

# AZ2500

## 60 AMP LATCHING POWER RELAY

### FEATURES

- Low cost
- 60 Amp switching
- Heavy loads to 15,000VA
- 4kV dielectric
- Epoxy sealed construction available
- UL, CUR file E43203



### CONTACTS

<b>Arrangement</b>	SPST (1 Form A), SPST (1 Form B) Not UL
<b>Ratings</b>	Resistive load: Max. switched power: 15,000VA Max. switched current: 60A Max. switched voltage: 250VAC
<b>Rated Load UL, CUR</b>	60A at 250VAC, 6k cycles, General Use 70°C 50A at 250VAC, 10k cycles, General Use 70°C 40A at 250VAC, 100k cycles, General Use 70°C
<b>Material</b>	Silver tin oxide
<b>Resistance</b>	< 50 milliohms initially (24V, 1A voltage drop method)

### COIL

<b>Power At Pickup Voltage (typical)</b>	666mW single coil 1.3W dual coil
<b>Temperature</b>	Max. 105°C (221°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.
4. Allow suitable slack on leads when wiring, and do not subject the terminals to excessive force.

### GENERAL DATA

<b>Life Expectancy Mechanical Electrical</b>	Minimum operations 1 x 10 <sup>6</sup> 1 x 10 <sup>5</sup> at 40A 250VAC Res.
<b>Set and Reset Pulse Duration</b>	50ms minimum
<b>Set Time (typical)</b>	20ms at nominal coil voltage
<b>Reset Time (typical)</b>	20ms at nominal coil voltage
<b>Dielectric Strength (at sea level for 1 min.)</b>	4000Vrms coil to contact 1500Vrms between open contacts
<b>Insulation Resistance</b>	1000 megohms min. at 20°C, 500 VDC, 50% RH
<b>Creepage Distance</b>	8mm
<b>Ambient Temperature Operating Storage</b>	At nominal coil voltage -40°C (-40°F) to 70°C (158°F) -40°C (-40°F) to 105°C (221°F)
<b>Vibration</b>	0.062" DA at 10–55 Hz
<b>Shock Operating Non-Operating</b>	10g, 98m/s <sup>2</sup> , 1/2 sine (no false operation) 100g, 980m/s <sup>2</sup> , 1/2 sine (no damage)
<b>Enclosure</b>	P.B.T. polyester
<b>Terminals</b>	Tinned copper alloy P.C. (coil), heavy tabs (power)
<b>Max. Solder Temp.</b>	270°C (518°F)
<b>Max. Solder Time</b>	5 seconds
<b>Weight (approx.)</b>	33 grams



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## Weld style of twisted copper wire (A to K)

