

Mini limit switches







HY-LS800

Compact and lightweight limit switches with plastic case








- The plastic case ensures safety against short circuits
- IP54 protection rating (when using HYC-M1 connector in the wiring hole)
- Wiring hole connector standard: 1/2 PF
- Several actuators (6 types) provide convenient selection according to the application



● Model configuration

Model	Code	Description
HY-LS80	□	Mini limit switch (HY-LS800 series)
Actuators (operating part)	2N	Roller Plunger type 
	3N	Push Plunger type 
	3RN	Roller Arm type 
	4RE	Rubber Roller Adjustable Lever type 
	4N	Roller Adjustable Lever type 
	7N	Adjustable Rod Lever type 
	8N	Roller Lever type 

● Specifications

Model	HY-LS802N	HY-LS803N	HY-LS803RN	HY-LS804RE	HY-LS804N	HY-LS807N	HY-LS808N
Shape							
Type	Roller Plunger type	Roller Plunger type	Roller Arm type	Rubber Roller Adjustable Lever type	Roller Adjustable Lever type	Adjustable Rod Lever type	Roller Lever type
Frequency	Mechanical	120 times/min					
	Electrical	30 times/min					
Insulation resistance	100 MΩ min (500 V d.c.)						
Contact resistance	25 MΩ min (initial value)						
Dielectric strength	1,000 V a.c. 50/60 Hz for 1 min, 2,000 V a.c. 50/60 Hz for 1 min						
Vibration resistance	Malfunction	10 - 55 Hz double amplitude 1.5 mm					
Shock resistance	Mechanical	1000 m/s min (100G min)					
	Malfunction	300 m/s min (30G min)					
Life	Mechanical	1,000,000 times min					
	Electrical	100,000 times min					
Ambient temperature and humidity	-10 ~ 70 °C, 95 % RH max (20 °C)						
Weight	Approx. 157 g (HY-L804)						

● Rating

Rated voltage (V)		Non-inductive load(A)		Inductive load(A)			
		Resistive load	Lamp	Inductive load		Electric motor load	
				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	

Limit Switches

● HY-LS802N

Dimensions	Operating characteristics
	<p>OF max:6.37 N (650 gf) RF min:1.47 N (150 gf) PT max:2.0 mm OT min:4.0 mm MD max:0.8 mm OP:28.2 ±0.8</p>

● HY-LS803N

Dimensions	Operating characteristics
	<p>OF max:6.37 N (650 gf) RF min:1.47 N (150 gf) PT max:2.0 mm OT min:4.0 mm MD max:0.8 mm OP:18.0 ±0.5</p>

● HY-LS803RN

Dimensions	Operating characteristics
	<p>OF max:3.92 N (400 gf) RF min:0.78 N (80 gf) PT max:4.0 mm OT min:5.0 mm MD max:1.5 mm OP:37.0 ±0.8</p>

● HY-LS804RE

Dimensions	Operating characteristics
	<p>OF max:4.21 N (430 gf) RF min:0.42 N (43 gf) PT max:18°~ 27° OT min:30° MD max:14°</p>

● HY-LS804N

Dimensions	Operating characteristics
	<p>OF max:4.21 N (430 gf) RF min:0.42 N (43 gf) PT max:18°~ 27° OT min:30° MD max:14°</p>

● HY-LS807N

Dimensions	Operating characteristics
	<p>OF max:4.21 N (430 gf) RF min:0.42 N (43 gf) PT max:18°~ 27° OT min:30° MD max:14°</p>

● HY-LS808N

Dimensions	Operating characteristics
	<p>OF max:4.9 N (500 gf) RF min:0.49 N (50 gf) PT max:18°~ 27° OT min:30° MD max:14°</p>