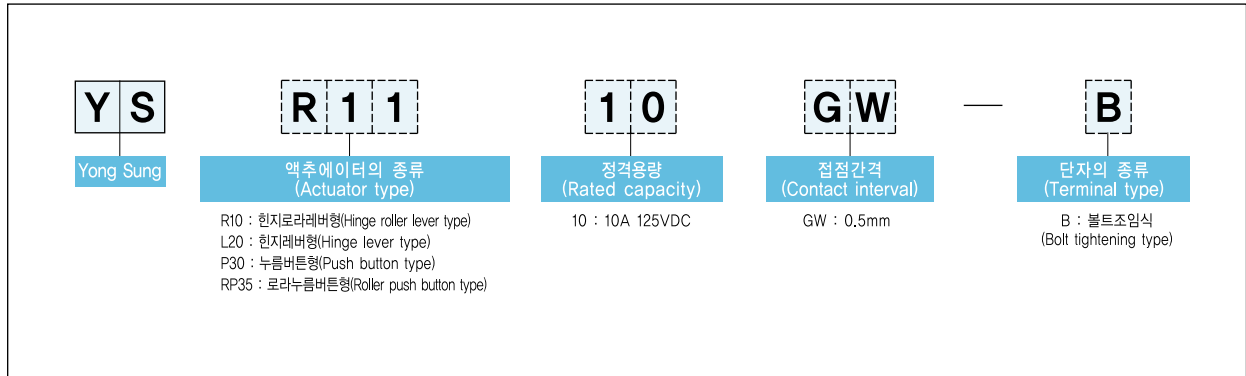


1-2

직류용 마이크로 스위치 (Z형)
Direct Current Micro Switch (Z Type)

형식 구분도 | Type Classification Diagram |



특징 | Features |

- 자기소거회로를 내장한 직류전용 마이크로 스위치입니다.
- 직류는 교류에 비해 아크 지속시간이 길기 때문에 접점기구에 아크의 효과적인 소거를 위한 영구자석을 내장시켰습니다.
- 아크에 의한 케이스 소손을 방지하기 위하여 케이스 내 격벽 및 접점간격을 넓혔습니다.
- 아크에 의해 발생된 가스를 배출키 위해 통기구멍을 설치하였습니다.
- * 공통단자에(COM) +극성을 연결해주시시오.
- It is a direct current micro switch built in with demagnetizing circuit.
- Permanent magnet is built in the switch to remove arc effectively from the contact parts.
- To protect the switch from arc, the distance between the partition walls and the distance between contacts are widen.
- An air vent is installed to expel the gas generated by arc.
- * Please connect the positive (+) pole to Common contact.

용도 | Application |

- 직류용 마이크로 스위치는 직류부하 개폐용으로서 DC MOTOR나, 솔레노이드 등의 제어용으로 사용됩니다.
- 직류는 교류에 비해 아크(arc)발생이 크기 때문입니다.
- As a direct current switch, it is used to control DC Motor, Solenoid etc.
- Because direct current generates more arc than alternating current.

