

Product Feature

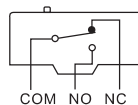
- Wide range of actuators; and the operating position can be adjusted.
- High opening and closing capacity (15A)
- High precision
- Wide range of operating speed

Model Code

MR-LTM-1 □ □ : Transmission Type
 306: Plunger Button Type
 307: Plunger Long Button Type
 308: Roller Plunger type
 309: Cross roller plunger type

701: Lever Type
 702: Short Lever Type
 703: Roller Lever Type
 704: Roller Short Lever Type
 705: Roller Long Lever Type

Contact Diagram



Specifications

Operation Speed	0.01mm to 1m/sec(Plunger type)
Operation Frequency	Mechanical: times/minute Electrical: times/minute
Contact Resistance	15mΩ Max. (in the initial)
Insulation Resistance	Over 100MΩ (Below 500VDC)
Dielectric Strength	1,000VAC, 50/60Hz for 1 minute between discontinuous terminal
	1,500VAC, 50/60Hz for 1minute between current carrying parts and non-current carrying parts
	1,500VAC, 50/60Hz for 1minute between Terminal and GND
Vibration Resistance	10 to 50Hz: 1.5mm bi-amplitude
Shock Resistance	Mechanical Durability: 1,000m/Sec ² (About 100G'S) Malfunction Durability: 300m/Sec ² (About 30G'S)
Operation Temperature	In use: 10~ +80°C (No freezing)
Operation Humidity	Below 95% RH
Life	Mechanical: Above 10,000,000 operations Electrical: Above 500,000 operations
Weight	22 to 58g
IP Degree	IP65

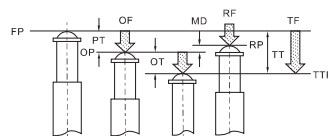
Ratings

Rated voltage	Non-Inductive Load(A)				Inductive Load (A)				Inrush current(A)	
	Resistive 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				
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			Below 30	Below 15
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				

Notes: 1. The power factor of Inductive Load is over 0.4(AC).
 And usually the time constant is below 7 msec(DC).
 2. The inrush current of Lamp Load is 10 times as than in stable condition,
 and Motor current is 6 times as than in stable condition.

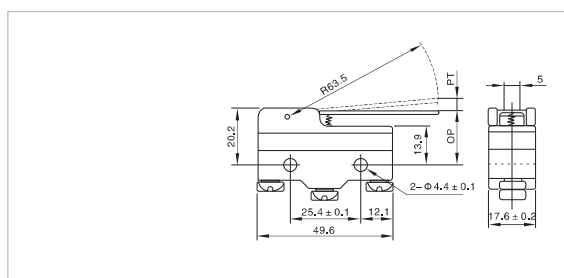
Operating Characteristics

Type	MR-LTM-1701	MR-LTM-1702	MR-LTM-1703	MR-LTM-1704	MR-LTM-1705	MR-LTM-1306	MR-LTM-1307	MR-LTM-1308 MR-LTM-1309
OF Max.	70g	160g	1,00g	160g	10g	350g	350g	350g
RF Min.	14g	28g	22g	42g	3g	114g	114g	114g
PT Max.	10mm	3mm	7.1mm	2.7mm	20mm	0.4mm	0.4mm	0.4mm
OT Min.	5.6mm	2mm	4mm	2.4mm	5.6mm	1.6mm	5.5mm	3.58mm
MD Max.	1.27mm	1mm	1.02mm	0.5mm	3mm	0.05mm	0.05mm	0.05mm
PF Max.	28.2mm	24.8mm	36.5mm	32.5mm				
OP	19±0.8	19±0.4	30.2±0.8	30.2±0.4	19±0.8	21.5±0.5	21.8 0.8	33.4±1.2

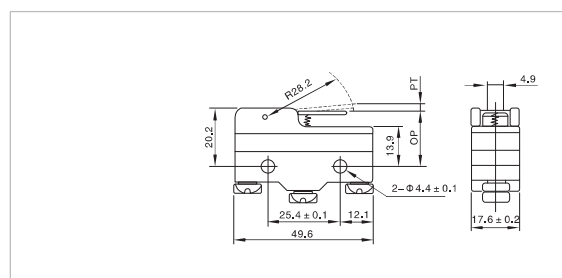


FP: Free Position
 OF: Operating Force
 PT: Pre-Travel
 OT: Over Travel
 MD: Movement Differential
 RF: Release Force
 RP: Release Position
 TT: Total Travel
 TF: Total travel Force
 TTP: Total Travel Position

