

## Mini limit switches









# HY-L800

Electrical safety ensured with zinc die casting body and plastic cover structure









- Convenient selection with 4 actuator types
- Installation possible at front and back side
- When the cover is opened, terminals are exposed to the side, providing wiring convenience
- Used in several types of industrial machines and automatic control devices



### ● Model configuration

Model	Code	Description
HY-L80	□	Mini limit switch (HY-L800 series)
Actuators (operating part)	2	Roller Plunger type (horizontal) 
	2C	Cross Roller Plunger type (vertical) 
	3	Top Plunger type 
	4	Roller Adjustable Lever type 
	4RE	Rubber Roller Adjustable Lever type 
	7	Adjustable Rod Lever type 
	8	Roller Lever type 
	9	Coil Spring type 

### ● Specifications

Model	HY-L802	HY-L802C	HY-L803	HY-L804	HY-L804RE	HY-L807	HY-L808	HY-L809
Shape								
Type	Roller Plunger type	Cross Roller Plunger type	Top Plunger type	Roller Adjustable Lever type	Rubber Roller Adjustable Lever type	Adjustable Rod Lever type	Roller Lever type	Coil Spring type
Frequency	Mechanical	120 times/min						
	Electrical	30 times/min						
Insulation resistance	100 MΩ min ( 500 V d.c.)							
Dielectric strength	Among terminals:1500 V a.c. 50/60 Hz for 1 min Among unfilled metal parts:2,000 V a.c. 50/60 Hz for 1 min							
Contact resistance	25 MΩ min (initial value), 100 MΩ min (after test)							
Vibration resistance	Malfunction	10 - 55 Hz min double amplitude 1.5 mm						
Shock resistance	Mechanical	300 m/s <sup>2</sup> min (30G min)						
	Malfunction	100 m/s <sup>2</sup> min (10G min)						
Life	Mechanical	1,000,000 times min (open/close frequency:120times/min)						
	Electrical	100,000 times min (Open/close frequency in rated load:20 times/min)						
Ambient temperature and humidity	-10 ~ 70 °C 45 ~ 95 % RH max (20 °C)							
Weight	Approx. 157 g (HY-L804)							

### ● Rating

Rated voltage	LOAD	Resistive load (cosφ=1)	Inductive load (cosφ=0.4)
	125 V a.c.		5 A
250 V a.c.		5 A	2 A
125 V d.c.		0.4 A	0.1 A

# Limit Switches

● HY-L802

Dimensions	Operating characteristics
	<p>OF max:8.83 N (900 gf)                      RF min:1.47 N (150 gf)                      PT max:1.5 mm                      OT min:2.5 mm                      MD max:0.8 mm                      TTP:3.5 mm</p>

● HY-L802C

Dimensions	Operating characteristics
	<p>OF max:8.83 N (900 gf)                      RF min:1.47 N (150 gf)                      PT max:1.5 mm                      OT min:2.5 mm                      MD max:0.8 mm                      TTP:3.5 mm</p>

● HY-L803

Dimensions	Operating characteristics
	<p>OF max:8.83 N (900 gf)                      RF min:1.47 N (150 gf)                      PT max:1.5 mm                      OT min:2.1 mm                      MD max:0.8 mm                      TTP:3.0 mm</p>

● HY-L804

Dimensions	Operating characteristics
	<p>OF max:7.84 N (800 gf)                      RF min:0.2 N (21 gf)                      PT max:20 mm                      OT min:70°                      MD max:10°</p>

● HY-L804RE

Dimensions	Operating characteristics
	<p>OF max:7.84 N (800 gf)                      RF min:0.42 N (43 gf)                      PT max:20 mm                      OT min:70°                      MD max:10°</p>

● HY-L807

Dimensions	Operating characteristics
	<p>OF max:7.84 N (800 gf)                      RF min:0.2 N (21 gf)                      PT max:20 mm                      OT min:70°                      MD max:10°</p>

● HY-L808

Dimensions	Operating characteristics
	<p>OF max:7.84N (800gf)                      RF min:0.2N (21gf)                      PT max:20 mm                      OT min:70°                      MD min:10°                      TT min:90°</p>

● HY-L809

Dimensions	Operating characteristics
	<p>OF max: 0.88 N (90 gf)                      RF min: -                      PT max:30 mm                      OT min:20°                      MD max:-                      TT min:30 mm</p>