

2. Socket

Applicable limit switches	Specifications	Part No.
Exposed terminal types	L socket	AZ3806
	Socket with cord (1 m)	AZ3807
	Socket with cord (2 m)	AZ3827
	Socket with cord (3 m)	AZ3837
	Socket with cord (5 m)	AZ3857

3. Socket with LED

Applicable limit switches	Lamp connection	Lamp rating	Part No.
Exposed terminal types	Normally open connection	6V DC	AZ3807162
		12V DC	AX3807161
		24V to 48V DC	AZ380716
	Normally closed connection	6V DC	AZ3807362
		12V DC	AZ3807361
		24V to 48V DC	AZ380736

Notes) 1. Types with 24 to 48V DC lamp rating are recommended for PC input use.
2. The following cord lengths are also available and lot-produced upon request.

Cord length	Part No.
2m 6.562ft.	AZ38 [2]7*6*
3m 9.843ft.	AZ38 [3]7*6*
5m 16.404ft.	AZ38 [5]7*6*

The 5th digit (boxed) of product code denotes the length of cord.
Numerals come in the asterisked (*) digits, which show the lamp specifications.
The 7th digit: 1: N.O. connection, 3: N.C. connection
The 9th digit: None: 24 to 48V DC, 1: 12V DC, 2: 6V DC

FOREIGN STANDARDS

Standards	Applicable product	Part No.
UL recognized product	File No. : E122222 Ratings : 5A 250V AC Product type : All products	Add "9" to the end of the part No.
CSA certified product	File No. : LR55880 Ratings : 5A 250V AC Product type : All products excluding socket with cord types.	

SPECIFICATIONS

1. Rating

Rated control voltage	125V AC	250V AC	30V DC	125V DC
Resistive load (cos φ≒1)	5A	5A	5A	0.4A
Inductive load (cos φ≒0.4)	3A	3A	3A	0.1A

2. Characteristics

Contact arrangement	1 From C	
Initial contact resistance, max.	50 mΩ (By voltage drop 5 to 6V DC 1A)	
Contact material	Ag alloy (Contains cadmium.)	
Initial insulation resistance (At 500V DC)	Min. 100MΩ	
Initial breakdown voltage	Between non-consecutive terminals	1000 Vrms for 1 min
	Between dead metal parts and each terminal	1500 Vrms for 1 min
	Between ground and each terminal	1500 Vrms for 1 min
Shock resistance	In the free position	Max. 300 m/s ² (Approx. 30G) (Adjustable rod type and adjustable roller arm type: Min. 100m/s ² (Approx. 10G))
	In the full operating position	
Vibration resistance	10 to 55 Hz, double amplitude of 1.5 mm	
Expected life (min. operations)	Mechanical	10 ⁷ (at 120 cpm)
	Electrical	3 × 10 ⁵ (at 20 cpm, 5A 250V resistive load)
Ambient temperature	-20 to +60°C -4 to +140°F	
Ambient humidity	Max. 95% R.H.	
Max. operating speed	120 cpm	

3. Operating characteristics

Characteristics	Operating Force [O.F.] (N{gf}) max.	Release Force [R.F.] (N{gf}) min.	Pretravel [P.T.], max. mm inch	Movement Differential [M.D.] max. mm inch	Overtravel [O.T.], min. mm inch	Totaltravel [T.T.], min.
Actuator						
Push plunger	6.86 {700}	0.69 {70}	1 .039	0.15 .006	4 .157	—
Roller plunger	6.86 {700}	0.69 {70}	1 .039	0.15 .006	4 .157	—
Cross roller plunger	6.86 {700}	0.69 {70}	1 .039	0.15 .006	4 .157	—
Roller arm	4.41 {450}	0.24 {25}	15°± 3°	3°	—	80°
Adjustable rod	4.41 {450} to 1.11 {113}	0.24 {25} to 0.06 {6}	15°± 3°	3°	—	80°
Adjustable roller arm	4.41 {450} to 2.01 {205}	0.24 {25} to 0.11 {11}	15°± 3°	3°	—	80°

Note) For the operating characteristics, refer to the TECHNICAL INFORMATION.

4. Protective characteristics

Protective construction IEC	Switch body	L socket type	Type with socket and cord
IP64	○	○	○
IP65	○	—	—
IP66	○	—	—

Note) For the switch proper, protect its terminals.

5. LED rating

Rated operating voltage	Operating voltage range	Internal resistance
6V DC	5 to 15V DC	2.4kΩ
12V DC	9 to 28V DC	4.7kΩ
24 to 48V DC	20 to 55V DC	15kΩ