

SL Series Limit Switch

Honeywell

FEATURES

Asia standard dimension
Design for small mounting space.
10A current capacity
Long mechanical life 1x10⁷ operations
Wide range of actuators available
UL, cUL, CCC, CE approved
IP65 (standard type) and IP67 (precision type) Rated
Precision type SLP has built-in IP67 rated cable gland
(also available in M12 quick connector type)



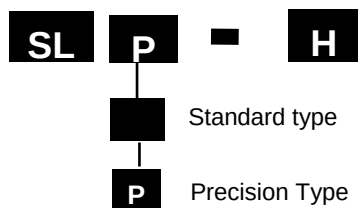
Applications:

General Machinery
Conveyer, Transportation Equipments
Specialty Machinery
Packaging Machinery

Selection guide

Switch Type

Actuator



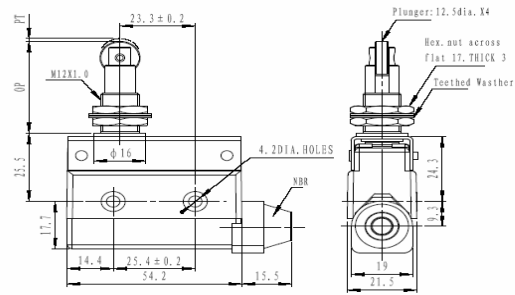
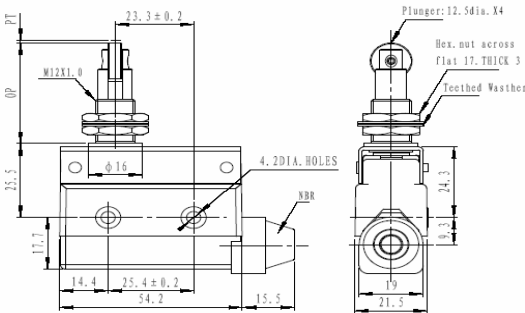
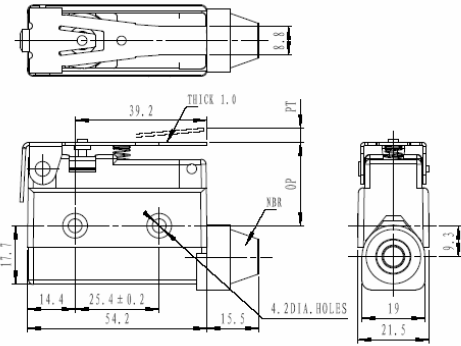
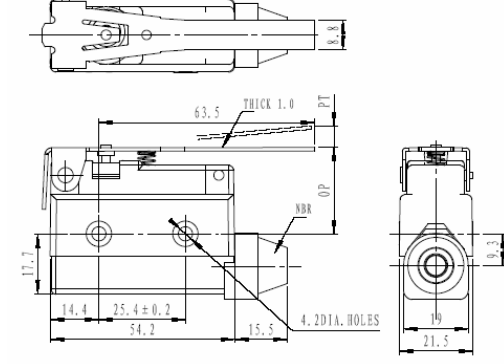
Characteristics

	SL (standard type)	SLP (precision type)
Contact Type, Contact Material	SPDT, Silver Alloy	SPDT, Silver Alloy (Gold plated contact available)
Actuator	See Selection guide	
Operating Speed	0.05mm ~ 2m/s	0.05mm ~ 0.5m/s
Operating Frequency	Mechanically: 120 ops/min, Electrically: 30 ops/min	
Rated Current/Voltage	10A/250VAC (EN60947-5-1)	Silver: 5A/250VAC or 5A/30VDC Gold plated: 0.1A/250VAC or 0.1A/30VDC
Contact Resistance	<25mΩ (initial)	
Insulation Resistance	>100MΩ@500V DC	
Dielectric Strength	1000VAC for 1 min between current carrying parts 2500VAC for 1 min between non-current carrying part	
Service Life	Mechanically: 5,000,000 ops Electrically: 500,000 ops at maximum rating	Mechanically: 5,000,000 ops Electrically: 500,000 ops at maximum rating
Shock	Free position:<10G, Maximum position: <30G	
Vibration	10 to 55 Hz, 1.5 mm double amplitude (excluding spring coil type)	
Operating Temperature	-20 to 60℃	-30 to 80℃
Certification	CE, CCC, UL (E313809)	CE, CCC
Degree of Protection	IP64	IP67

