

AZ732

MINIATURE POWER RELAY

FEATURES

Dielectric strength 4000 Vrms coil to contact
 Isolation spacing greater than 8mm
 Double pole – Forms A, B and C available
 10A switching
 SLIMPACK™ version saves board space
 Epoxy sealed version for automatic wave soldering and cleaning
 Approvals/Standards include : UL, CSA, VDE, IEC, SEMKO and CEE
 UL File E44211 ; CSA File LR85091 ;
 VDE 4120-4940-4002/A1



CONTACTS

Arrangement	DPDT (2 Form C)
Ratings	Resistive load : Max switched power : 300W, 2770VA Max switched current : 10A, 51A for 2ms Max switched voltage : 150*VDC / 400VAC UL Rating : 10A at 30VDC or 277VAC 0.125HP 120VAC motor load <small>*Note : If switching voltage is greater than 30VDC, special precautions must be taken. Please contact the factory.</small>
Material	Silver cadmium oxide
Resistance	<30 milliohms initially (at rated current, voltage drop method)

COIL

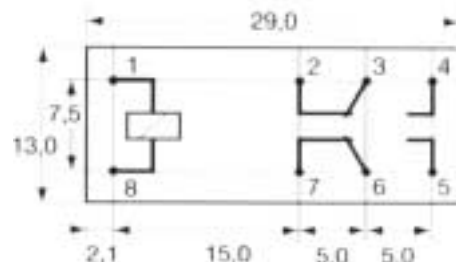
Power	
At Pickup Voltage (typical)	Standard coil 337mW Sensitive coil 250mW
Max Continuous Dissipation	1.9W 20°C ambient 1.4W 40°C ambient
Temperature Rise	Standard 40°C at nominal coil voltage Sensitive 32°C at nominal coil voltage
Max Temperature	110°C

NOTES

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

GENERAL DATA

Life Expectancy	Minimum operations 30 million
Mechanical	1x10 ⁵ at 10A 30VDC
Electrical	1x10 ⁵ at 10A 115VAC
Operate Time (typical)	7ms at nominal coil voltage
Release Time (typical)	2ms at nominal coil voltage (with no coil suppression)
Dielectric Strength (at sea level for 1 min)	4000 Vrms coil to contacts 2500 Vrms contact to contact 1000 Vrms between open contacts
Insulation Resistance	10,000 megohms min at 20°C. 500VDC, 50% RH
Dropout	Greater than 10% of nominal coil voltage
Ambient Temperature Operating	At nominal coil voltage Standard -55°C to 70°C Sensitive -55°C to 80°C
Storage	Both -55°C to 110°C
Vibration	0.062" DA at 10 – 55 Hz
Shock	20g
Enclosure	PBT polyester
Terminals	Tinned copper alloy, PC
Weight	20 grammes



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