

**Model and Description**

LX	ME	8104	
Model	Design No.	Actuator:	
		8104:Roller lever	8107:Adjustable rod lever
		8108:Adjustable roller lever	8111:Pin plunger
		8112:Roller plunger	8122:Cross roller plunger
		8166:Plastic rod spring	8169:Metal wire spring
		8168:Metal rod spring	9101:Coil spring

**Application and Feature**

LX-ME8000 series limit switch is applied to the 50HZ/60HZ,250VAC,220VDC control circuits or auxiliary circuits, works as control,limit,locate,travel,signal control and program conversion etc.it is widely used in mechanical industry,electronics industry,light industry and military industry, etc.

The typical feature is dust proof,water proof,oil resistant,meet the GB14048.5 IEC60947-5-1 standard

**Specification**

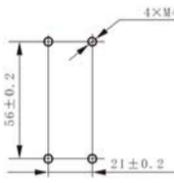
Operating speed	0.5mm~50cm/sec
Operating frequency	Mechanical: 120 operations/minute
	Electrical: 30 operations/minute
Contact resistance	25mΩ max.(Initial value)
Insulation resistance	100mΩ min.(at DC500V)
Dielectric strength	1000VAC, 50/60Hz 1min between terminals of the same polarity
	1500VAC, 50/60Hz 1min between each terminal and no-current-carrying metal parts
	1500VAC, 50/60Hz 1min between current-carrying metal parts and ground
Vibration resistance	Malfunction: 10Hz~55Hz, 1.5mm double amplitude
Shock resistance	Destruction: 1000m/S <sup>2</sup> Malfunction: 300m/S <sup>2</sup>
Ambient temperature	-5℃~+65℃ with no icing
Ambient humidity	90% max.
Life expectancy	Mechanical: 20,000,000 operations min.
	Electrical: 300 000 operations min.
Degree of protection	IP65

**Rating**

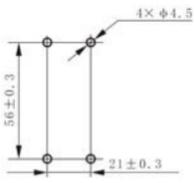
Rated voltage	Non-inductive load(A)				Inductive load(A)			
	Resistive load		Lamp load		Inductive load		Motor load	
	NC	NO	NC	NO	NC	NO	NC	NO
125VAC	5	5	1.5	0.7	3	3	2	1
250VAC	5	5	1	0.5	3	3	1.5	0.8
500VAC								
8VDC	5	5	3	3	5	4	3	3
14VDC	5	5	3	3	4	4	3	3
30VDC	5	5	3	3	4	4	3	3
125VDC	0.4	0.4	3	3	4	4	3	3
250VDC	0.2	0.2						
Inrush current	NC: 24A max.		NO: 12A max.					

**Mounting**

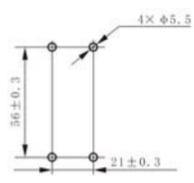
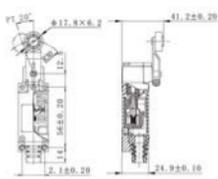
Front mounting  
(The panel unpunched)  
4\*M4 Tapped holes



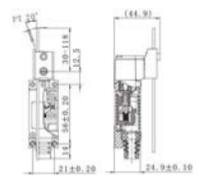
Front mounting  
(The panel punched)



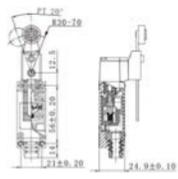
Rear mounting


**Dimensions**
**LX-ME8104**


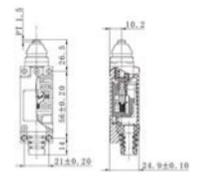
OF max.	RF min.	PT max.	OT min.	MD max.
7.4N(0.75kgf)	0.1N(1kgf)	20°	50°	12°

**LX-ME8107**


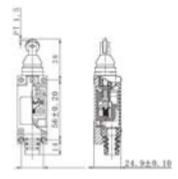
OF max.	RF min.	PT max.	OT min.	MD max.
7.4N(0.75kgf)	0.1N(1kgf)	20°	50°	12°

**LX-ME8108**


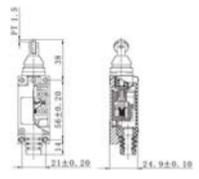
OF max.	RF min.	PT max.	OT min.	MD max.
7.4N(0.75kgf)	0.1N(1kgf)	20°	50°	12°

**LX-ME8111**


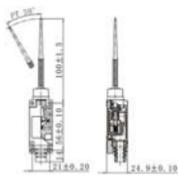
OF max.	RF min.	PT max.	OT min.	MD max.	OP
8.9N(0.9kgf)	1.5N(0.15kgf)	1.5mm	4mm	1mm	26±0.8mm

**LX-ME8112**


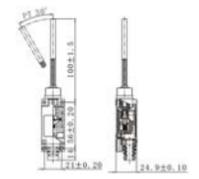
OF max.	RF min.	PT max.	OT min.	MD max.	OP
8.9N(0.9kgf)	1.5N(0.15kgf)	1.5mm	4mm	1mm	37±0.8mm

**LX-ME8122**


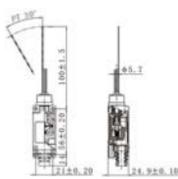
OF max.	RF min.	PT max.	OT min.	MD max.	OP
8.9N(0.9kgf)	1.5N(0.15kgf)	1.5mm	4mm	1mm	37±0.8mm

**LX-ME8166**


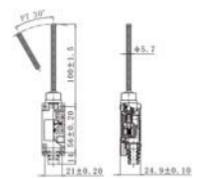
OF max.	PT max.
7.4N(0.75kgf)	20°

**LX-ME8168**


OF max.	PT max.
7.4N(0.75kgf)	20°

**LX-ME8169**


OF max.	PT max.
7.4N(0.75kgf)	20°

**LX-ME9101**


OF max.	PT max.
7.4N(0.75kgf)	20°