

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

Arrangement	SPDT (1 Form C) SPST (1 Form A and 1 Form B)
Ratings	Resistive load: Max switching power : 300W or 2500VA Max switched current : 10A ; 64A for 2ms Max switched voltage : 150* VDC or 380VAC 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.
UL Rating	
Material	Silver cadmium oxide
Resistance	<30 milliohms initially (at rated current, voltage drop method)

COIL

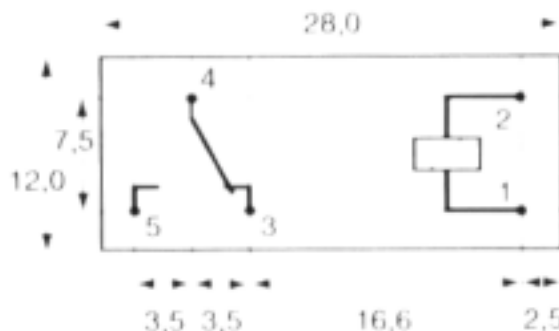
Power	
At Pickup Voltage (typical)	Standard coil 337mW Sensitive coil 234mW
Max Continuous Dissipation	1.9W at 20°C ambient 1.4W at 40°C ambient
Temperature Rise	Standard 40°C at nominal coil voltage Sensitive 26°C at nominal coil voltage
Max Temperature	110°C

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. Specifications subject to change without notice
5. Unsealed relays should not be dip cleaned

GENERAL DATA

Life Expectancy	Minimum operations 30 million operations
Mechanical	1x10 ⁵ at 10A, 30VDC or 115VAC 2x10 ⁵ at 8A, 250VAC
Electrical	
Operate Time (typical)	6ms 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 contact 1000 Vrms between open contacts
Insulation Resistance	10,000 megohms min at 500VDC, 20°C, 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 Both -55°C to 110°C
Storage	
Vibration	0.062" DA at 10 – 55 Hz
Shock	20g
Enclosure	PBT Polyester
Terminals	Tinned copper alloy, PC
Weight	17 grammes



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