



**CLZ SERIES : Aluminum Cast body**

**FEATURES**

- Compact Design, Water and dust Proof
- Aluminum Base and High Grade ABS Cover
- Wide Variety Of Actuators For Different Application
- Double Spring Construction For Longer Mechanical Life
- Contact Rating 10A/230VAC (resistive low)
- Positive opening NC Contact ( forcibly separates the NC contact even when there is contact deposit )



**CHARACTERISTICS**

Operating Speed	0.5mm-50cm/sec
Operating Frequency	Mechanical: 120 operations/minuts Electrical: 30 operations/minuts
Contact Resistance	25mΩ max.(initial value)
Insulation Resistance	100mΩ min.(below 500VDC)
Dielectric Strength	1000VAC, 50/60Hz for 1 minute between terminals of the same polarity
	1500VAC, 50/60Hz for 1 minute between current-carrying and non-current metal parts
Vibration	10-55Hz, 1.5mm double amplitude
	Mechanical durable: 1,000m/Sec <sup>2</sup> (about 100G'S) Electical: 300m/Sec <sup>2</sup> (about 30G'S)
Shock	
Ambient temperature	-20~+70°C (with no icing)
Humidity	<95%RH
Life	Mechanical: 10 million operations above
	Electrical: 500,000 operations above
Degree of protection	IP65 (IEC Standard)

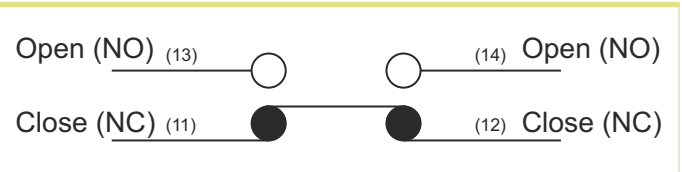
**RATING**

Rated Voltage	Non-inductive Load (A)		Inductive Load (A)					
	Resistance Load		Lamp Load	Motor Load				
	NC	NO	NC	NO				
125VAC	5	5	1.5	0.7	3	3	2	1
250VAC	5	5	1	0.5	3	3	1.5	0.8
8VDC	5	5	3	3	5	4	3	3
14VDC	5	5	3	3	4	4	3	3
30VDC	5	5	3	3	4	4	3	3
125VDC	0.4	0.4	-	-	-	-	-	-
250VDC	0.2	0.2	-	-	-	-	-	-

**ORDER CODE**

MODEL	DESCRIPTION	MPQ
CLZ-8104	ROLLER LEVER TYPE	10
CLZ-8104S	MS ROLLER LEVER TYPE	10
CLZ-8107	ADJUSTABLE LEVER	10
CLZ-8108	ADJUSTABLE ROLLER LEVER	10
CLZ-8108S	ADJUSTABLE MS ROLLER LEVER	10
CLZ-8111	PLUG COLUMN TYPE	10
CLZ-8112	ROLLER PLUG COLUMN TYPE	10
CLZ-8122	CROSS ROLLER PLUG COLUMN	10
CLZ-8166	SPRING SOFT ROD TYPE	10
CLZ-8167	SPRING WIRE TYPE	10
CLZ-8168	SPRING WIRE HARD ROD	10
CLZ-8169	SPRING WIRE ROD TYPE	10

**CONTACT FORM**



**OPERATING CHARACTERISTICS**

MODEL	Operating Force	Release Force	Pre Travel	Over Travel	Movement Defential	Total Travel	Operating Position
ROLLER LEVER TYPE (CLZ-8104)	750g	100g	20°	50°	12°	95°	-
MS ROLLER LEVER TYPE (CLZ-8104S)	750g	100g	20°	50°	12°	95°	-
ADJUSTABLE LEVER (CLZ-8107)	750g	100g	20°	50°	12°	95°	-
ADJUSTABLE ROLLER LEVER (CLZ-8108)	750g	100g	20°	50°	12°	95°	-
ADJUSTABLE MS ROLLER LEVER (CLZ-8108S)	750g	100g	20°	50°	12°	95°	-
PLUG COLUMN TYPE (CLZ-8111)	900g	150g	1.5mm	4mm	1mm	5.5mm	26±0.8mm
ROLLER PLUG COLUMN TYPE (CLZ-8112)	900g	150g	1.5mm	4mm	1mm	5.5mm	37±0.8mm
CROSS ROLLER PLUG COLUMN (CLZ-8122)	900g	150g	1.5mm	4mm	1mm	5.5mm	37±0.8mm
SPRING SOFT ROD TYPE (CLZ-8166)	150g	-	30mm	-	-	-	-
SPRING WIRE TYPE (CLZ-8167)	150g	-	30mm	-	-	-	-
SPRING WIRE HARD ROD (CLZ-8168)	150g	-	30mm	-	-	-	-
SPRING WIRE ROD TYPE (CLZ-8169)	150g	-	30mm	-	-	-	-

**CLZ-8104**

ROLLER LEVER TYPE

**CLZ-8104S**

**METAL ROLLER**

MS ROLLER LEVER TYPE

**CLZ-8107**

ADJUSTABLE LEVER

**CLZ-8108**

ADJUSTABLE ROLLER LEVER

**CLZ-8108S**

**METAL ROLLER**

ADJUSTABLE MS ROLLER LEVER

**CLZ-8111**

PLUG COLUMN TYPE

**CLZ-8112**

ROLLER PLUG COLUMN TYPE

**CLZ-8122**

CROSS ROLLER PLUG COLUMN

**CLZ-8166**

SPRING SOFT ROD TYPE

**CLZ-8167**

SPRING WIRE TYPE

**CLZ-8168**

SPRING WIRE HARD ROD

**CLZ-8169**

SPRING WIRE ROD TYPE