

# LX-K1 Series Limit Switch



## Model and Description

LX	K1	<input type="checkbox"/>	<input type="checkbox"/>
Model	Design No.	<b>Actuator:</b> 1:Roller lever,roller above the lever 2:Fork roller,roller above the lever 3:Top plunger 4:Roller plunger 5:Coil spring 6:Roller lever,roller under the lever 7:Fork roller,roller under the lever	<b>Contact form:</b> 1NO+NC

## Application and Feature

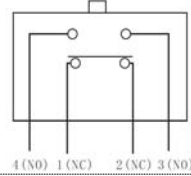
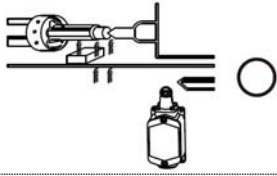
LX-K1 series limit switch is applied to the 50HZ/60HZ, 250VAC, 220VDC control circuits, works as travel control, limit control, motion direction or speed change, machine tool automatic control, etc.

Approved standards:GB14048.5 IEC60947-5-1.


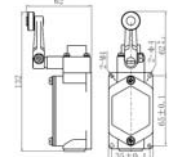

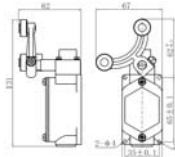

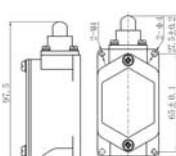

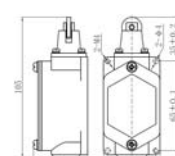

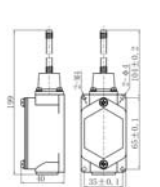

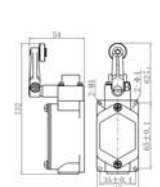

## Specification

Operating speed	0.5mm~0.5m/s
Operating frequency	Mechanical: 120 operations/minute
	Electrical: 30 operations/minute
Contact resistance	50mΩ max.(Initial value)
Insulation resistance	100mΩ min.(at DC500V)
Conventional thermal current	5A
Electric Parameter	AC380V/0.8A DC220V/0.1A
Dielectric strength	1890VAC, 50/60Hz 1min between terminals of the same polarity
	2500VAC, 50/60Hz 1min between each terminal and non-current-carrying metal parts
	2500VAC, 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	Ambient operation temperature: -5℃~+60℃ with no icing
Ambient humidity	Ambient operation humidity: 90% max.
Life expectancy	Mechanical: 6,000,000 operations min.
	Electrical: 300 000 operations min.
Degree of protection	IP52

## Mounting and Contact form



## Dimensions

<b>LX-K1/111</b>  OF max. 15N(1.53kgf) PT max. 45° OT min. 15°		<b>LX-K1/211</b>  OF max. 30N(3.06kgf) PT max. 70° OT min. -	
<b>LX-K1/311</b>  OF max. 20N(2.04kgf) PT max. 5mm OT min. 5mm		<b>LX-K1/411</b>  OF max. 20N(2.04kgf) PT max. 5mm OT min. 5mm	
<b>LX-K1/511</b>  OF max. 20N(2.04kgf) PT max. 45° OT min. 20°		<b>LX-K1/611</b>  OF max. 15N(1.53kgf) PT max. 45° OT min. 15°	
<b>LX-K1/711</b>  OF max. 20N(2.04kgf) PT max. 70° OT min. -	