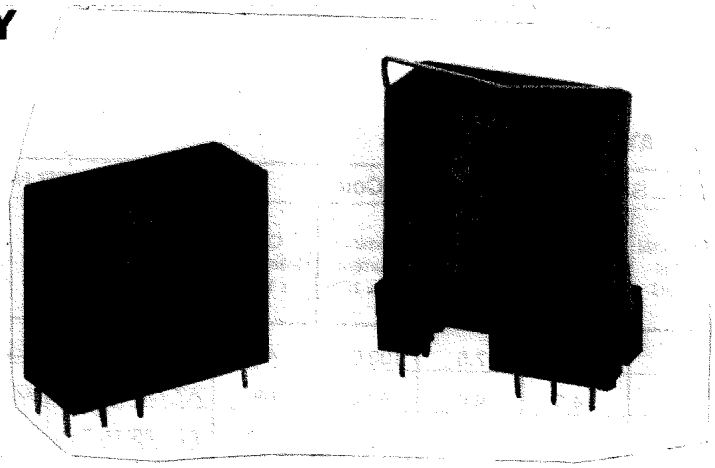
AZ 732
AZ 730 MINIATURE POWER RELAY



Features

- 4,000Vrms Dielectric Strength
- 8 Amp Switching Capability
- Isolation Spacing Greater Than 8mm
- Double-Pole, Forms A, B & C Available
- Life Expectancy to 30 Million Operations
- SLIMPAK Version Saves Board Space
- VDE 4120-4940-4002/A1
- UL File E44211
- Epoxy Sealed for Automatic Wave Soldering
- Approvals/Standards Also Include IEC, SEMKO & CEE

Specifications

Contacts

Arrangement	DPDT (2 Form C)
Rating	Noninductive load Max switched power: 300W or 2,770VA Max switched current: 10A; 51 Amps for 2msec Max switched voltage: 150*VDC or 277VAC
UL, CSA Rating	10A @ 30VDC or 277VAC 1/8 HP 120VAC Motor Load **Note: If switching voltage is greater than 30VDC, special precautions must be taken.*
Material	Silver Cadmium Oxide
Resistance	30 milliohms initially

Coil

Power at Pickup Voltage (typical)	Standard coil: 337mW Sensitive coil: 250mW
Max Continuous Dissipation	1.9W @ 20C (68F) ambient 1.4W @ 40C (104F) ambient
Temperature Rise (at nominal voltage)	Standard: 40C (104F) Sensitive: 32C (90F)
Temperature	110C (230F) Maximum

General Data

Life Expectancy Mechanical Electrical	Minimum operations 30,000,000 100,000 @ 8A, 30VDC 200,000 @ 8A, 115VAC or 6A, 250VAC
Operate Time	7ms at nominal voltage (typical)
Release Time (typical)	2ms at nominal coil voltage with no coil suppression
Dielectric Strength (at sea level)	4,000Vrms coil to contact 2,500Vrms contact to contact 1,000Vrms between open contacts
Insulation Resistance	10,000 megohms min @ 20C (68F), 500VDC, 50% RH
Dropout	> 10% of nominal coil voltage
Ambient Temp (operating) (storage)	At nominal coil voltage Standard: -55C (-67F) to 70C (158F) Sensitive: -55C (-67F) to 80C (176F) -55C (-67F) to 110C (230F)
Vibration	0.062" DA @ 10-55 Hz
Shock	20g
Enclosure	P.B.T. Polyester
Terminals	Tinned copper alloy, P.C.
Max Solder Temp	270C (518F)
Max Solder Time	5 seconds
Max Solvent Time	60C (176F)
Immersion Time	30 seconds maximum
Weight	20 grams

Notes

1. All values at 20C (68F) unless otherwise indicated
2. Relay may pull in with less 'Must Operate' value
3. Unsealed relays should not be dip cleaned
4. Specifications subject to change without notice

Relay Ordering Data

Standard - 2 Form C (DPDT)

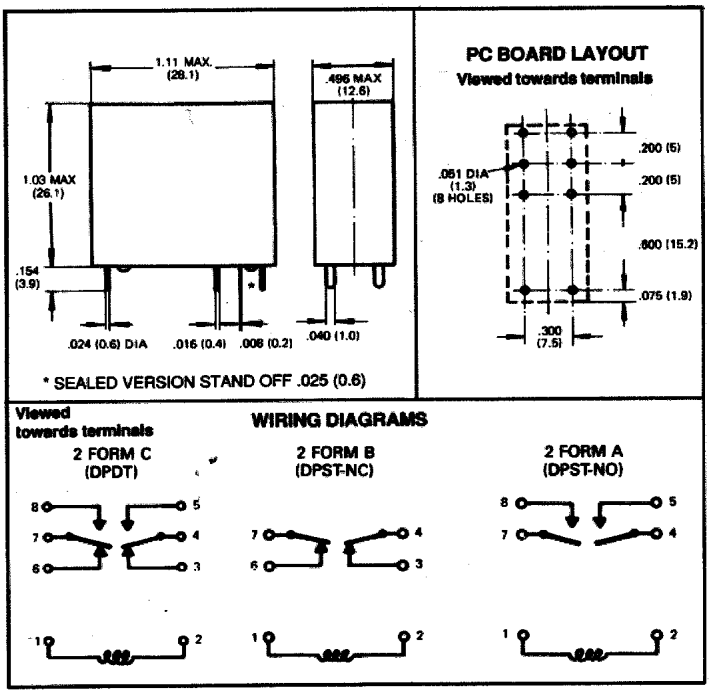
Coil Specifications				ORDER NUMBER	
Coil VDC nominal	Max VDC continuous	Coil Resistance	Must Operate VDC	Unsealed	Sealed
5	8	38	3.5	AZ 732-125-2*	AZ 2732-125-2*
6	10	58	4.2	AZ 732-112-2	AZ 2732-112-2
12	19	215	8.4	AZ 732-08-2	AZ 2732-08-2
24	35	740	16.8	AZ 732-560-2	AZ 2732-560-2
48	74	3,200	33.6	AZ 732-04-2	AZ 2732-04-2

Sensitive - 2 Form C (DPDT)

Coil Specifications				ORDER NUMBER	
Coil VDC nominal	Max VDC continuous	Coil Resistance	Must Operate VDC	Unsealed	Sealed
5	8	47	3.5	AZ 732-118-52*	AZ 2732-118-52*
6	10	70	4.2	AZ 732-010-52	AZ 2732-010-52
12	21	270	8.4	AZ 732-071-52	AZ 2732-071-52
24	41	1,100	16.8	AZ 732-052-52	AZ 2732-052-52
48	80	4,400	33.6	AZ 732-518-52	AZ 2732-518-52

*Substitute '4 or 84', '8 or 88' in place of '2 or 82' to indicate 2 Form A & 2 Form B respectively.

Mechanical Dimensions



Dimensions in inches with metric equivalents in parentheses. Tolerance is 0.010"