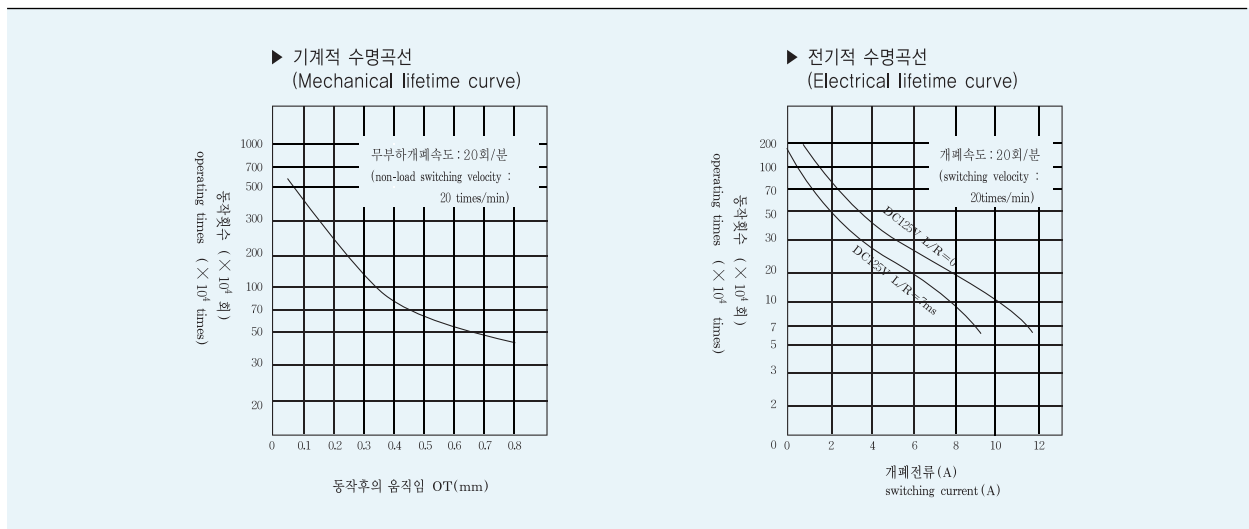
성능 개요 | Performance Summary |

허용조작속도 (Allowable operating speed)		0.1mm-1m/s
개폐빈도 (Switching frequency)	기계적 (Mechanical)	20 times/min
	전기적 (Electrical)	20 times/min
절연저항 (Insulation resistance)		100MΩ 이상 (Above 100MΩ) (DC 500V. Meg)
접촉저항 (Contact resistance)		50mΩ 이하 (초기치) (Below 50mΩ, initial value)
내전압 (Withstand voltage)		AC 1,500V/min (50~60Hz)
내진동 (Withstand vibration)	오동작 (Malfunction)	복진폭 (Double amplitude) 1.5mm (10~55Hz)
내충격 (Withstand impact)	내구 (Endurance)	1,000 ㄹ (About 100G)
	오동작 (Malfunction)	300 ㄹ (About 30G)
수명 (Lifetime)	기계적 (Mechanical)	1,000,000회 이상 (Above 1,000,000 times)
	전기적 (Electrical)	100,000회 이상 (Above 100,000 times)
사용주위온도 (Ambient temperature)		-25℃ ~ +55℃
상대습도 (Relative humidity)		45 ~ 85%

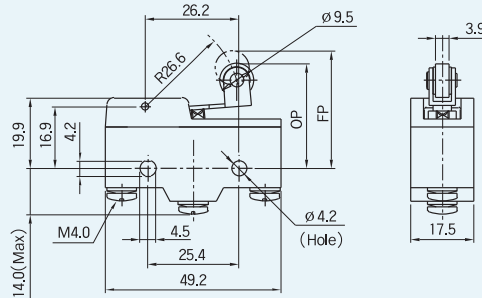
정격 | Rated |

정격전압(V) (Rated voltage(V))	무유도부하(A) (No-inductive load(A))				유도부하(A) (Inductive load(A))			
	저항부하 (Resistive load)(L/R=0)		램프부하 (Lamp load)		유도부하 (Inductive load) (L/R=7ms)		전동기부하 (Motor load)	
	상시폐로 (Normal close)	상시개로 (Normal open)	상시폐로 (Normal close)	상시개로 (Normal open)	상시폐로 (Normal close)	상시개로 (Normal open)	상시폐로 (Normal close)	상시개로 (Normal open)
DC 8	15		3	3	15	15	10	10
14	15		3	3	15	10	10	10
30	15		3	3	10	10	10	6
125	10		3	1.5	6	6	6	4
250	3		1.5	0.75	2	1.5	2	1

