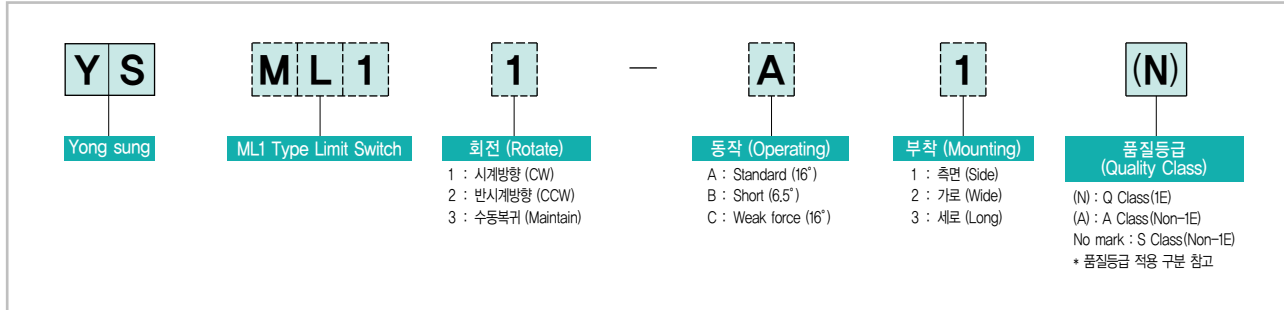


1-2 | 리미트 스위치 LIMIT SWITCH - ML1 TYPE

형식 구분도 | Type classification diagram |



특징 | Features |

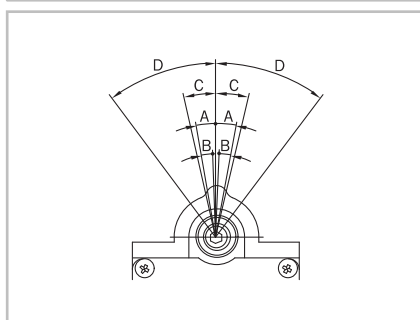
- IEEE 323(KEPIC END 1100) 적용하여 내환경검증
- IEEE 344(KEPIC END 2000), IEEE 382(KEPIC END 3700) 적용하여 내진검증
- NEMA 4 적용 설계
- Environmental qualification by IEEE 323(KEPIC END 1100)
- Seismic qualification by IEEE 344(KEPIC END 2000) and IEEE 382(KEPIC END 3700)
- Designed to NEMA 4

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)	AC 2,500 V / 1min (50 ~ 60Hz)
전기적 수명 (Electrical life)	100,000회 (100,000 times)
사용 주위온도 (Ambient temperature)	-25 ~ 60℃ (-13 ~ 140°F)
상대습도 (Relative humidity)	Max. 95%
압력 (Pressure)	대기압 (Atmospheric)
방사선 (Radiation)	2 X 10 ⁵ Gy (TID)
보관온도 (Storage temperature)	-30 ~ 65℃ 결로되지 않는 조건 (Without condensation)

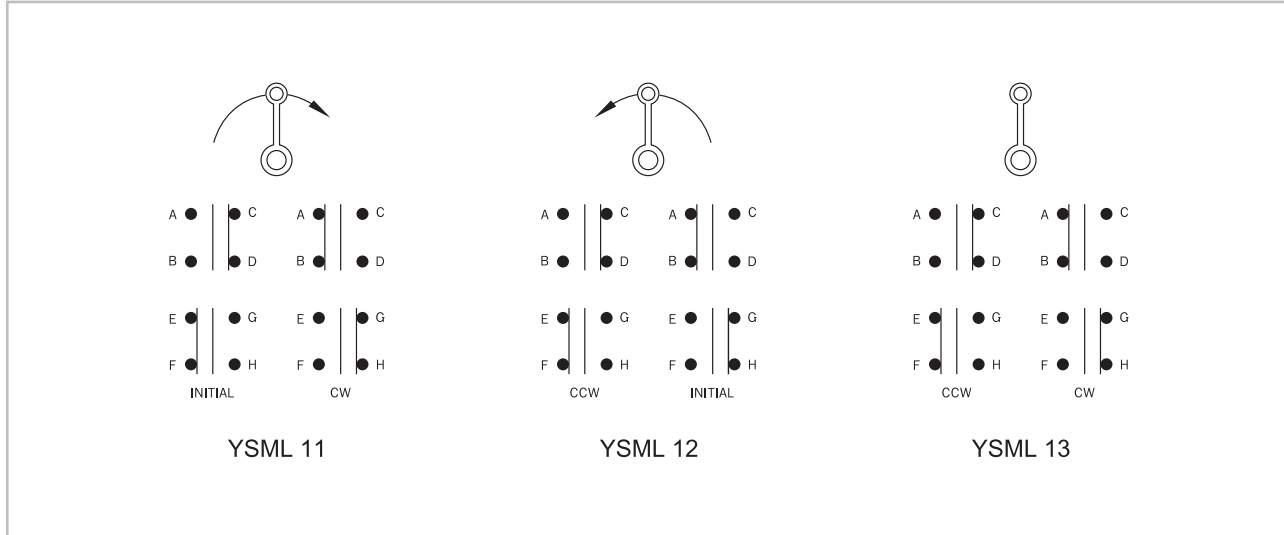
기기검증 조건은 문의 바랍니다. (Please contact us for equipment qualification condition.)

