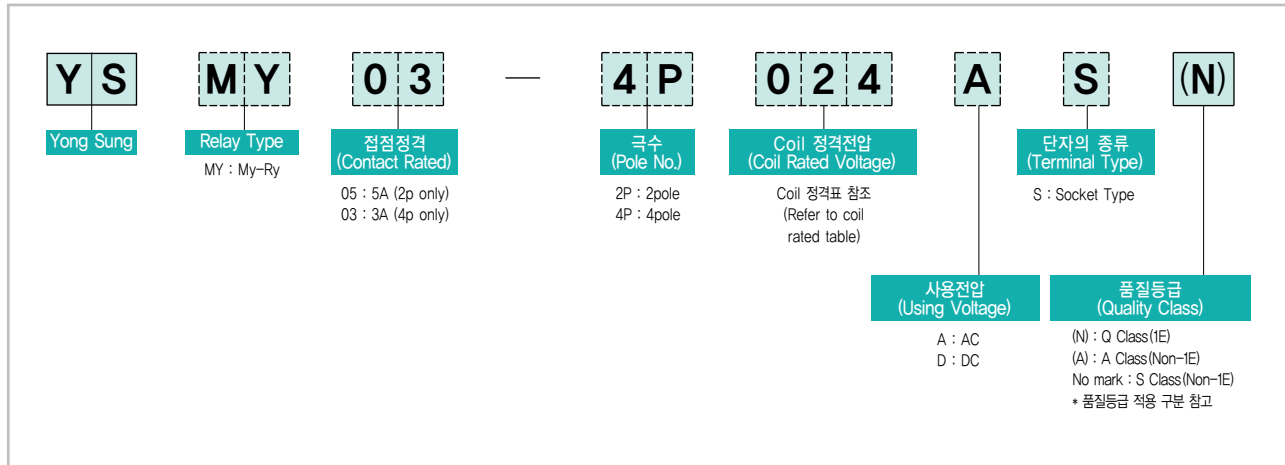


10-1 | 소형 파워 릴레이 MINI POWER RELAY

형식 구분도 | Type classification diagram |



특징 | Features |

- IEEE 323(KEPIC END 1100) 적용하여 내환경검증
- IEEE 344(KEPIC END 2000) 적용하여 내진검증
- Environmental qualification by IEEE 323(KEPIC END 1100)
- Seismic qualification by IEEE 344(KEPIC END 2000)

성능 개요 | Performance summary |

접촉저항 (Contact resistance)		50mΩ 이하, 초기치 (Below 50mΩ, initial value)
절연저항 (Insulation resistance)		100MΩ 이상 (Above 100MΩ), DC 500V MEGGER
내전압 (Withstand voltage)	단자간 (Terminal to terminal)	AC 1,000V / 1 min (50 ~ 60Hz)
	단자와 외함 (Terminal to case)	AC 1,500V / 1 min (50 ~ 60Hz)
수명 (Lifetime)	전기적 (Electrical)	500,000회 (500,000 times)
	기계적 (Mechanical)	3,000,000회 (3,000,000 times)
동작시간 (Operating time)		20ms 이하 (Below 20ms)
복귀시간 (Return time)		20ms 이하 (Below 20ms)
내진동 (Vibration resistance)		10 ~ 55Hz Double amplitude 1.0mm
사용 주위온도 (Ambient temperature)		-25 ~ 40℃ (-13 ~ 104°F)
상대습도 (Relative humidity)		Max. 95%
압력 (Pressure)		대기압 (Atmospheric)
방사선 (Radiation)		100Gy (TID)
보관온도 (Storage temperature)		-25 ~ 60℃ 결로되지 않는 조건 (Without condensation)
중량 (Weight)		약 40g (About 40g)

