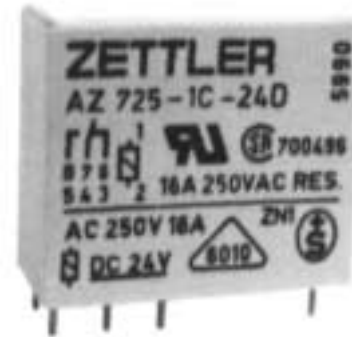


# AZ725

## MINIATURE POWER RELAY

### FEATURES

Dielectric strength 5000 Vrms  
 16A switching – single pole contacts  
 Isolation spacing greater than 8mm  
 Moulded materials : all 94V-0  
 VDE 6010 – unsealed version only  
 Sealed version available  
 UL file E43203, CSA file 700496



### CONTACTS

<b>Arrangement</b>	SPST (1 Form A) SPDT (1 Form C)
<b>Ratings</b>	<b>Resistive load :</b> Max switched power : 384W, 4000VA Max switched current : 16A Max switched voltage : 150*VDC / 400VAC <small>*Note : If switching voltage is greater than 30VDC, special precautions must be taken. Please contact the factory.</small>
<b>Rated Load UL, CUR</b>	16A at 250VAC resistive
<b>Min Load</b>	5VDC, 0.1A
<b>Material</b>	Silver AgCd0
<b>Resistance</b>	<30 milliohms initially

### GENERAL DATA

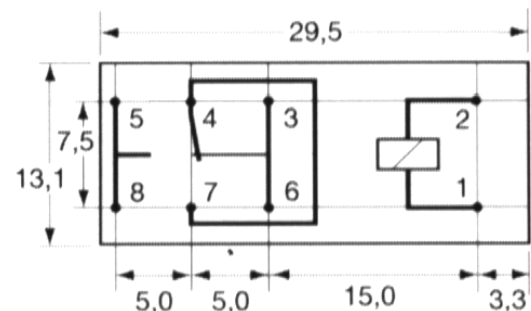
<b>Life Expectancy Mechanical Electrical</b>	Minimum operations 2x10 <sup>7</sup> 1x10 <sup>5</sup> operations at rated load
<b>Operate Time (typical)</b>	7ms at nominal coil voltage
<b>Release Time (typical)</b>	3ms at nominal coil voltage (with no coil suppression)
<b>Dielectric Strength (at sea level for 1 min)</b>	5000 Vrms coil to contact 1000 Vrms between open contacts
<b>Insulation Resistance</b>	1000 megohms min at 20°C. 500VDC, 50% RH
<b>Dropout</b>	Greater than 10% of nominal coil voltage
<b>Ambient Temperature Operating Storage</b>	At nominal coil voltage -40°C to 85°C -40°C to 130°C
<b>Vibration</b>	0.062" DA at 10 – 55 Hz
<b>Shock</b>	10g
<b>Enclosure</b>	PBT polyester
<b>Terminals</b>	Tinned copper alloy
<b>Weight</b>	19 grammes

### COIL

<b>Power</b>	
<b>At Pickup Voltage (typical)</b>	270mW
<b>Max Continuous Dissipation</b>	2.6W 20°C ambient 2.0W 40°C ambient
<b>Temperature Rise</b>	32°C at nominal coil voltage
<b>Max Temperature</b>	130°C

### NOTES

<ol style="list-style-type: none"> <li>All values at 20°C</li> <li>Relay may pull in with less than 'Must Operate' value</li> <li>PCB layout viewed towards terminals</li> <li>Specifications subject to change without notice</li> </ol>
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