동작 특성 | Operating characteristic |



기호 (Mark)	설명 (Description)	A type	B type	C type
A	동작각도 (Trip travel)	16° ± 5°	6.5° ± 3°	16° ± 5°
B	복귀각도 (Reset travel)	14° ± 5°	4° ± 3°	14° ± 5°
C	권장각도 (Recommended travel)	20°	10°	20°
D	최대동작각도 (Total travel)	39.5°	34.7°	39.5°
	조작력 (Torque) max.	30 kgf·cm (26 lb-in)	37 kgf·cm (32 lb-in)	14 kgf·cm (12 lb-in)

접점 구성 | Contact formation |



LIMIT SWITCH

접점 정격 | Contact rating |

정격 절연전압 (Rated insulation voltage) U_i			AC 600V, DC 250V		
정격 통전전류 (Rated conductive current) I_{th}			30A		
AC	정격 전압 (Rated voltage) U_e		100 ~ 120V	200 ~ 240V	380 ~ 440V
	정격전류 (Rated current) I_e	저항부하 (Resistive load)	20A	15A	10A
		유도부하 (Inductive load)	6A	5A	3A
DC	정격 전압 (Rated voltage) U_e		110V	125V	250V
	정격전류 (Rated current) I_e	저항부하 (Resistive load)	5A	5A	1.5A
		유도부하 (Inductive load)	1.1A	1.0A	0.5A

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)	스테인리스 강 (Stainless steel)
부착판 (Mounting plate)	스테인리스 강 (Stainless steel)
몸체 (Housing)	아연합금 (Zinc alloy)
접점 (Contact)	은합금/금도금 (Silver alloy/Gold plated)
스위치 몸체 (Switch body)	DAP (Dially phthalate) resin
가스켓 & 패킹 (Gasket & Packing)	EPDM

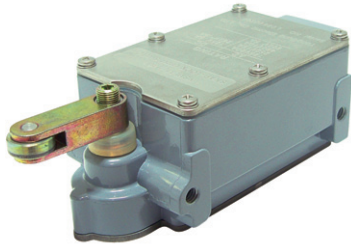
리미트 스위치

LIMIT SWITCH - ML1 TYPE

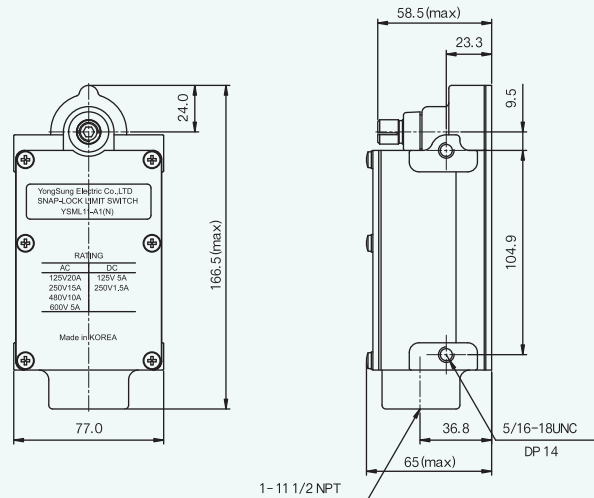
외형 치수도 | Shape dimension |

(Unit : mm)

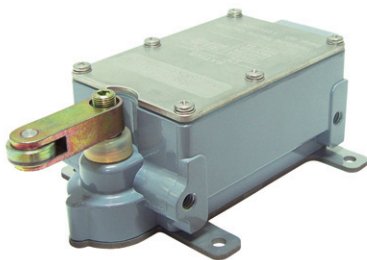
측면 부착 (Side mounting) YSML1X-X1 type



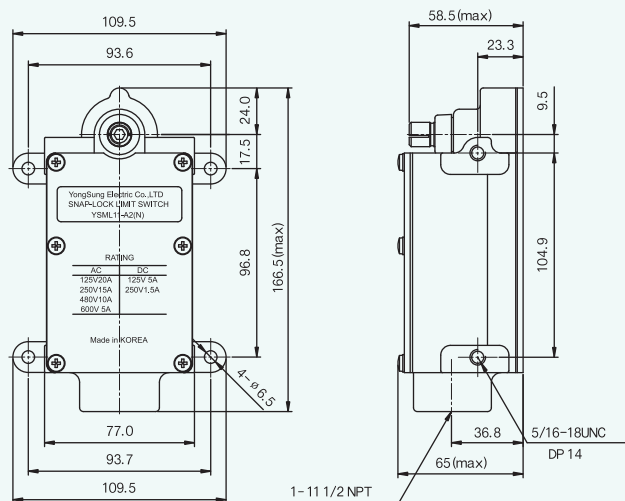
중량 (Weight) : About 2.0Kg (without lever)
부착 볼트 (Mounting bolt) : 2 X 5/16-18UNC
부착 토크 (Torque) : 15.8N·m (160Kgf·cm)



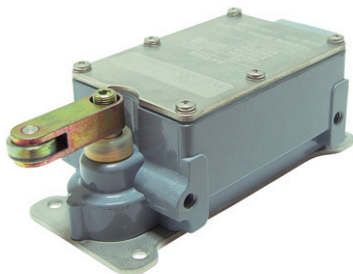
가로 부착 (Wide mounting) YSML1X-X2 type



중량 (Weight) : About 2.3Kg (without lever)
부착 볼트 (Mounting bolt) : 4 X M6
부착 토크 (Torque) : 4N·m (40Kgf·cm)



세로 부착 (Long mounting) YSML1X-X3 type



중량 (Weight) : About 2.3Kg (without lever)
부착 볼트 (Mounting bolt) : 4 X M6
부착 토크 (Torque) : 4N·m (40Kgf·cm)