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

소형 파워 릴레이 MINI POWER RELAY

접점 정격 | Contact rating |

타입 (Type)	최대 용량 (Maximum capacity)		정격부하 (Rated road)		정격 통전전류 (Rated conductive current)	정격 절연전압 (Rated insulation voltage) (V)
	저항부하 (Resistive load) (cosØ=1)	유도부하 (Inductive load) (cosØ=0.4, L/R=0.7ms)	저항부하 (Resistive load) (cosØ=1)	유도부하 (Inductive load) (cosØ=0.4, L/R=0.7ms)		
YSMY03-4P	AC 660VA	AC 176VA	AC 220V 3A	AC 220V 0.8A	3A	AC 250V DC 125V
	DC 72W	DC 36W	DC 24V 3A	DC 24V 1.5A		
YSMY05-2P	AC 1,100VA	AC 440VA	AC 220V 5A	AC 220V 2A	5A	
	DC 120W	DC 48W	DC 24V 5A	DC 24V 2A		

코일 정격 | Coil rating |

	정격전압 (Rated voltage) (V)	정격전류 (Rated current) (mA)	코일저항 (Coil resistance) (Ω)	소비전력 (Power consumption)	동작전압 (Operating voltage) (V)	복귀전압 (Return voltage) (V)	최대허용전압 (Maximum voltage) (V)
AC	220 (50 ~ 60Hz)	8	12,500	1.6VA (at 60Hz)	Max. 80%	Min. 30%	110%
DC	24	48	500	1.2W		Min. 10%	
	125	10	12,710	1.2W			

Note 1. 정격전류 허용범위 (23℃일 때) : ±15% (Rated current tolerance (at 23℃): ±15%)
2. 코일저항 허용범위 (23℃일 때) : ±10% (Coil resistance tolerance (at 23℃): ±10%)
3. LED 타입은 유도전압에 의해 희미하게 점등 될 수 있으니 사전 검토 바랍니다.
(LED light may dim by induced voltage, so please take consideration in advance.)

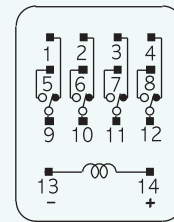
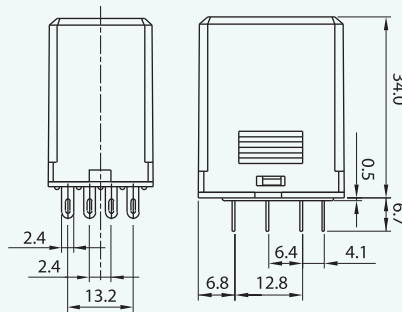
부품 재질 | Part materials |

부품 (Part)	재질 (Materials)
커버 (Cover)	PC resin
보빈 (Bobbin)	PBT resin
베이스 (Base)	PBT resin
접점 (Contact)	은합금 (Silver alloy)
프레임 (Frame)	탄소강 (Carbon steel)
고정단자 (Fixed terminal)	황동 (Brass)
가동단자 (Movable terminal)	인청동 (Phosphor bronze)
스프링 (Spring)	스테인리스 강 (Stainless steel)

외형 치수 및 내부 결선도 | Shape dimension & Internal wiring diagram |

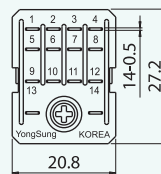
(Unit : mm)

YSMY03-4P

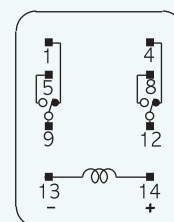
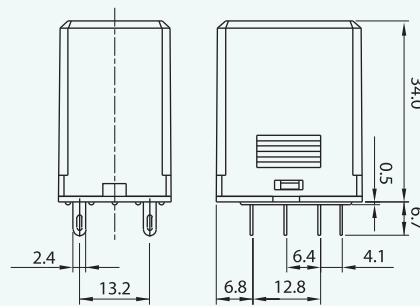


Schematic (Bottom view)

적용 소켓 (Socket) :
YSSKMY-4



YSMY05-2P



Schematic (Bottom view)

적용 소켓 (Socket) :
YSSKMY-2

