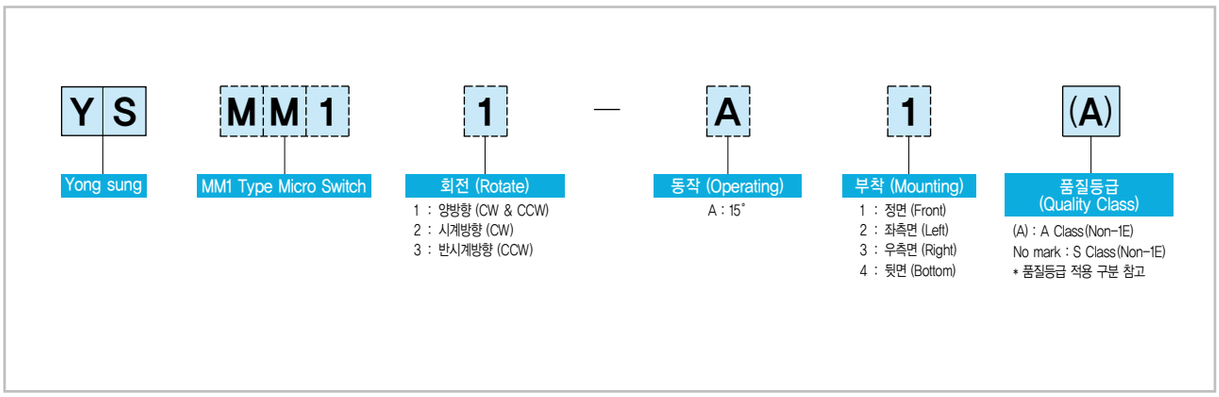
2-2 마이크로 스위치
MICRO SWITCH - MM1 TYPE

형식 구분도 | Type classification diagram |



특징 | Features |

· 고온 및 내방사능 설계
· 내진동 및 내지진 설계
· NEMA 4 적용 설계

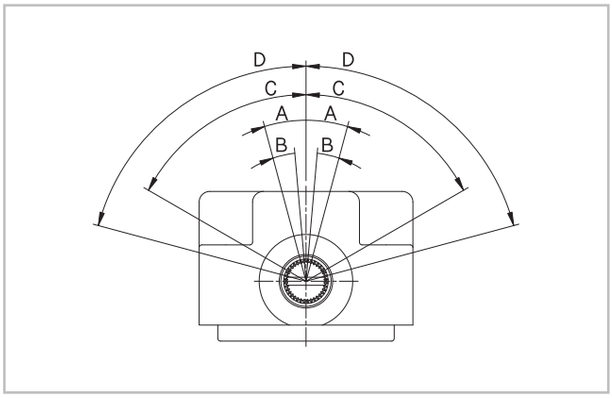
· Designed to resist high temperature and radiation.
· Designed to resist seismic and vibration.
· Designed to NEMA 4

성능 개요 | Performance summary |

절연저항 (Insulation resistance)		100MΩ 이상 (Above 100MΩ), DC 500V MEGGER
접촉저항 (Contact resistance)		50mΩ 이하, 초기치 (Below 50mΩ, initial value)
내전압 (Withstand voltage)	접점과 접점 사이 (Contact to contact)	AC 1,500 V / 1min (50~60 Hz)
	접점과 외함 (Contact to insulation)	AC 2,500 V / 1min (50~60 Hz)
전기적 수명 (Electrical life)		100,000회 (100,000 times)
사용 주위온도 (Ambient temperature)		-25 ~ 60℃ (-13 ~ 140℉)
상대습도 (Relative humidity)		Max. 95 %
압력 (Pressure)		대기압 (Atmospheric)
방사선 (Radiation)		2 X 10^5Gy (TID)
보관온도 (Storage temperature)		-30 ~ 65℃ 결로되지 않는 조건 (Without condensation)

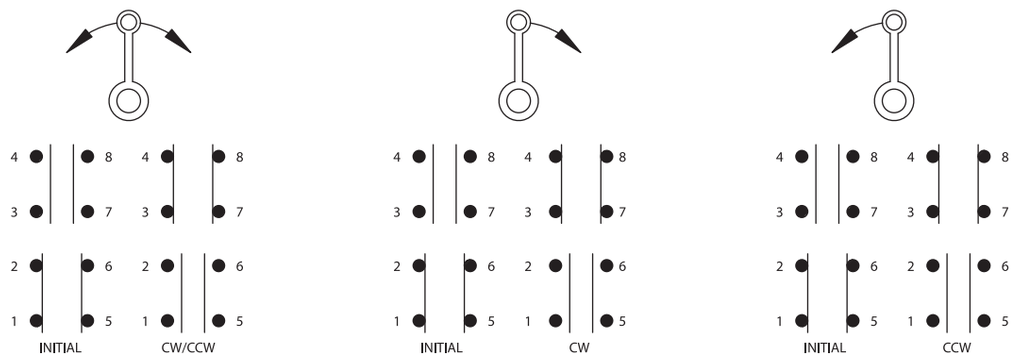
마이크로 스위치
MICRO SWITCH - MM1 TYPE

동작 특성 | Operating characteristic |



기호 (Mark)	설명 (Description)	A type
A	동작각도 (Trip travel)	15° ± 5°
B	복귀각도 (Reset travel)	10° ± 3°
C	권장각도 (Recommended travel)	25° ~ 60°
D	전체각도 (Total travel)	최대(Max.) 75°
	조작력 (Torque) max.	5.4 kgf·cm

