









# LIMIT SWITCHES









## HY-M900/LM900 series

Model	Roller plunger		Top ball plunger		Variable roller		Variable rod wire		Roller lever		Coil spring		Ø50 roller lever	Fork roller Lever
	HY-M902	HY-LM902	HY-M903	HY-LM903	HY-M904	HY-LM904	HY-M907	HY-LM907	HY-M908	HY-LM908	HY-M909	HY-LM909	HY-M908R	HY-M908L
Appearance														
Operation speed	0.1 - 1 m/s													
Opening and closing frequency	Mechanical	120 times/minute												
	Electrical	20 times/minute												
Insulation resistance	100 MΩ or more (500 V d.c.)													
Dielectric strength	● 1000 V a.c. 50/60 Hz for 1 min (between charging part), ● 1500 V a.c. 50/60 Hz for 1 min (between discharging part)													
Contact resistance	Max. 100 MΩ (initial)													
Vibration	Malfuction	10 - 55 Hz double amplitude width 1.5 mm												
Shock	Mechanical	1,000 m/s or more (100G or more)												
	Malfuction	300m/s or more (30G or more)												
Life	Mechanical	More than 1 million times												
	Electrical	More than 300,000 times												

### ● Rating

Rated voltage(V)	Non-inductive load (A)				Inductive load (A)			
	Resistive load		Lamp		Inductive load		Electric motor load	
	NC	NO	NC	NO	NC	NO	NC	NO
AC	125	15	3	1.5	10	3	1.5	
	250	10	2	1	6	2	1	
	480	3	1.5	0.8	2	1.5	0.75	
DC	8	15	6	3	10			-
	14	15	6	3	10			-
	30	6	4	3	5			-
	125	0.4	0.2	0.2	0.05			-
	250	0.2	0.1	0.1	0.03			-

## HY-L800 series

Model	Roller Plunger [horizontal]	Cross roller Plunger type [vertical]	Top Plunger	Roller Adjustable Lever	Rubber Roller Adjustable Lever	Adjustable Rod Lever	Roller Lever	Coil spring
	HY-L802	HY-L802C	HY-L803	HY-L804	HY-L804RE	HY-L807	HY-L808	HY-L809
Appearance								
Frequency	Mechanical	120 times/minute						
	Electrical	30 times/minute						
Insulation resistance	100 MΩ 이상 ( 500 V d.c.)							
Dielectric strength	● Between terminals: 1,500 V a.c. 50/60 Hz 1 minute, ● Between non-charging metal parts: 2,000 V a.c. 50/60 Hz 1 minute							
Contact resistance	25 MΩ or less (initial value), 100 MΩ or less (after test)							
Vibration	Malfuction	10-55 Hz or more, double amplitude 1.5 mm						
Shock	Mechanical	300m/s or more (30G or more)						
	Malfuction	100m/s or more (10G or more)						
Life	Mechanical	Over 1 million times (open/close frequency 120 times/min)						
	Electrical	100,000 times or more (opening and closing frequency 20 times/min at rated load)						
Ambient temperature & humidity	-10 ~ 70 °C, 95% RH or less (20 °C) (No condensation)							

### ● 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