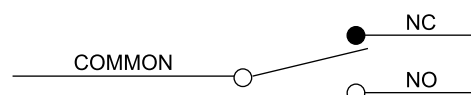


LS-7 Micro Switches

Feature

- Various of actuators, the operation position is adjustable (such as LS-7121)
- Outer shell covered with intensive plastic, water-proof and oil-proof. The mechanical strength is better than MS type of micro switch, bear hitting

Contact Form



Rating

Rated Voltage	Noninductive Load (A)				Inductive Load (A)			
	Resistance Load		Lamp Load		Inductive Load		Motor Load	
	NC	NO	NC	NO	NC	NO	NC	NO
125VAC	10		3	1.5	10	5	2.5	
250VAC	10		2.5	1.25	10	3	1.5	
480VAC	3		1.5	0.75	2.5	1.5	0.75	
8VDC	10		3	1.5	6	6	5	
14VDC	10		3	1.5	6	6	5	
30VDC	8		3	1.5	6	5	2.5	
125VDC	0.5		0.4	0.4	0.05	0.05	0.05	
250VDC	0.25		0.2	0.2	0.03	0.03	0.03	

NOTES: 1. Inductive load has a power factor of 0.4 min.(AC) and a time constant of 7 msec.max.(DC).
 2. Lamp load has an inrush current of 10 times the steady-state current, while motor load has an inrush current of 6 times the steady-state current.

Characteristic

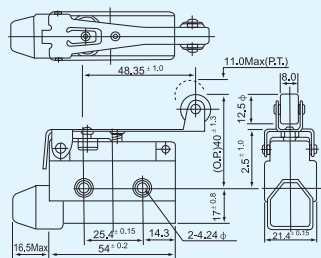
Operation speed	0.5mm-50cm/sec
Operating frequency	Mechanical: 120 operations/minute Electrical: 30 operations/minute
Contact resistance	15mΩmax. (initial value)
Insulation resistance	100mΩ above(at 500VDC)
Dielectric strength	1000VAC, 50/60 Hz for 1 minute between terminals of the same polarity
	1500VAC, 50/60 Hz for 1 minute between current-carrying and noncurrent-carrying metal parts
	1500VAC, 50/60 Hz for 1 minute between each terminal and ground
Vibration	Action: 10 to 55Hz, 1.5mm pairs swing
Shock	Mechanical durable: 1,000m/Sec ² (about 100g's) Malfunction: 300m/Sec ² (about 30g's)
Ambient temperature	-10~+80℃
Ambient humidity	< 95% RH
Life	Mechanical: 10,000,000 operations above (under rated OT) Electrical: 500,000 operations above
Weight	About 60g
Degree of protection	IP40

Operating characteristic

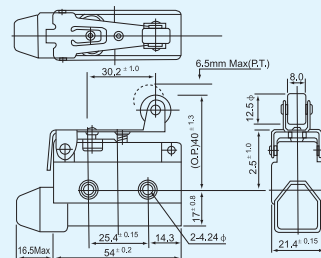
Models	LS-7100	LS-7110	LS-7310	LS-7311	LS-7312	LS-7120	LS-7140	LS-7121	LS-7141	LS-7124	LS-7144	LS-7166
OF(Max.)	600g	600g	600g	600g	600g	150g	220g	180g	240g	200g	280g	120g
RF(Min.)	100g	100g	100g	100g	100g	40g	60g	50g	80g	60g	100g	
PT(Max.)	2.0mm	2.0mm	2.0mm	2.0mm	2.0mm	13.5mm	8.5mm	11.0mm	6.5mm	11mm	6.5mm	250mm
OT(Min.)	0.8mm	5.0mm	6.0mm	6.0mm	6.0mm	4.0mm	2.5mm	3.0mm	2.0mm	3.0mm	2.0mm	11mm
MD(Max.)	0.8mm	0.8mm	0.8mm	0.8mm	0.8mm	3.2mm	2.0mm	2.4mm	1.5mm	2.4mm	1.5mm	
OP	30.5±0.8mm	44±1.2mm	21.8±1.2mm	33.3±1.2mm	33.3±1.2mm	25±1mm	25±1mm	40±1mm	40±1mm	50±1.2mm	50±1.2mm	
FP						35mm	32mm		46mm		56mm	

Appearance and Dimension

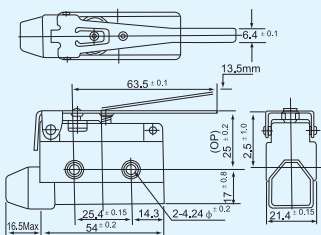
LS-7121



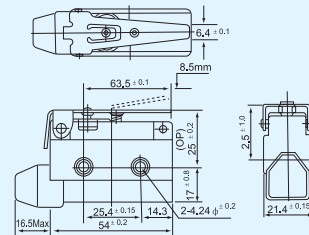
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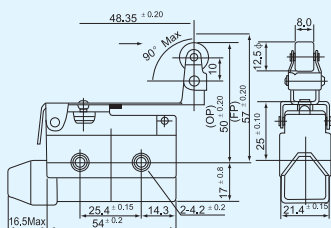
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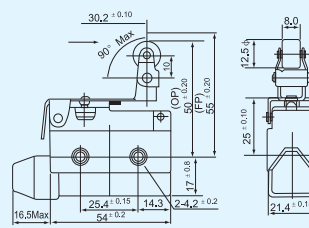
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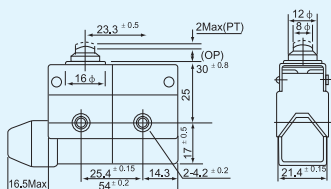
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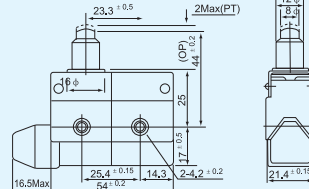
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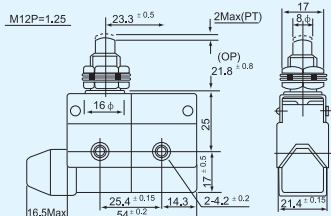
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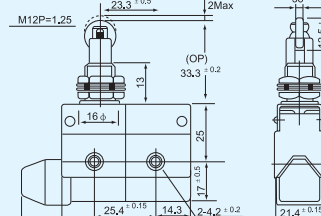
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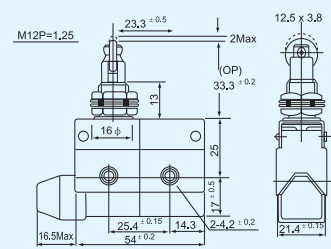
LS-7310



LS-7311



LS-7312



LS-7166