접점 구성 | Contact formation |



YS MM 11 YS MM 12 YS MM 13

접점 정격 | Contact rating |

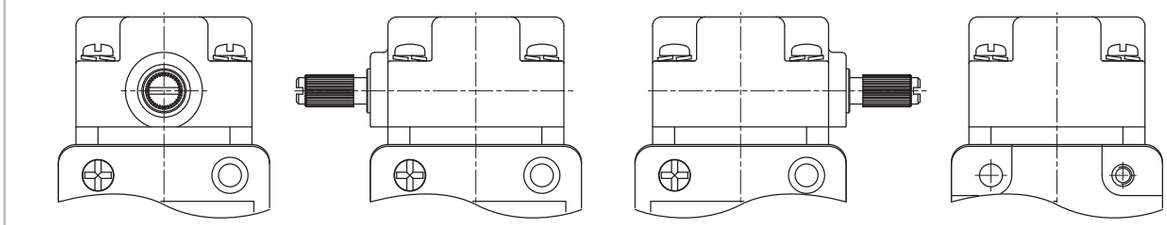
정격 절연전압 (Rated insulation voltage) U_i			AC 250V, DC 250V	
정격 통전전류 (Rated conductive current) I_{th}			10A	
AC	정격 전압 (Rated voltage) U_e		100 ~ 120V	200 ~ 240V
	정격전류 (Rated current) I_e	저항부하 (Resistive load)	10A	10A
		유도부하 (Inductive load)	5A	3A
DC	정격 전압 (Rated voltage) U_e		125V	220V
	정격전류 (Rated current) I_e	저항부하 (Resistive load)	1A	0.5A
		유도부하 (Inductive load)	0.4A	0.2A

금도금 접점은 500mA 이하의 저전류 적용을 권장합니다.
(Gold-plated contacts are recommended when using current is less than 500mA.)

부품 재질 | Part materials |

부품 (Part)	재질 (Materials)
커버 (Cover)	아연 합금 (Zinc alloy)
몸체 (Housing)	아연 합금 (Zinc alloy)
머리 (Head)	아연 합금 (Zinc alloy)
접점 (Contact)	은합금/금도금 (Silver alloy/Gold plated)
스위치 몸체 (Switch body)	DAP(Dially phthalate) resin
패킹 (Packing)	EPDM

머리 방향 | Head position |



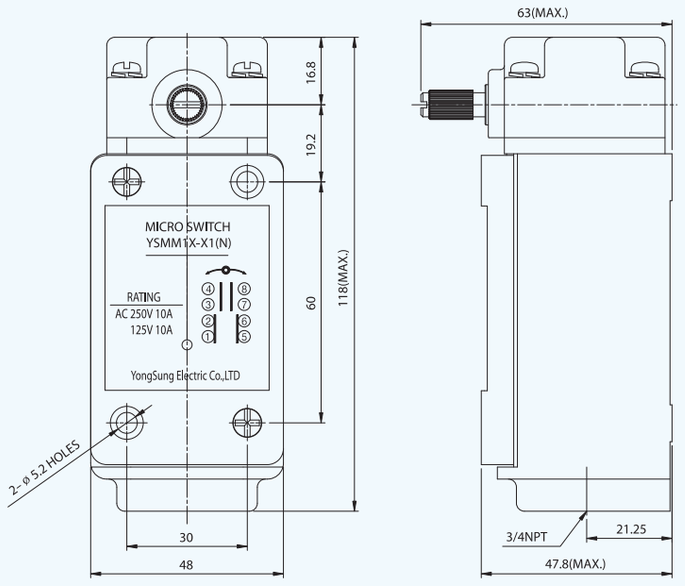
정면 (Front) 좌측 (Left) 우측 (Right) 뒷면 (Bottom)

외형 치수도 | Shape dimension |

(Unit : mm)

YSMM1 type

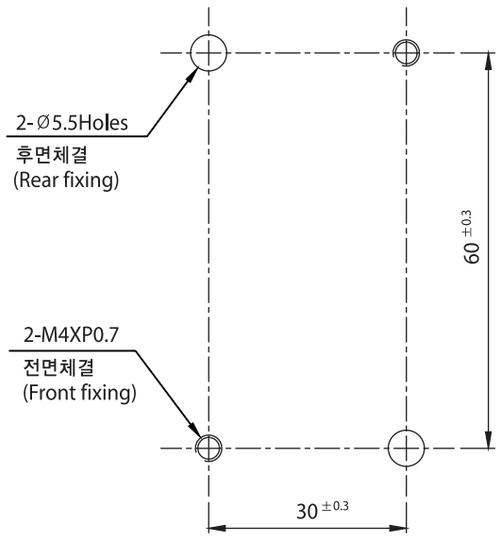
중량 (Weight) : About 880g (Without lever)
부착 볼트 (Mounting bolt)
Front : 2 X M4, Rear : 2 X M5
부착 토크 (Torque)
M4 : 3N·m (30Kgf·cm)
M5 : 3.5N·m (35Kgf·cm)



MICRO SWITCH

부착 치수 | Mounting cut-out dimension |

(Unit : mm)



※ 전면과 후면 모두 체결을 권장합니다.
(It is recommended to fasten both the front and the rear.)