



MAIN FEATURE

1. High reliability in dry circuit condition.
2. 2.54mm terminal pitch employment equivalent to I.C. Terminal.
3. Two types of coil sensitivity for design flexibility.
4. IC compatibility due to its low power consumption.
5. Comply with RoHS and REACH regulations.

CONTACT RATING

Load Type	AZ (DM/LM)	AZ (D/L)
Rated Load (Resistive)	1A 120VAC	1A 120VAC
	1A 24VDC	1A 24VDC
Rated Carrying Current	1A	1A
Max. Allowable Voltage	AC 120V	AC 120V
	DC 60V	DC 60V
Max. Allowable Current	1A	1A
Max. Allowable Power Force	120VA	120VA
	24W	24W
Min. Switching Load	DC 1V, 1mA	DC 1V, 1mA
Contact Material	Ag Alloy	Ag Alloy
Contact Form	SPST	SPDT

APPLICATION

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

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 Strength 1,000V (between coil & contact 1.2x50μSec.)
- Insulation Resistance 100 Mega Ω Min. at 500VDC
- Max. On/Off Switching:
Electrical 6 Cycles per Minute
Mechanical 300 Cycles per Minute

- 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:
Destruction 10 to 55 to 10 Hz, 0.75 mm single
amplitude (1.5mm double amplitude)
Malfunction 10 to 55 to 10 Hz, 0.75 mm single
amplitude (1.5mm double amplitude)
- Shock:
Destruction 500 m/S²
Malfunction 100 m/S²
- Life Expectancy:
Mechanical 10⁷ Operations at No
Load condition
Electrical 10⁵ Operations at Rated
Resistive Load
- Weight About 3.5 g

SAFETY STANDARD & FILE NUMBER

- UL & C-UL E141060
- TÜV R50192493

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				
AZ-L	3	66.7	45	Abt. 0.20	75% Maximum	5% Minimum	130%
	5	40	125				
	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 Sensitivity: D: Standard DC
L: High DC

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

Number of Pole: 1: One Pole

Type of Sealing: SS: RT II Flux Proofed
SH: RT III Wash Tight

Type: AZ

CLASSIFICATION

Model	AZ			
	Standard DC		High DC	
Contact Form	1C	1A	1C	1A
Flux Proofed	AZ-SS-1□□D	AZ-SS-1□□DM	AZ-SS-1□□L	AZ-SS-1□□LM
Wash Tight	AZ-SH-1□□D	AZ-SH-1□□DM	AZ-SH-1□□L	AZ-SH-1□□LM

DIMENSION (≤ 5mm ± 0.2mm, > 5mm ± 0.3mm, the tolerance of PCB thru hole: +0.1mm)