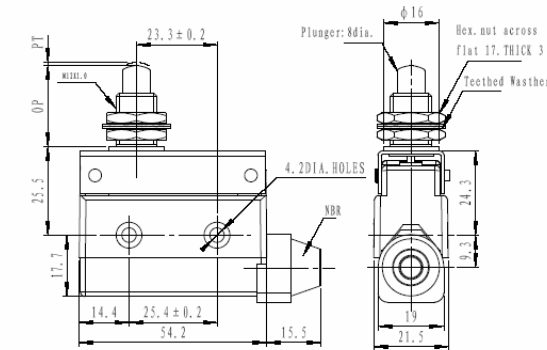
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Dimensions and Operating Characteristics

<SL-A> 	 Plunger: 12.5dia. X4 Hex. nut across Flat 17. THICK 3 Toothed Washer 动作特性 • OFmax 5.88N • RFmin 0.98N • PTmax 2.0mm • OTmin 6.0mm • MDmax 0.8mm • FPmax 35.3mm • OP 33.3 ± 1.2mm
<SL-A1> 	 Plunger: 12.5dia. X4 Hex. nut across Flat 17. THICK 3 Toothed Washer 动作特性 • OFmax 5.88N • RFmin 0.98N • PTmax 2.0mm • OTmin 6.0mm • MDmax 0.8mm • FPmax 35.3mm • OP 33.3 ± 1.2mm
<SL-B> 	 THICK 1.0 动作特性 • OFmax 2.16N • RFmin 0.59N • PTmax 8.5mm • OTmin 2.5mm • MDmax 2.0mm • FPmax 33.5mm • OP 25 ± 1.3mm
<SL-B1> 	 THICK 1.0 动作特性 • OFmax 1.47N • RFmin 0.39N • PTmax 13.5mm • OTmin 4.0mm • MDmax 3.2mm • FPmax 38.5mm • OP 25 ± 2.0mm

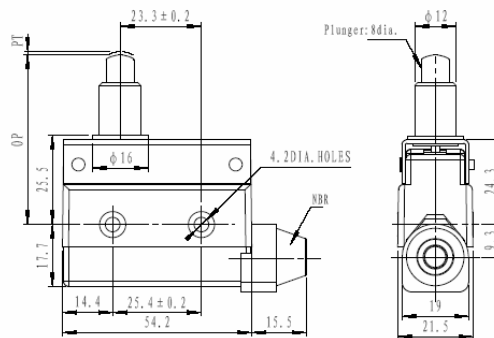
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动作特性

● OFmax	5.88N
● RFmin	0.98N
● PTmax	2.0mm
● OTmin	6.0mm
● MDmax	0.8mm
● FPmax	23.8mm
● OP	21.8 ± 0.8mm

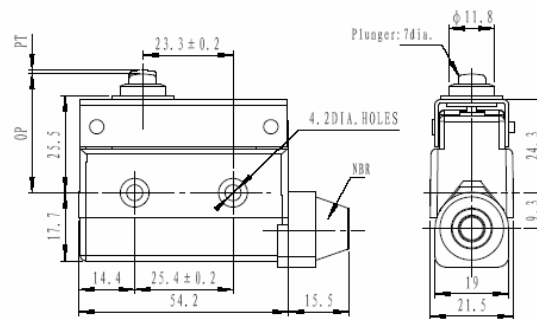
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动作特性

● OFmax	5.88N
● RFmin	0.98N
● PTmax	2.0mm
● OTmin	5.0mm
● MDmax	0.8mm
● FPmax	46mm
● OP	44 ± 1.2mm