MR-LTM-1701



MR-LTM-1702



PART NUMBERS ON THIS DRAWING

MR-LTM-1306 MR-LTM-1307 MR-LTM-1308 MR-LTM-1309 MR-LTM-1701 MR-LTM-1702 MR-LTM-1703
 MR-LTM-1704 MR-LTM-1705

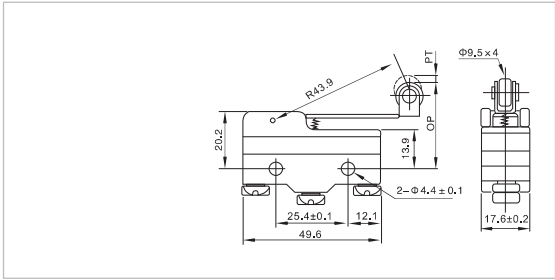
LIMIT SWITCH

MR-LTM-1 SERIES

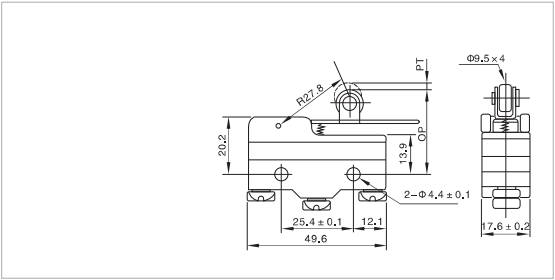
Micro-Ray

PART NO	MR-LTM-1	SHEET	1 OF 2	REV	A
DWG NO	MR-LTM-1	SIZE	A4	DATE	2026-09-22
UNITS: mm	SCALE: NTS - DO NOT SCALE				

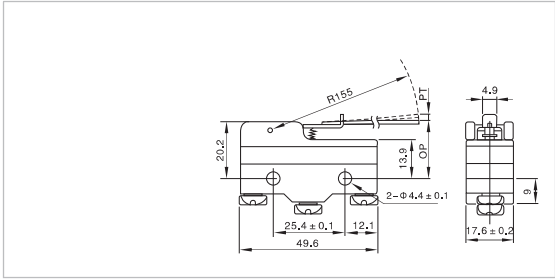
MR-LTM-1703



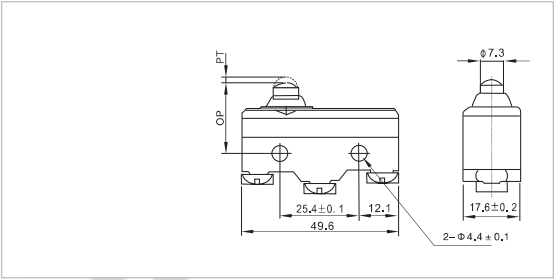
MR-LTM-1704



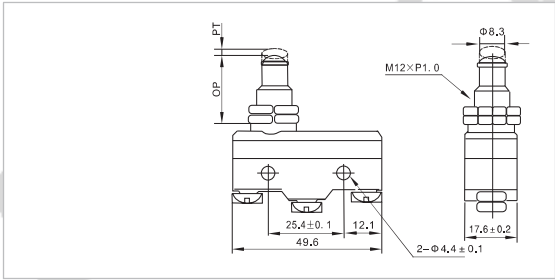
MR-LTM-1705



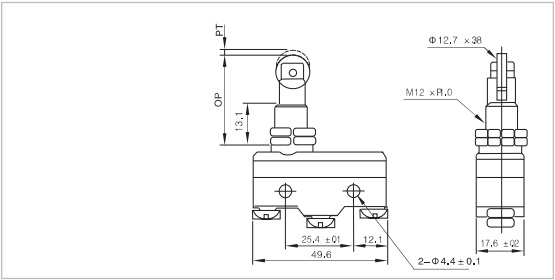
MR-LTM-1306



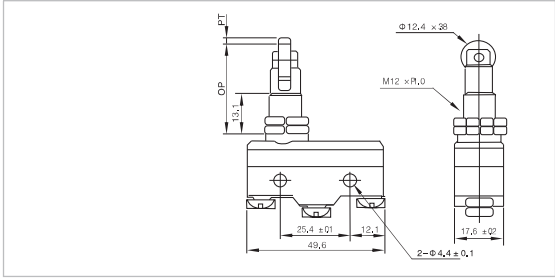
MR-LTM-1307



MR-LTM-1308



MR-LTM-1309



PART NUMBERS ON THIS DRAWING
MR-LTM-1306 MR-LTM-1307 MR-LTM-1308 MR-LTM-1309 MR-LTM-1701 MR-LTM-1702 MR-LTM-1703
MR-LTM-1704 MR-LTM-1705

LIMIT SWITCH MR-LTM-1 SERIES		Micro-Ray	
PART NO	MR-LTM-1		
DWG NO	MR-LTM-1	SHEET 2 OF 2	REV A
UNITS: mm	SCALE: NTS - DO NOT SCALE	SIZE A4	DATE 2026-09-22