수명 곡선 | Lifetime Curve |

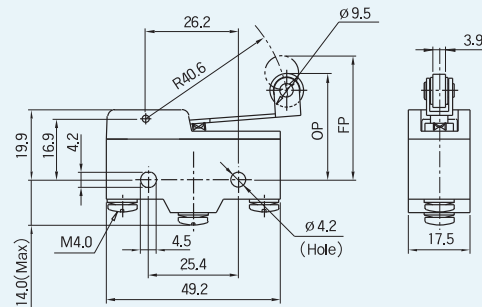


YS R1010GW-B



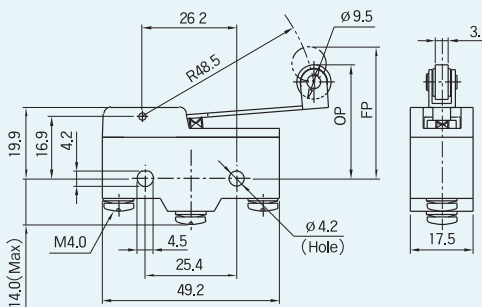
OF 최대(max.)	180gf
RF 최소(min.)	80gf
OT 최소(min.)	2.0mm
MD 최대(max.)	1.2mm
FP 최대(max.)	34.6mm
OP	30.2 ± 1.0 mm

YS R1110GW-B



OF 최대(max.)	150gf
RF 최소(min.)	50gf
OT 최소(min.)	3.0mm
MD 최대(max.)	2.0mm
FP 최대(max.)	36.0mm
OP	30.2 ± 1.0 mm

YS R1210GW-B

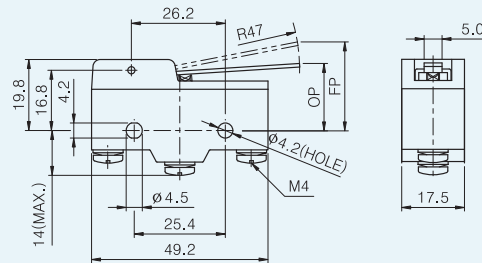


OF 최대(max.)	120gf
RF 최소(min.)	40gf
OT 최소(min.)	3.6mm
MD 최대(max.)	2.4mm
FP 최대(max.)	36.5mm
OP	30.2 ± 1.0 mm

외형 / 치수도 | Shape / Dimension Drawing |

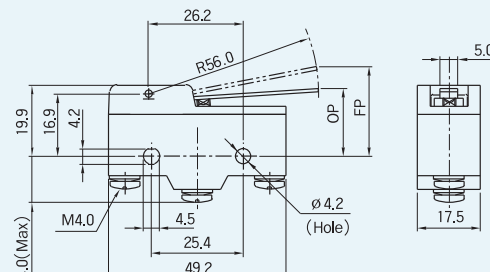
(unit : mm)

YS L2010GW-B



OF 최대(max.)	130gf
RF 최소(min.)	50gf
OT 최소(min.)	2.0mm
MD 최대(max.)	2.0mm
FP 최대(max.)	24.8mm
OP	19.1 ± 1.0 mm

