

Limit Switch

N TYPE LIMIT SWITCH

Model		Roller Plunger	Push Plunger	Roller Arm	Rubber Roller Lever	Roller Adjustable Lever	Adjustable Rod Lever	Roller Lever
		LS-802N	LS-803N	LS-803RN	LS-804RE	LS-804N	LS-807N	LS-808N
Appearance								
Frequency	Mechanical	120 /minute						
	Electrical	30 /minute						
Insulation resistance		Min. 100 MΩ (AT 500 V d.c.)						
Contact resistance		Max. 25 MΩ (initial)						
Dielectric resistance		1,000 V a.c. 50/60 Hz for 1 minute, 2,000 V a.c. 50/60 Hz for 1 minute						
Vibration	Malfuction Resistance	10 – 55 Hz double amplitude width 1.5 mm						
Shock	Mechanical Durability	Min. 1,000 % (Min. 100G)						
	Malfuction Resistance	Min. 300 % (Min. 30G)						
Life	Mechanical	Min. 1 million operation						
	Electrical	Min. 0.1 million operation						
Ambient temperature		-10 ~ 70 °C						
Ambient humidity		Max. 95 % RH (20 °C)						

RATINGS

RATED VOLTAGE (V)		NON-INDUCTIVE Load(A)			INDUCTIVE LOAD(A)			
		Resistive LOAD		RAMP	INDUCTIVE LOAD		MOTOR LOAD	
		NO		NC	NO	NC	NO	NC
AC	125	6		2	6		3	
	250	6		1.5	6		1.5	
DC	8	6		4	6		4	
	14	6		4	6		4	
	30	4		2.5	4		2.5	
	125	0.4		0.1	0.4		0.1	
	250	0.2		0.05	0.2		0.05	

ZCN TYPE LIMIT SWITCH

Model		Plunger type	Hinge roller short lever type	Hinge roller long lever type	Hinge short lever type	Hinge lever type	Hinge long lever type	Vertical roller plunger type	Horizontal roller plunger type	Resin road spring type
		P501O	R504A	R504C	L507A	L507C	L507D	PR508V	PR508H	L509
Appearance										
Operation speed		0.1 mm – 0.5 %								
Frequency	Mechanical	120 /minute								
	Electrical	20 /minute								
Insulation resistance		Min. 100 MΩ (AT 500 V d.c.)								
Contact resistance		Max. 25 MΩ (initial), Max. 100 MΩ								
Dielectric strength		Between charging part : 1,000 V a.c. 50/60 Hz for 1 minute, Between discharging part : 1,500 V a.c. 50/60 Hz for 1 minute								
Vibration	Malfuction Resistance	10 – 55 Hz double amplitude width 1.5 mm								
Shock	Mechanical Durability	Min. 1,000 % (Min. 100G)								
	Malfuction Resistance	Min. 300 % (Min. 30G)								
Life	Mechanical	Min. 1 million operation								
	Electrical	Min. 0.3 million operation								
Ambient temperature and humidity		-10 ~ 80 °C Max. 25 ~ 95 % RH								

RATINGS

RATED VOLTAGE (V)		NON-INDUCTIVE LOAD(A)			INDUCTIVE LOAD(A)			
		Resistive LOAD		INDUCTIVE LOAD		MOTOR LOAD		
		N.C	N.O	N.C	N.O	N.C	N.O	
AC	125	15		10		3	1.5	
	250	10		6		2	1	
	600	3		2		1.5	0.75	
DC	8	15		10		-	-	
	14	15		10		-	-	
	30	6		5		-	-	
	125	0.4		0.05		-	-	
	250	0.2		0.03		-	-	