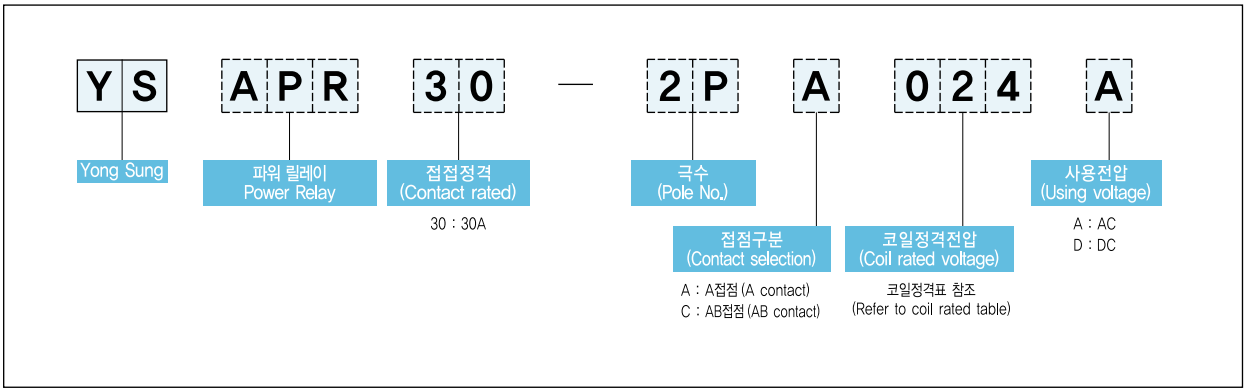
9-3 파워 릴레이
Power Relay

형식 구분도 | Type Classification Diagram |



특징 | Features |

· 소형이면서 대용량의 전류를 개폐할 수 있다.
· 냉동차, 전기온수기, 건조장치, 단상모타 기동용으로 널리 사용이 가능하다.
· 조립성이 용이하다. – 판넬조립이 가능함.
· 결선이 간편하다. – 커버부 조립상태에서 결선이 가능함.

· Small type and can switch large capacity.
· Widely used for refrigerator, electric water – warming device, dry machine, signle – phase motor starting.
· Easy for assembling – possible for panel assembling.
· Easy for wiring – possible for wiring with keeping cover assembled.

성능 개요 | Performance Summary |

절연저항 (Insulation resistance)	100MΩ 이상 (Above 100MΩ) (DC 500V. Meg)
접촉저항 (Contact resistance)	50mΩ 이하 (초기치) (Below 50mΩ, initial value)
내전압 (Withstand voltage)	AC2,500V/min (60Hz)
동작시간 (Operating time)	30ms 이하 (Below 30ms)
복귀시간 (Return time)	30ms 이하 (Below 30ms)
기계적수명 (Mechanical lifetime)	500만회 이상 (Above 5000,000 times) (20 times/min)
전기적수명 (Electrical lifetime)	25만회 이상 (Above 250,000 times) (20 times/min)
내진동 (Withstand vibration)	복진폭 (Double amplitude) 1.0mm (10~ 55Hz)
사용주위온도 (Ambient temperature)	-5℃ ~ +40℃
상대습도 (Relative humidity)	45 ~ 85%

부품 재질 | Part Materials |

부품 (Part)	재질 (Materials)
몸체 (Body)	PC 수지 (Polycarbonate resin)
커버 (Cover)	PC 수지 (Polycarbonate resin)
단자 (Terminal)	황동 (Brass)
볼트 (Bolt)	탄소강 (Carbon steel)

접점 정격 | Contact Rated |

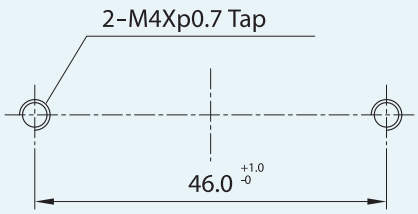
정격절연전압 (Rated insulation voltage)			AC600V, DC250V	
정격통전전류 (Rated conductive current)			35A	
정격사용전압 (Rated voltage)			110V	220V
정격전류 (Rated voltage)	AC	저항부하 (Resistive load)	30A	25A
		유도부하 (Inductive load)	26A	13A
	DC	저항부하 (Resistive load)	2.6A	1.3A
		유도부하 (Inductive load)	2.3A	0.7A

코일 정격 | Coil Rated |

정격전압 (Rated voltage) V	정격전류 (Rated current) mA	Coil 저항 (Coil resistance) Ω	소비전력 (Power consumption) VA,W
AC 110	256	380	28VA
AC 220	162	1,240	31VA
DC 24	99	242	2.4W
DC 110	29	3,760	2.4W
DC 125	30	4,050	4.0W

판넬 가공 치수 | Cut-out Dimension |

(unit : mm)

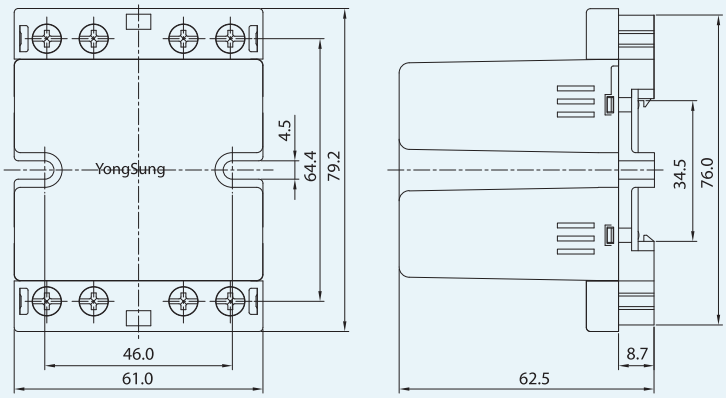


외형 / 치수도 | Shape / Dimension Drawing |

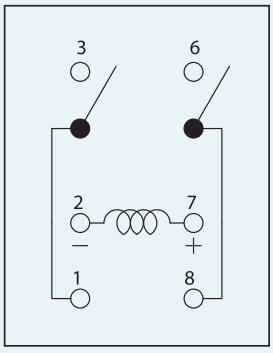
(unit : mm)

파워 릴레이 (Power Relay)

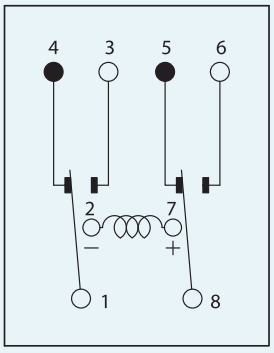




내부 결선도 | Inside Connection Diagram |



2PA



2PC