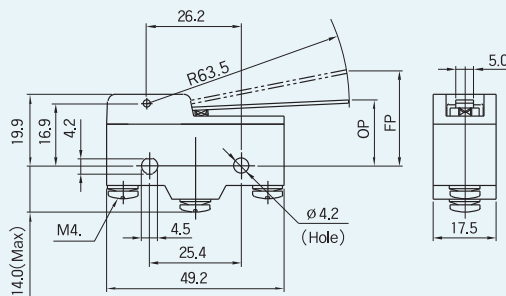
YS L2110GW-B



OF 최대(max.)	90gf
RF 최소(min.)	40gf
OT 최소(min.)	3.0mm
MD 최대(max.)	3.0mm

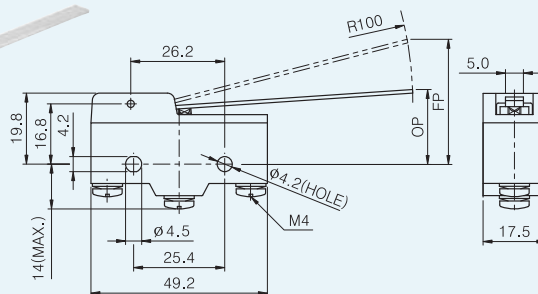
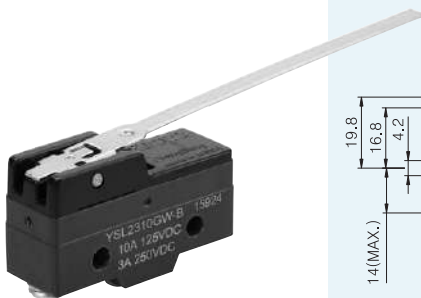
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YS L2210GW-B



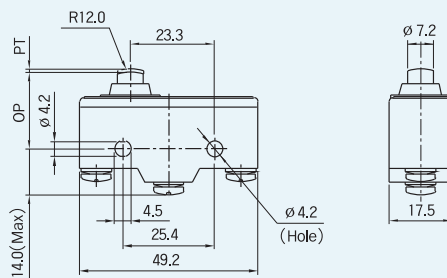
OF 최대(max.)	85gf
RF 최소(min.)	25gf
OT 최소(min.)	4.0mm
MD 최대(max.)	2.4mm
FP 최대(max.)	29.1mm
OP	19.1 ± 1.0 mm

YS L2310GW-B



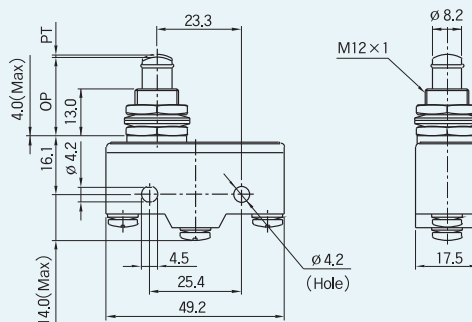
OF 최대(max.)	80gf
RF 최소(min.)	14gf
OT 최소(min.)	8.0mm
MD 최대(max.)	5.0mm
FP 최대(max.)	34.9mm
OP	19.1 ± 1.2 mm

YS P3010GW-B



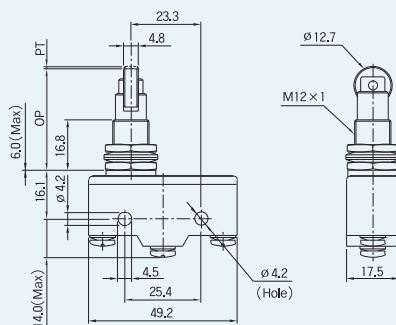
OF 최대(max.)	800gf
RF 최소(min.)	114gf
PT 최대(max.)	1.0mm
OT 최소(min.)	1.3mm
MD 최대(max.)	0.13mm
OP	21.2±0.8mm

YS P3310GW-B



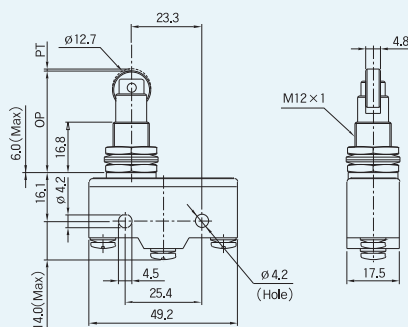
OF 최대(max.)	800gf
RF 최소(min.)	114gf
PT 최대(max.)	1.0mm
OT 최소(min.)	5.2mm
MD 최대(max.)	0.13mm
OP	21.8±0.8mm

YS RP3510GW-B



OF 최대(max.)	800gf
RF 최소(min.)	114gf
PT 최대(max.)	1.0mm
OT 최소(min.)	3.2mm
MD 최대(max.)	0.13mm
OP	33.3±1.4mm

YS RP3610GW-B



OF 최대(max.)	800gf
RF 최소(min.)	114gf
PT 최대(max.)	1.0mm
OT 최소(min.)	3.2mm
MD 최대(max.)	0.13mm
OP	33.3±1.4mm