

MS Micro Switches

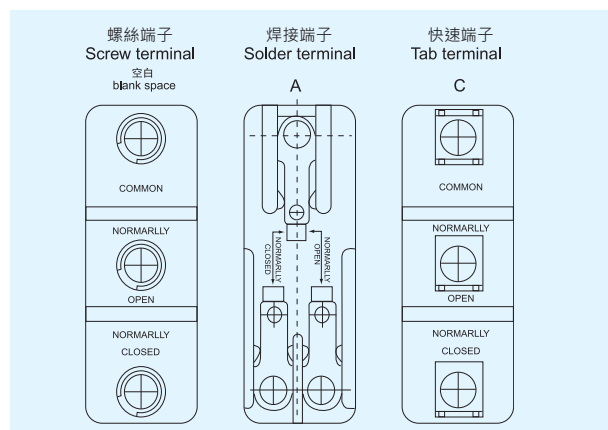
Feature

- Various of actuators, action position is adjustable(such as MS1701)
- High switch on and off capacity(15A)
- High accuracy
- Wide range of operation speed
- Each type of MS series has solder terminal, screw terminal and tab terminal are selective
- Add A for solder terminal, add C for tab terminal, blank for screw terminal

Rating

Rated Voltage	Noninductive Load (A)				Inductive Load (A)				Inrush Current	
	Resistance Load		Lamp Load		Inductive Load		Motor Load			
	NC	NO	NC	NO	NC	NO	NC	NO	NC	NO
125VAC	15	3	1.5		15	5	2.5		30 max.	15 max.
250VAC	15	2.5	1.25		15	3	1.5			
500VAC	3	1.5	0.75		2.5	1.5	0.75			
8VDC	15	3	1.5		15	5	2.5			
14VDC	15	3	1.5		10	5	2.5			
30VDC	6(2)	3	1.5		5	5	2.5			
125VDC	0.4	0.4	0.4		0.05	0.05	0.05			
250VDC	0.2	0.2	0.2		0.03	0.03	0.03			

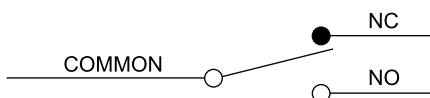
Terminal Type



Characteristic

Operation speed	0.01mm-1m/sec
Operating frequency	Mechanical: 240 operations/min. Electrical: 20 operations/min.
Contact resistance	15mΩ max. (initial value)
Insulation resistance	100mΩ 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
Vibration	10-55Hz, 1.5mm double amplitude
Shock	Mechanical durable: 1,000m/Sec ² (about 100G'S) Malfunction: 300m/Sec ² (about 30G'S)
Ambient temperature	General purpose type: -25℃ to +80℃, Sealed type: -15℃ to +80℃
Ambient humidity	General purpose type: 85% RH max., Sealed type: 95% RH max.
Life	Mechanical: 20,000,000 operations/min. Electrical: 500,000 operations/min.
Weight	About 22 to 58g

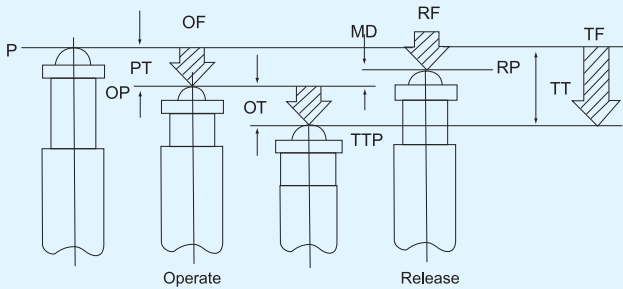
Contact Form



Operating Characteristic

Models	MS-1300	MS-1301	MS-1303	MS-1305	MS-1306	MS-1307	MS-1308	MS-1309	MS-1701	MS-1702	MS-1703	MS-1704	MS-1705	MS-1743
OF (Max.)	350g	300g	300g	350g	350g	350g	350g	350g	70g	160g	100g	160g	10g	160g
RF (Min.)	114g	50g	50g	114g	114g	114g	114g	114g	14g	28g	22g	42g	3g	42g
PT (Max.)	0.4mm	4mm	4mm	0.4mm	0.4mm	0.4mm	0.4mm	0.4mm	10mm	5mm	7.1mm	2.7mm	20mm	2.7mm
OT (Min.)	0.13mm	1.6mm	1.6mm	1.6mm	1.6mm	5.5mm	3.58mm	3.58mm	5.6mm	2mm	4mm	2.4mm	5.6mm	2.4mm
MD (Max.)	0.05mm	1.3mm	1.3mm	0.05mm	0.05mm	0.05mm	0.05mm	0.05mm	1.27mm	1mm	1.02mm	0.5mm	3mm	0.5mm
FP (Max.)		20.6mm	31.8mm						28.2mm	24.8mm	36.5mm	32.5mm		43.6mm
OP (mm)	15.9±0.4	17.4±0.8	28.6±0.8	28.2±0.5	21.5±0.5	21.8±0.8	33.4±1.2	33.4±1.2	19±0.8	19±0.4	30.2±0.8	30.2±0.4	19±0.8	43.1±0.8

