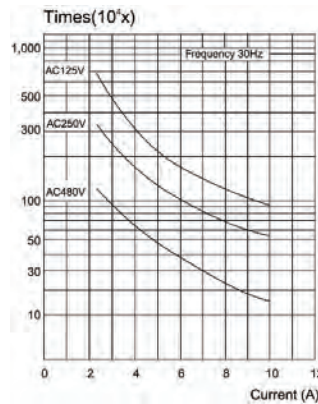




Features

- Economical & plastic type
- Stainless steel roller, punch and spring
- Swing amplitude, extra large 95°
- PG13.5 cable gland that can be equipped.

Electrical life



Specifications

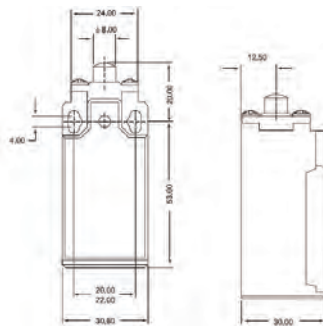
Model	CLS	101 301	103 303	111 311	121 321	127 327	131 331	161 361	171 371	181 381	191 391
Operating force	OF Max	700g	700g	700g	500g	700g	500g-cm	100g	100g	100g	500g-cm
Release force	RF Min	200g	200g	200g	100g-cm	200g	100g-cm	40g	40g	40g	100g-cm
Pre-travel	PT Max	1.8mm	1.8mm	1.8mm	20°	1.8mm	20°	30mm	30mm	30mm	20°
Tripping position	TP ± 10%	2.0mm	2.0mm	2.0mm	22.5°	2.0mm	22.5°	22.5°	22.5°	22.5°	22.5°
Movement differential	MD Max	1.2mm	1.2mm	1.2mm	10°	1.2mm	10°	14°	14°	14°	10°
Over travel	OT Min	4.0mm	4.0mm	4.0mm	75°	4.0mm	75°	20mm	20mm	20mm	75°
Total travel	TT Min	5.8mm	5.8mm	5.8mm	95°	5.8mm	95°	50mm	50mm	50mm	95°
Rotary indexing					22.5°		22.5°				

Characteristics

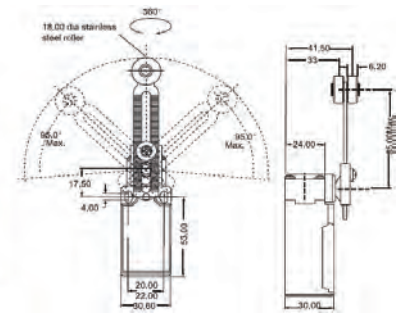
Double Break Mechanism	INO+INC Force Break snap action
Rated Voltage / Current	10(4)A, 125, 250VAC / 6(2)A, 380VAC For inductance Load, Cos = Φ 0.4
Contact Resistance	25m Ω max. (initial value)
Insulation Resistance	100m Ω min. (at 500VDC)
Dielectric Strength	1000VAC, 50/60 HZ for 1 minute between terminals of the same polarity
	1500VAC, 50/60 HZ for 1 minute between current-carrying and non-current-carrying metal parts
	1500VAC, 50/60 HZ for 1 minute between each terminal and ground
Electrical Life	500,000 at 10A 250VAC Resistive
Mechanical Life	10, 000, 000 operations min. (under rated conditions)
Operating Speed	5mm/s to 0.5m/s
Degree of Protection	IP65
Ambient Temperature Rised	Max 30°C over ambient temperature at rated voltage/current
Conformed Standards	Cenelec EN 50041, EN 50047, IEC 337-1, VDE 0660
Operating Temperature	-5°C~+65°C(with no icing)
Storage Temperature	-5°C~+65°C(with no icing)
Ambient Operating Humidity	95°C RH Max.
Shock Resistance	Mechanical durable: 1000m/s ² min.
	Malfunction: 300m/s ² min.
Vibration Frequency	Malfunction: 10 to 55HZ, 1.5mm double amplitude
Terminal Screw Torsional Force	6-8 kgf-cm
Other Screw Torsional Force	Cover 12-14 kgf-cm/Head 8-9 kgf-cm/Mounting 50-60 kgf/cm
Bare Wire Diameter	Φ 2Max
Cable Diameter	Φ 12 Max(IP 65 if use cable Φ 8-9)

Appearance and dimension

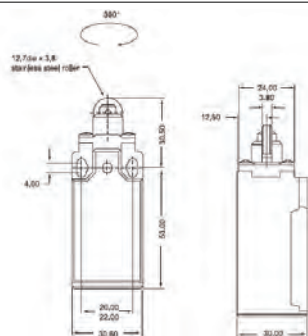
CLS-101



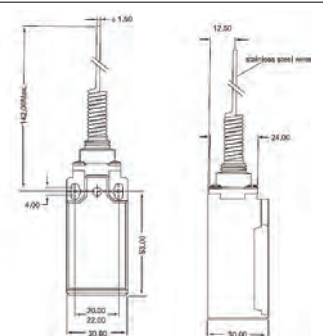
CLS-131



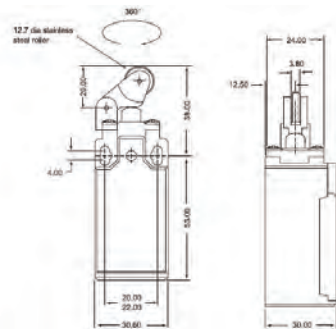
CLS-103



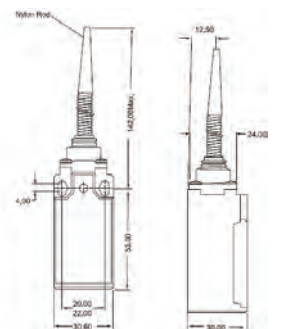
CLS-161



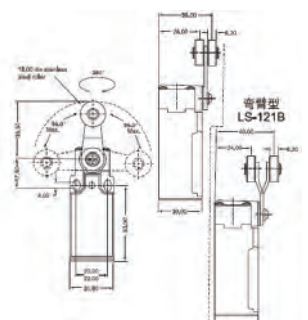
CLS-111



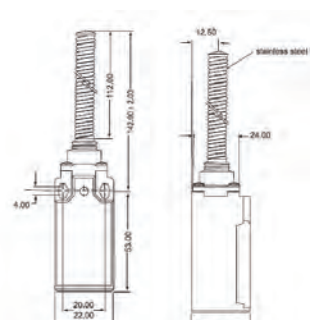
CLS-17



CLS-121



CLS-181



Appearance and dimension

