

Contact Rating

- Nominal Load (Resistive Load $\cos \varphi = 1$)
- Contact Capacity 1A at 120VAC.
- 1A at 24VDC.
- Rated Carrying Current 1A.
- Max. Allowable Current 1A.
- Max. Allowable Voltage AC 120V, DC 60V.
- Max. Allowable Power Force 130 VA, 30W.
- Min. Switching Load DC 1V, 1mA.
- Contact Material Ag Alloy.
- Contact Form SPST & SPDT.

Performance (at Initial Value)

- Contact Resistance 100mΩ Max.@100mA,6VDC
- Operate Time..... 5 mSec. Max. (D Type)
10 mSec. Max. (L Type)
- Release Time 4 mSec. Max.
- Dielectric Strength :
Between Coil & Contact 500VAC at 50/60 Hz
for one minute.
Between Contacts 500VAC at 50/60 Hz
for one minute.
- Surge Resistance 1,000V (between coil
& contact 1.2x50μSec.)
- Insulation Resistance 100 Mega Ω Min. at
500VDC.
- Max. On/Off Switching :
Electrical 30 Ops per Minute.
Mechanical 300 Ops per Minute.

Main Feature

1. AZ Relay Performs high reliability in dry circuit.
2. High density design is available on P.C. Board with size of 10.4x15.4x11.2 in mm and the weight of 3.5 grams.
3. The Employment of 2.54mm terminal pitch is equal to I.C.'s terminal pitch.
4. The low power consumption of AZ-L type and general power consumption type of AZ-D are prepared for user's wide selection.
5. Complete protective construction is designed from dust and soldering flux. In addition, the plastic sealed type is prepared for washing procedure.

Application

Telecommunication, Domestic Appliances, Office Machine, Audio Equipment, etc.

- Temperature Range -30~55°C (D Type)
-30~75°C (L Type)
- Humidity Range..... 45~85% RH.
- Coil Temperature Rise..... 43°C Max. (D Type)
25°C Max. (L Type)
- Vibration :
Endurance 10 to 55 Hz dual
amplitude width 1.5mm.
Error Operation..... 10 to 55 Hz dual
amplitude width 1.5mm.
- Shock :
Endurance 500 m/S² Min.
Error Operation..... 100 m/S² Min.
- Life Expectancy :
Mechanical 10⁷ Operations at No
Load condition.
Electrical 10⁵ Operations at Rated
Resistive Load.
- Weight About 3.5 g.

Safety Standard & Its File Number

- UL.....E141060
- CSA.....LR76598

Coil Specification (at 20°C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
AZ-D	3	150	20	Abt. 0.45	70% Maximum	5% Minimum	130%
	5	89	56				
	6	75	80				
	9	50	180				
	12	37.5	320				
	24	18.8	1,280				
AZ-L	3	66.7	45	Abt. 0.20	75% Maximum	5% Minimum	130%
	5	41.6	120				
	6	33.3	180				
	9	22.5	400				
	12	17	700				
	24	8.6	2,800				

Ordering Information

AZ - SS - 1 12 D M

Contact Form:

Nil: One Form C
M: One Form A

Coil Type:

D: Standard DC Coil
L: High Sensitivity DC Coil

Coil Voltage:

03: 3V, 05: 5V, 06: 6V, 09: 9V, 12: 12V, 24: 24V

Number of Pole:

1: One Pole

Type of Sealing:

SS: Flow Solder Type

SH: Plastic Sealed Type

Type:

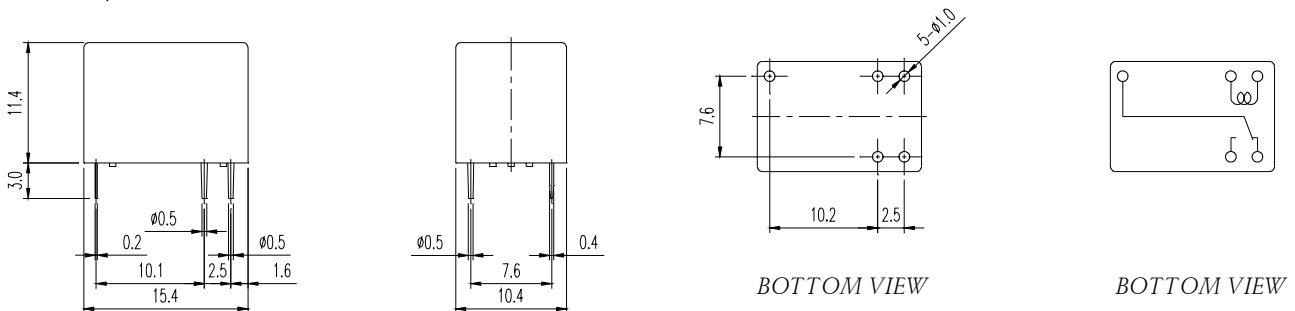
AZ

Classification

Model	AZ			
Coil Sensitivity	Standard Type		High Sensitivity Type	
Contact Form	1C	1A	1C	1A
Flow Solder Type	AZ-SS-1□□D	AZ-SS-1□□DM	AZ-SS-1□□L	AZ-SS-1□□LM
Plastic Sealed Type	AZ-SH-1□□D	AZ-SH-1□□DM	AZ-SH-1□□L	AZ-SH-1□□LM

Dimension

AZ-SS/SH



Reference Data

