

Two-Circuit Limit Switch w/Wide Selection to the Operating Environment/Application

- Microload models are added to SL51 product lineup.
- Approved by UL, CSA, CCC.

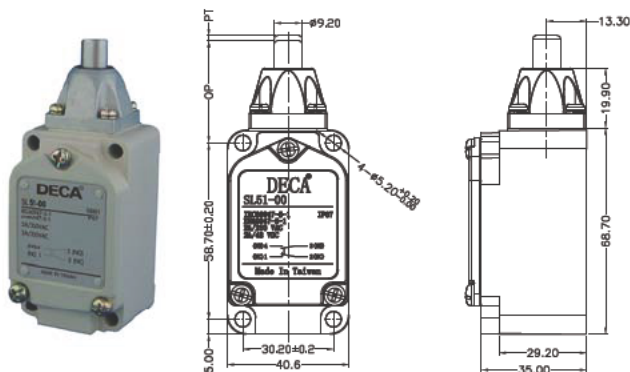
■ Operating Characteristics

Degree of protection		IP67
Durability	Mechanical	15,000,000 operations
	Electrical	750,000 operations
Operating Speed		1mm-1m/s (SL51-40情况)
Operating Frequency	Mechanical	120 operations/min
	Electrical	30 operations /min
Rated Frequency		50/60Hz
Insulation Resistance		100MΩ min 以上 (DC500V)
Contact Resistance		25mΩ max. (initial value)
Dielectric Strength	Between terminals of same polarity	AC1,000V(600V) 50/60Hz for 1min
	Between current-carrying metal parts and ground	AC2,200V (1,500V) 50/60Hz 1min Uimp 2.5kV
	Between each terminal and non-current-carrying metal part	AC2,200V (1,500V) 50/60Hz 1min Uimp 2.5kV
Rated insulation voltage (Ui)		250V(EN60947-5-1)
Pollution degree (Application environment)		3 (EN60947 5 1)
Conditional short-circuit current		100A(EN60947 5 1)
Rated open thermal current(I _{th})		10A,0.5A(EN60947 5 1)
Degree of protection against electric shock		Class I
Vibration Resistance	Malfunction	10 55 Hz , 1.5 mm double amplitude
Shock Resistance	Destruction	1,000m/s ² min.
	Malfunction	300m/s ² min.
Ambient operating temperature range		10~+80°C with no icing
Ambient operating humidity range		35% ~ 95%RH
Packing		1pc /Box

Note: 1. Above values of these characteristics are initial values. 2. Above values of these characteristics may be depending on different models. If any requirements, pls contact our sales representative. 3. Above durability is for an ambient temperature of 5 to 35°C and ambient humidity of 40% to 70%. If any requirements, pls contact our sales representative.