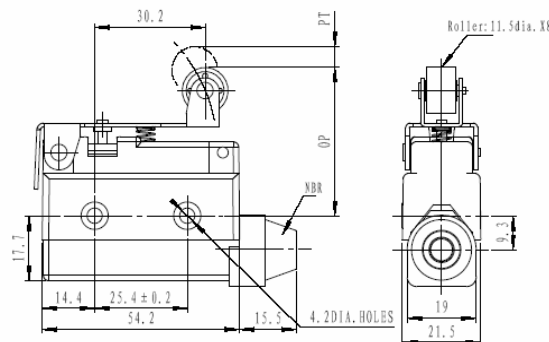
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动作特性

● OFmax	5.88N
● RFmin	0.98N
● PTmax	2.0mm
● OTmin	0.8mm
● MDmax	0.8mm
● OP	30 ± 0.8mm

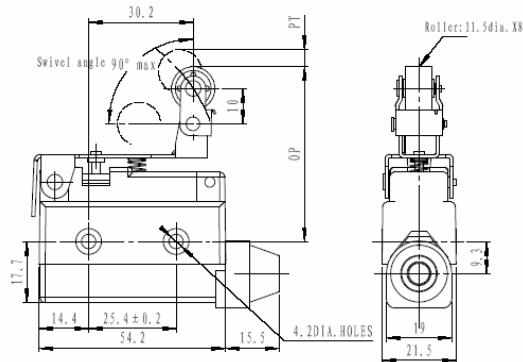
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动作特性

● OFmax	2.35N
● RFmin	0.87N
● PTmax	6.5mm
● OTmin	2.0mm
● MDmax	1.5mm
● FPmax	46.5mm
● OP	40 ± 1.6mm

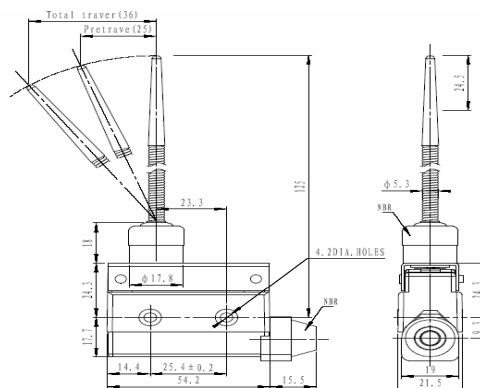
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动作特性

• OFmax	2.75N
• RFmin	0.98N
• PTmax	6.5mm
• OTmin	2.0mm
• MDmax	1.5mm
• FPmax	56.5mm
• OP	50 ± 1.6mm

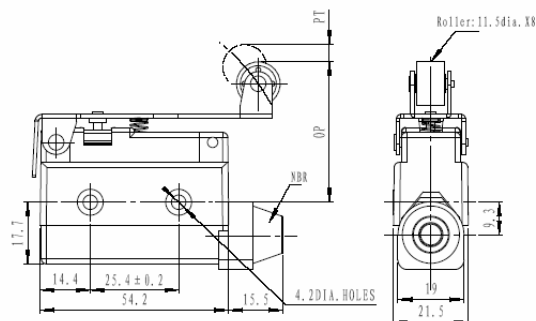
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动作特性

• OFmax	1.18N
• PTmax	25mm
• OTmin	11mm
• TTmax	36mm

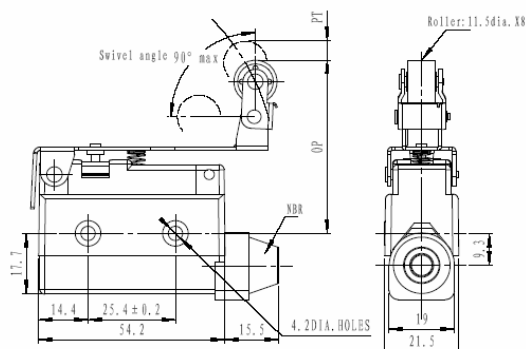
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动作特性

