERAL DATA

Life Expectancy **Mechanical** **Electrical**	Minimum operations 1 x 10^7 1 x 10^5 at 5 A 240 VAC Res.
Operate Time (typical)	15 ms at nominal coil voltage
Release Time (typical)	10 ms at nominal coil voltage (with no coil suppression)
Dielectric Strength (at sea level for 1 min.)	4000 Vrms contact to coil 1000 Vrms between open contacts 1000 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**	 -40°C (-40°F) to 85°C (185°F) -40°C (-40°F) to 130°C (266°F)
Vibration	0.062" DA at 10–55 Hz
Shock	20 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	13 grams

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7/12/01W

AZ734

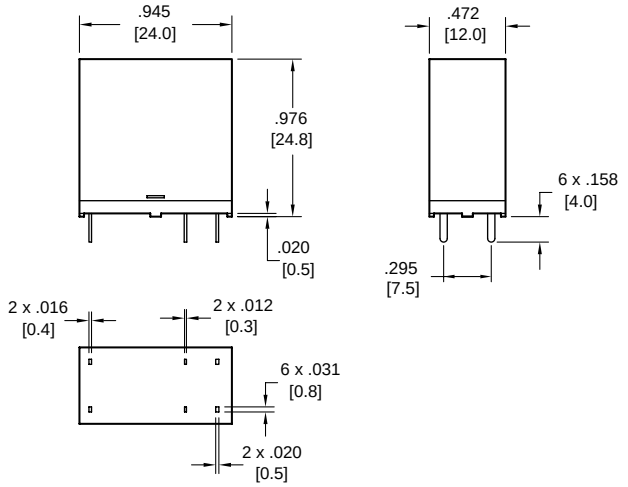
RELAY ORDERING DATA

COIL SPECIFICATIONS				ORDER NUMBER*	
Nominal Coil VDC	Must Operate VDC	Max. Continuous VDC	Coil Resistance ± 10%	Unsealed	Sealed
5	3.75	8.4	47	AZ734–2A–5D	AZ734–2A–5DE
6	4.5	10.0	68	AZ734–2A–6D	AZ734–2A–6DE
9	6.75	15.2	155	AZ734–2A–9D	AZ734–2A–9DE
12	9.0	20.1	270	AZ734–2A–12D	AZ734–2A–12DE
18	13.5	30.5	620	AZ734–2A–18D	AZ734–2A–18DE
24	18.0	40.2	1080	AZ734–2A–24D	AZ734–2A–24DE
48	36.0	81.2	4400	AZ734–2A–48D	AZ734–2A–48DE

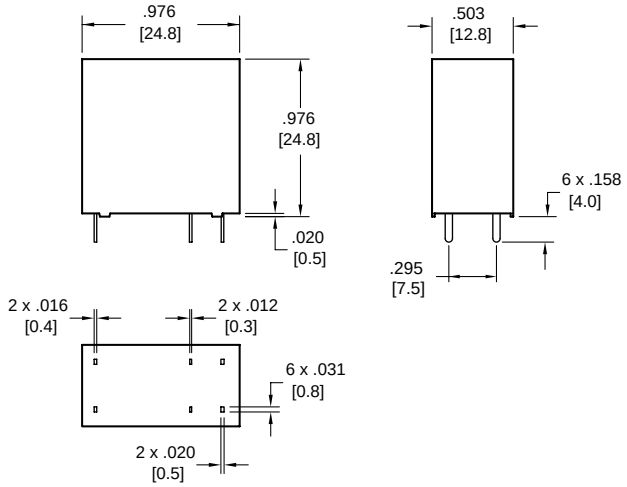
*Add suffix “A” for silver tin oxide contact material.

MECHANICAL DATA

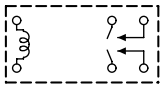
UNSEALED VERSION



SEALED VERSION



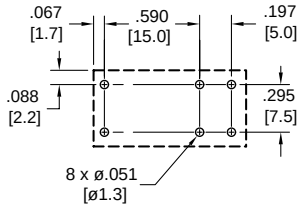
WIRING DIAGRAM



2 FORM A

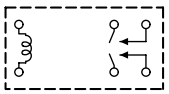
Viewed toward terminals

PC BOARD LAYOUT



Viewed toward terminals

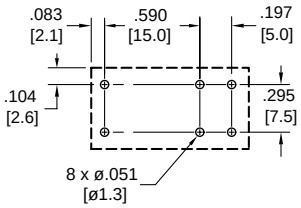
WIRING DIAGRAM



2 FORM A

Viewed toward terminals

PC BOARD LAYOUT



Viewed toward terminals

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

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