SL51-00

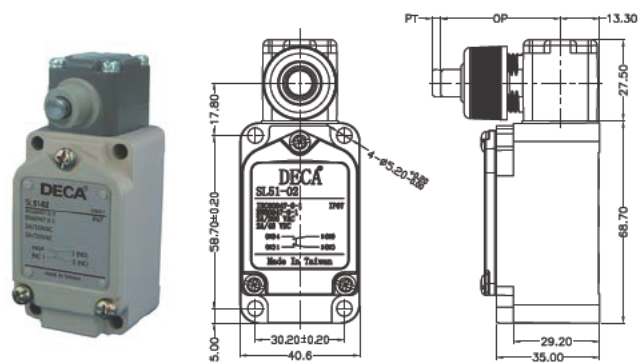
● Top Plunger



Weight: 197.80g

SL51-02

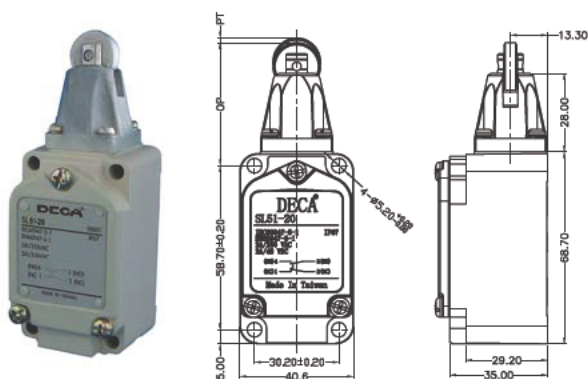
● Horizontal Plunger



Weight: 258.40g

SL51-20

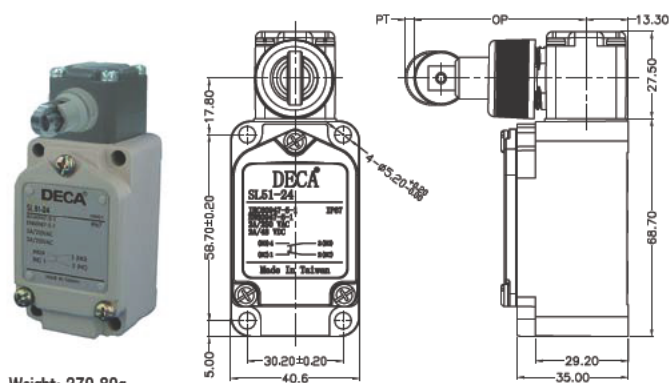
● Top-roller Plunger



Weight: 204.50g

SL51-24

● Horizontal-roller Plunger



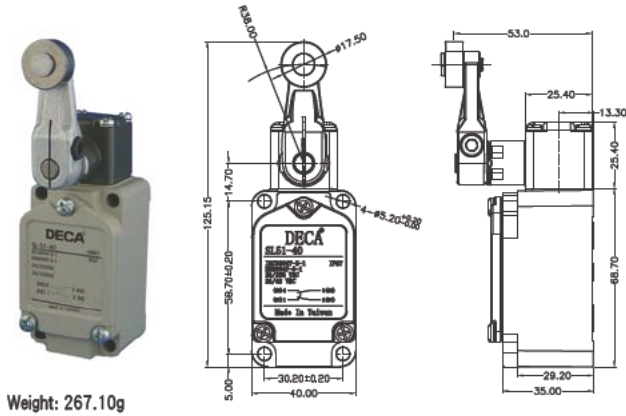
Weight: 270.80g

Operating Characteristics

O.Characteristics		Model	SL51-00	SL51-02	SL51-20	SL51-24
OF	MAX		26.67N	40.03N	26.67N	40.03N
RF	MIN		8.92N	8.89N	8.92N	8.89N
PT	MAX		1.7mm	2.8mm	1.7mm	2.8mm
OT	MIN		6.4mm	6.4mm	5.6mm	5.6mm
MD	MAX		1mm	1mm	1mm	1mm
OP			34 ± 0.8mm	40.6 ± 0.8mm	44 ± 0.8mm	54.2 ± 0.8mm
TTP	MAX		29.5mm	—	39.5mm	—

SL51-40

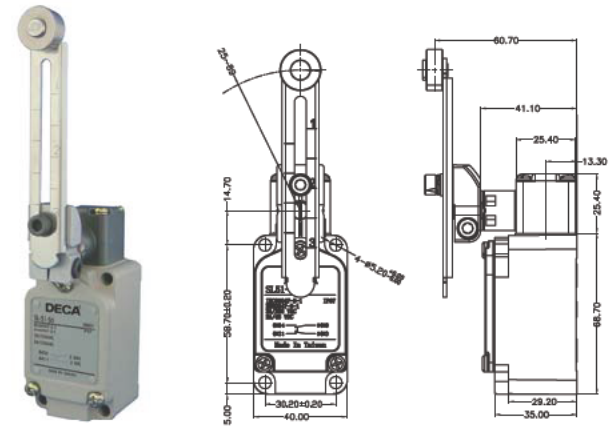
- Vertical Standard Roller Lever



Weight: 267.10g

SL51-50

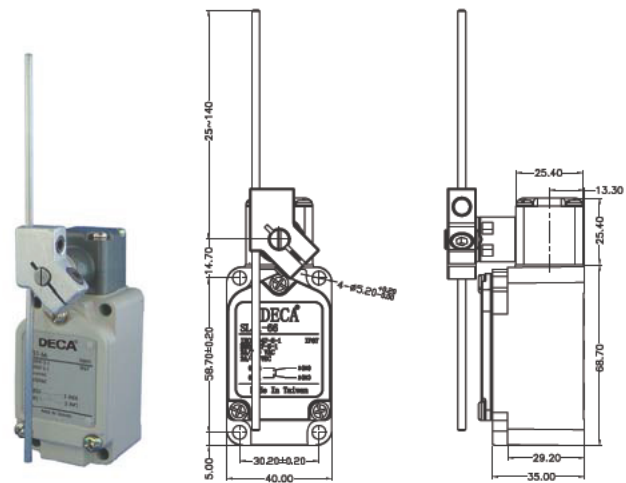
- Adjustable Roller Lever



Weight: 289.30g

SL51-66

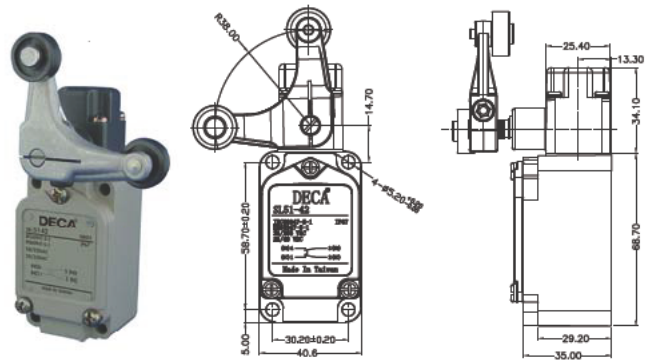
- Adjustable Rod Lever



Weight: 266.30g

SL51-42

- Fork Lever Lock



Weight: 277.30g

Operating Characteristics

O. Characteristics	Model	SL51-40	SL51-50	SL51-66
OF	MAX	16.0N	16.0N	1.39N
RF	MIN	2.23N	2.23N	0.27N
PT	MAX	15 ± 5°	15 ± 5°	15 ± 5°
OT	MIN	30°	30°	30°
MD	MAX	12°	12°	12°
OP	TTP MAX	---	---	---