• OFmax	1.77N
• RFmin	0.49N
• PTmax	11.0mm
• OTmin	3.0mm
• MDmax	2.4mm
• FPmax	51.0mm
• OP	40 ± 1.9mm

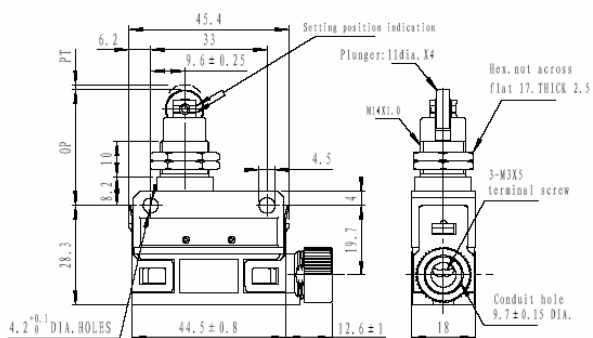
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动作特性

• OFmax	2.16N
• RFmin	0.59N
• PTmax	11.0mm
• OTmin	3.0mm
• MDmax	2.4mm
• FPmax	61.0mm
• OP	50 ± 2.0mm

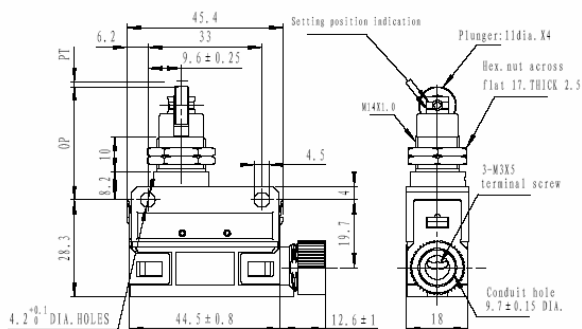
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动作特性

• OFmax	11.8N
• RFmin	4.9N
• PTmax	1.5mm
• OTmin	3mm
• MDmax	0.1mm
• OP	31.4 ± 0.8mm

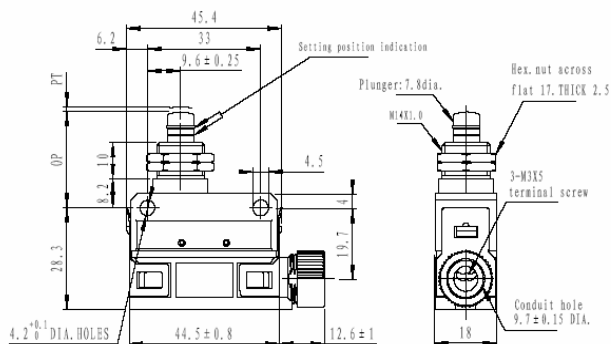
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动作特性

• OFmax	11.8N
• RFmin	4.9N
• PTmax	1.5mm
• OTmin	3mm
• MDmax	0.1mm
• OP	31.4 ± 0.8mm

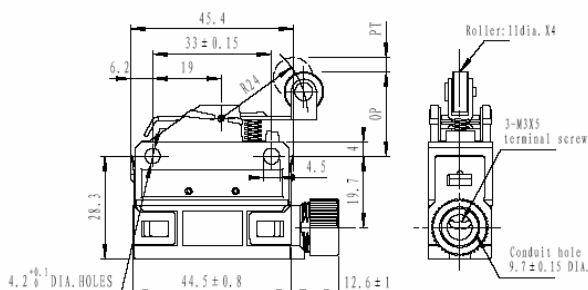
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动作特性

• OFmax	11.8N
• RFmin	4.9N
• PTmax	1.5mm
• OTmin	3mm
• MDmax	0.1mm
• OP	25.4 ± 0.8mm

<SLP-E>



动作特性

• OFmax	4.0N
• RFmin	0.78N
• PTmax	2mm
• OTmin	4mm
• MDmax	0.3mm
• OP	23.1 ± 0.8mm