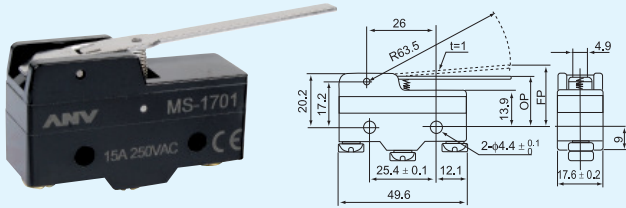
Operating Characteristic



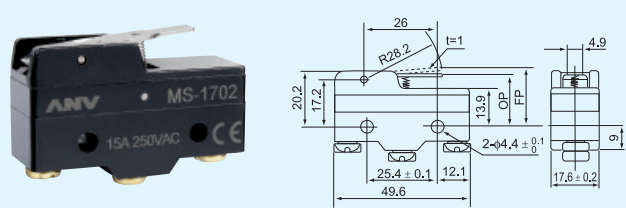
OF: Operating Force
 RF: Release Force
 TF: Total Force
 FP: Free Position
 OP: Operating Position
 RP: Release Position
 TTP: Totaltravel Position
 PT: Pretravel
 OT: Overtravel
 MD: Movement Differential
 TT: Totaltravel

Appearance and Dimension

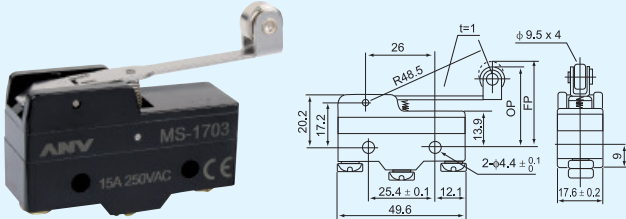
MS-1701



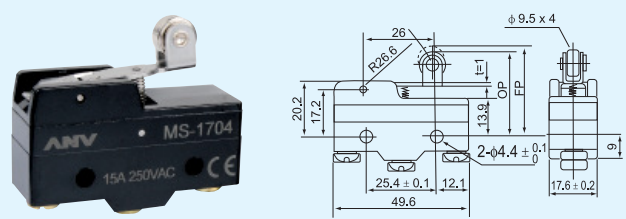
MS-1702



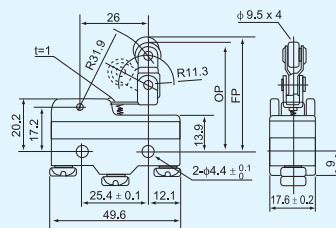
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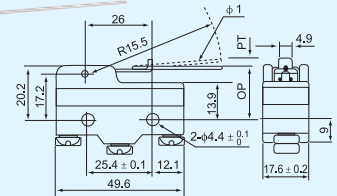
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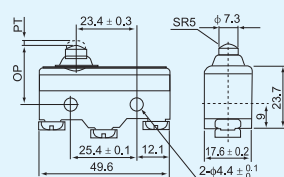
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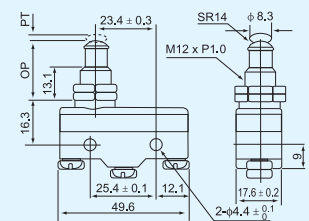
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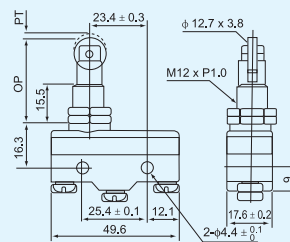
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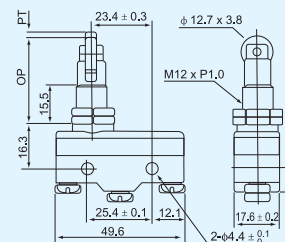
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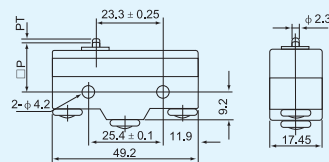
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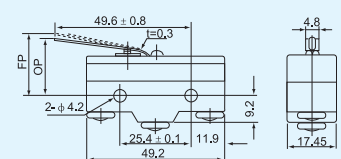
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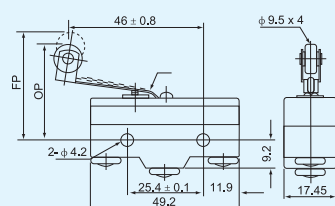
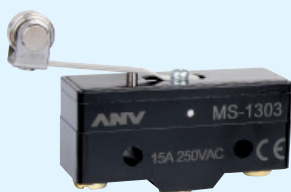
MS-1300



MS-1301



MS-1303



MS-1305