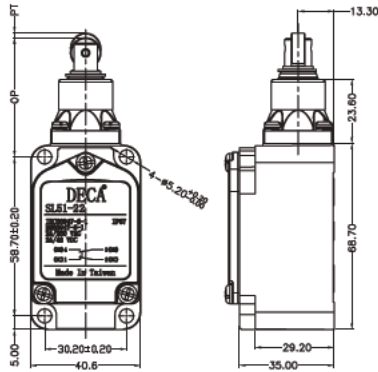
O. Characteristics	Model	SL51-42
	MAX	11.77N
		50 ± 5°
	MAX	55°
	MIN	35°

SL51-22

● Sealed Top-roller Plunger



Weight: 207.10g

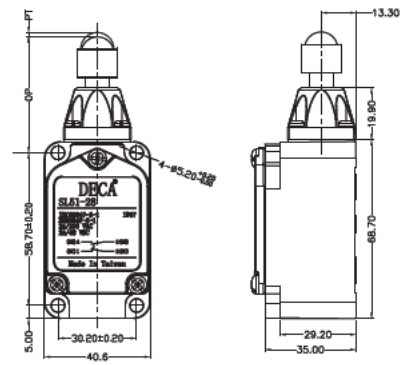


SL51-28

● Top-ball Plunger



Weight: 209.10g

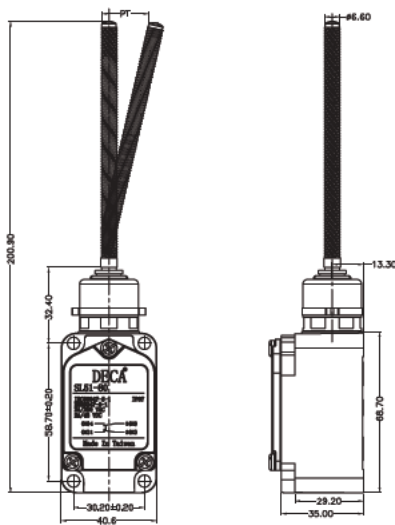


SL51-80

● Coil Spring (Stainless Steel)



Weight: 212.20g

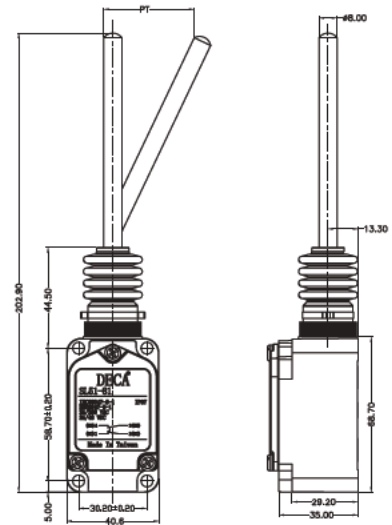


SL51-81

● Coil Spring (Resin Rod)



Weight: 227.00g



SL51

Operating Characteristics

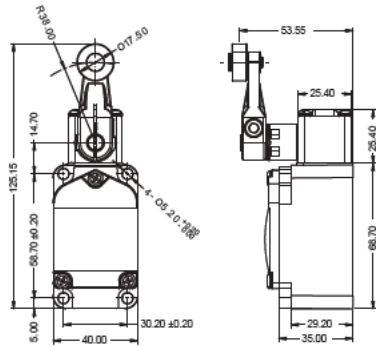
O.Characteristics		Model	SL51-22	SL51-28	SL51-80	SL51-81
OF	MAX		16.67N	26.67N	1.47N	1.47N
RF	MIN		4.41N	8.92N	—	—
PT	MAX		1.7mm	1.7mm	20 ± 10mm	40 ± 10mm
OT	MIN		5.6mm	4mm	—	—
MD	MAX		1mm	1mm	—	—
OP			44 ± 0.8mm	44.5 ± 0.8mm	—	—
TTP	MAX		39.5mm	41mm	—	—

SL51-40LD

- Vertical Standard Roller Lever (w/LED)



Weight: 278.80g



■ Operating Characteristics

O. Characteristics		Model	SL51-40LD
OF	MAX		13.34N
RF	MIN		2.23N
PT	MAX		15 ± 5°
OT	MIN		30°
MD	MAX		12°
OP			---
TTP	MAX		---