

**Model and Description**

LX	Z1	□ □			□	□
Model	Design No.	Number of plunger: 02:2plungers    03:3plungers    04:4plungers 05:5plungers    06:6plungers			Mounting: Z:2 mounting holes L:4 mounting holes	Actuator: N:Roller plunger W:Bevel plunger

**Application and Feature**

LX-Z1 series limit switch is applied to the 50HZ/60HZ, 250VAC, 220VDC control circuits, works as control, limit, locate, travel, signal control and program conversion etc.

Approved standards:GB14048.5 IEC60947-5-1

**Specification**

Operating speed	5mm~0.5m/s
Operating frequency	Mechanical: 120 operations/minute Electrical: 20 operations/minute
Contact resistance	50mΩ max.(Initial value)
Insulation resistance	100mΩ min.(at DC500V)
Conventional thermal current	5A
Electric Parameter	AC220V/0.7A    DC220V/0.07A
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
Vibration resistance	2500VAC, 50/60Hz 1min between current-carrying metal parts and ground
	Malfunction: 10Hz~55Hz, 1.5mm double amplitude
Shock resistance	Destruction: 500m/S <sup>2</sup> Malfunction: 200m/S <sup>2</sup>
Ambient temperature	Ambient operation temperature: -5℃~+85℃ with no icing
Ambient humidity	Ambient operation humidity: 90% max.
Life expectancy	Mechanical: 5,000,000 operations min.
	Electrical: 100 000 operations min.
Degree of protection	IP66

**Mounting and Contact form**

Z type:	L type:	Contact form

Operating characteristics			
Operating force(OF) max. 1700gf(16.67N)	Release force(RF) min. 500gf(4.9N)	Pretravel(PT) max. 4mm	Overtravel(OT) min. 5mm

**Dimensions**

LXZ1-02Z/N		LXZ1-02Z/W	
LXZ1-03Z/N		LXZ1-03Z/W	
LXZ1-04Z/N		LXZ1-04Z/W	
LXZ1-05Z/N		LXZ1-05Z/W	
LXZ1-06Z/N		LXZ1-06Z/W	
LXZ1-02L/W		LXZ1-02L/N	
LXZ1-03L/W		LXZ1-03L/N	
LXZ1-04L/W		LXZ1-04L/N	
LXZ1-05L/W		LXZ1-05L/N	
LXZ1-06L/W		LXZ1-06L/N	
Z typ(2 mounting holes)		L typ(4 mounting holes)	

Number of plunger	2	3	4	5	6	Number of plunger	2	3	4	5	6
A size when B=12	36.3	48.3	60.3	72.3	84.3	A size when B=12	69.5	81.5	93.5	105.5	117.5