AZ832P

POLARIZED DIP RELAY BISTABLE (LATCHING)

FEATURES

- High sensitivity, 42 mW pickup
- Low profile DIP package
- Meets FCC Part 68.302 1500 V lightning surge
- Meets FCC Part 68.304 1000 V dielectric
- Single and dual coil versions
- DC coils to 24 VDC
- High switching capacity, 60 W, 250 VA
- Fits standard 16 pin IC socket
- Epoxy sealed for automatic wave soldering and cleaning
- UL, CUR file E43203



Arrangement	DPDT (2 Form C) Bifurcated crossbar contacts		
Ratings	Resistive load: Max. switched power: 60 W or 250 VA Max. switched current: 2 A Max. switched voltage: 250 VDC or 250 VAC		
Rated Load UL	2 A at 30 VDC resistive 2 A at 125 VAC resistive		
Material	Gold plated silver against gold plated silver		
Resistance	< 50 milliohms initially		

COIL

Power	
At Pickup Voltage (typical)	Standard coil: 56 mW Sensitive coil: 42 mW
Max. Continuous Dissipation	0.9 W at 20°C (68°F)
Temperature	Max. 115°C (239°F)

NOTES

- 1. All values at 20°C (68°F).
- 2. Relay may pull in with less than "Must Operate" value.
- 3. Relay has fixed coil polarity.
- For complete isolation between the relay's magnetic fields, it is recommended that a .197" (5.0 mm) space be provided between adjacent relays.
- Relay adjustment may be affected if undue pressure is exerted on relay case.
- 6. Specifications subject to change without notice.



GENERAL DATA

Life Expectancy	Minimum operations		
Mechanical	2 x 10 ⁷		
Electrical	1 x 10 ⁵ at 2 A, 30 VDC or 1 A, 125 VAC		
	2 x 106 at 1 A, 30 VDC or .5 A, 125 VAC		
Set Time (typical)	3 ms at nominal coil voltage		
Reset Time (typical)	3 ms at nominal coil voltage		
Bounce (typical)	3 ms		
Dielectric Strength	1500 Vrms contact to coil		
(at sea level)	1000 Vrms between contact sets		
	1000 Vrms across contacts		
	Meets FCC Part 68.302 lightning surge Meets FCC Part 68.304 V dielectric		
	ividets FOC Part 66.304 v dielectric		
Insulation Resistance	1000 megohms min. at 20°C, 500 VDC,		
	50% RH		
Ambient Temperature	At nominal coil voltage		
Operating	-40°C (-40°F) to 85°C (185°F)		
Storage	-40°C (-40°F) to 115°C (239°F)		
Vibration	50 g at 10-500 Hz		
Shock	50 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	5 grams		

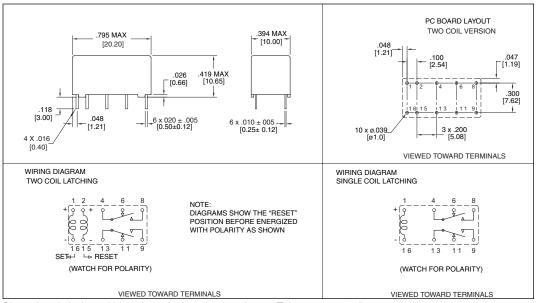




RELAY ORDERING DATA

STANDARD SINGLE COIL							
COIL SPECIF	ICATIONS						
Nominal Coil VDC	Max. Continuous VDC	Coil Resistance ± 10%	Set Reset VDC	ORDER NUMBER			
3	9.0	90	2.25	AZ832P1-2C-3DE			
5	15.0	250	3.75	AZ832P1-2C-5DE			
12	36.0	1,440	9.0	AZ832P1-2C-12DE			
24	60.0	4,000	18.0	AZ832P1-2C-24DE			
SENSITIVE SINGLE COIL							
2.25	7.8	67.5	1.69	AZ832P1-2C-2.25DSE			
3	10.4	120	2.25	AZ832P1-2C-3DSE			
5	17.2	330	3.75	AZ832P1-2C-5DSE			
12	41.6	1,920	9.0	AZ832P1-2C-12DSE			
24	83.1	7,680	18.0	AZ832P1-2C-24DSE			
STANDARD	STANDARD DUAL COIL						
COIL SPECIF	ICATIONS						
Nominal Coil VDC	Max. Continuous VDC	Coil Resistance ± 10%	Set Reset VDC	ORDER NUMBER			
3	6.4	45	2.25	AZ832P2-2C-3DE			
5	10.6	125	3.75	AZ832P2-2C-5DE			
6	12.7	180	4.5	AZ832P2-2C-6DE			
12	25.5	720	9.0	AZ832P2-2C-12DE			
24	42.8	2,040	18.0	AZ832P2-2C-24DE			
SENSITIVE DUAL COIL							
3	7.3	60	2.25	AZ832P2-2C-3DSE			
5	12.3	167	3.75	AZ832P2-2C-5DSE			
6	14.7	240	4.5	AZ832P2-2C-6DSE			
12	29.4	960	9.0	AZ832P2-2C-12DSE			
24	58.8	3,840	18.0	AZ832P2-2C-24DSE			

MECHANICAL DATA



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



AMERICAN ZETTLER, INC.

www.azettler.com