

Model and Description

| LX | HL | |
|-------|------------|---|
| Model | Design No. | Actuator: 5000:Roller lever 5050:Adjustable rod lever 5200:Top roller plunger 5300:Plastic rod spring 5381:Coil spring |
| | | 5030:Adjustable roller lever 5100:Top plunger 5220:Top cross roller plunger 5330:Metal wire spring |

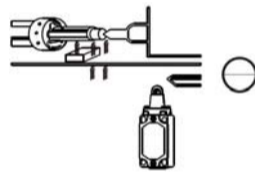
Application and Feature


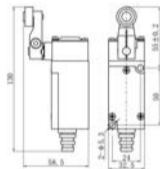

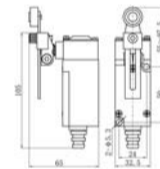

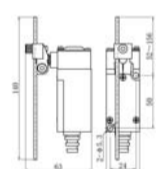

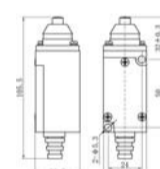

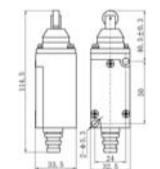

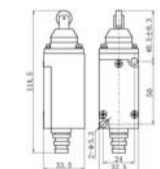

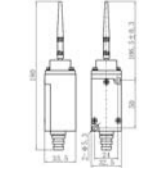

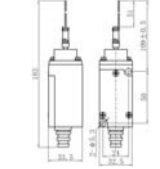

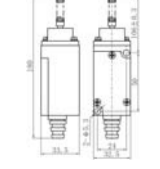
LX-HL series limit switch is applied to the 50HZ/60HZ,250VAC,220VDC control circuits, works as travel control,limit control,motion direction or speed change,machine tool automatic control,etc.

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 | 25mΩ max.(Initial value) |
| Insulation resistance | 100mΩ min.(at DC500V) |
| Conventional thermal current | 5A |
| Electric Parameter | AC380V, AC220V/1A DC220V/0.3A |
| 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 ² Malfunction: 300m/S ² |
| Ambient temperature | Ambient operation temperature: -5℃~+60℃ with no icing |
| Ambient humidity | Ambient operation humidity: 90% max. |
| Life expectancy | Mechanical: 5,000,000 operations min. |
| | Electrical: 300 000 operations min. |
| Degree of protection | IP65 |

Mounting

Dimensions

| | | | |
|--|---|--|---|
| LX-HL/5000  OF max. 7.4N(0.75kgf) PT max. 20° OT min. 75° |  | LX-HL/5030  OF max. 7.4N(0.75kgf) PT max. 20° OT min. 75° |  |
| LX-HL/5050  OF max. 7.4N(0.75kgf) PT max. 20° OT min. 75° |  | LX-HL/5100  OF max. 7.4N(0.75kgf) PT max. 1.8mm OT min. 4.0mm |  |
| LX-HL/5200  OF max. 8.8N(0.9kgf) PT max. 1.8mm OT min. 4.0mm |  | LX-HL/5220  OF max. 8.8N(0.9kgf) PT max. 1.8mm OT min. 4.0mm |  |
| LX-HL/5300  OF max. 1.5N(0.15kgf) PT max. 30mm OT min. 20mm |  | LX-HL/5330  OF max. 1.5N(0.15kgf) PT max. 30mm OT min. 20mm |  |
| LX-HL/5381  OF max. 1.5N(0.15kgf) PT max. 30mm OT min. 20mm |  | | |