

# AZ692/AZ693

## 10 AMP MINIATURE POWER RELAY

### FEATURES

- Isolation spacing greater than 8mm
- Dielectric strength 4000 Vrms coil to contact
- Approvals/Standards include UL, CSA, VDE, IEC, CEE, SEMKO
- Single pole – Forms A, B and C available
- 10A switching
- Life expectancy to 30 million operations
- Epoxy sealed version for automatic wave soldering and cleaning
- UL file E44211 ; CSA file LR85091 ; VDE 4120-4940-4002/A1



### CONTACTS

<b>Arrangement</b>	SPDT (1 Form C) SPST (1 Form A and 1 Form B)
<b>Ratings</b>	Resistive load: Max switching power : 300W or 2500VA Max switched current : 10A ; 64A for 2ms Max switched voltage : 150* VDC or 380VAC
<b>UL Rating</b>	10A at 24VDC or 115VAC 0.25HP 120VAC motor load 10A at 250VAC B300 pilot duty * If switching voltage is greater than 30VDC, special precautions must be taken. Please consult the factory.
<b>Material</b>	Silver cadmium oxide
<b>Resistance</b>	<30 milliohms initially (at rated current, voltage drop method)

### GENERAL DATA

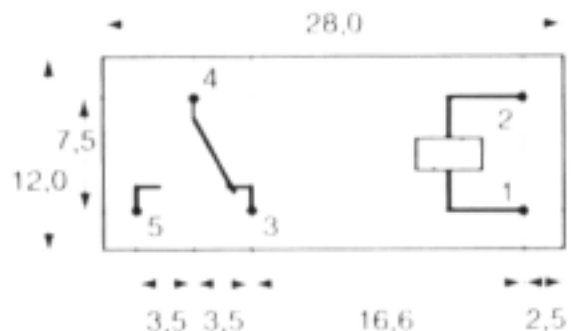
<b>Life Expectancy</b>	Minimum operations 30 million operations
<b>Mechanical</b>	1x10 <sup>5</sup> at 10A, 30VDC or 115VAC
<b>Electrical</b>	2x10 <sup>5</sup> at 8A, 250VAC
<b>Operate Time (typical)</b>	6ms at nominal coil voltage
<b>Release Time (typical)</b>	2ms at nominal coil voltage (with no coil suppression)
<b>Dielectric Strength (at sea level for 1 min)</b>	4000 Vrms coil to contact 1000 Vrms between open contacts
<b>Insulation Resistance</b>	10,000 megohms min at 500VDC, 20°C, 50% RH
<b>Dropout</b>	Greater than 10% of nominal coil voltage
<b>Ambient Temperature Operating</b>	At nominal coil voltage Standard -55°C to 70°C Sensitive -55°C to 80°C
<b>Storage</b>	Both -55°C to 110°C
<b>Vibration</b>	0.062" DA at 10 – 55 Hz
<b>Shock</b>	20g
<b>Enclosure</b>	PBT Polyester
<b>Terminals</b>	Tinned copper alloy, PC
<b>Weight</b>	17 grammes

### COIL

<b>Power</b>	
<b>At Pickup Voltage (typical)</b>	Standard coil 337mW Sensitive coil 234mW
<b>Max Continuous Dissipation</b>	1.9W at 20°C ambient 1.4W at 40°C ambient
<b>Temperature Rise</b>	Standard 40°C at nominal coil voltage Sensitive 26°C at nominal coil voltage
<b>Max Temperature</b>	110°C

### NOTES

- All values at 20°C
- Relay may pull in with less than 'Must Operate' value
- PCB layout viewed towards terminals
- Specifications subject to change without notice
- Unsealed relays should not be dip cleaned



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