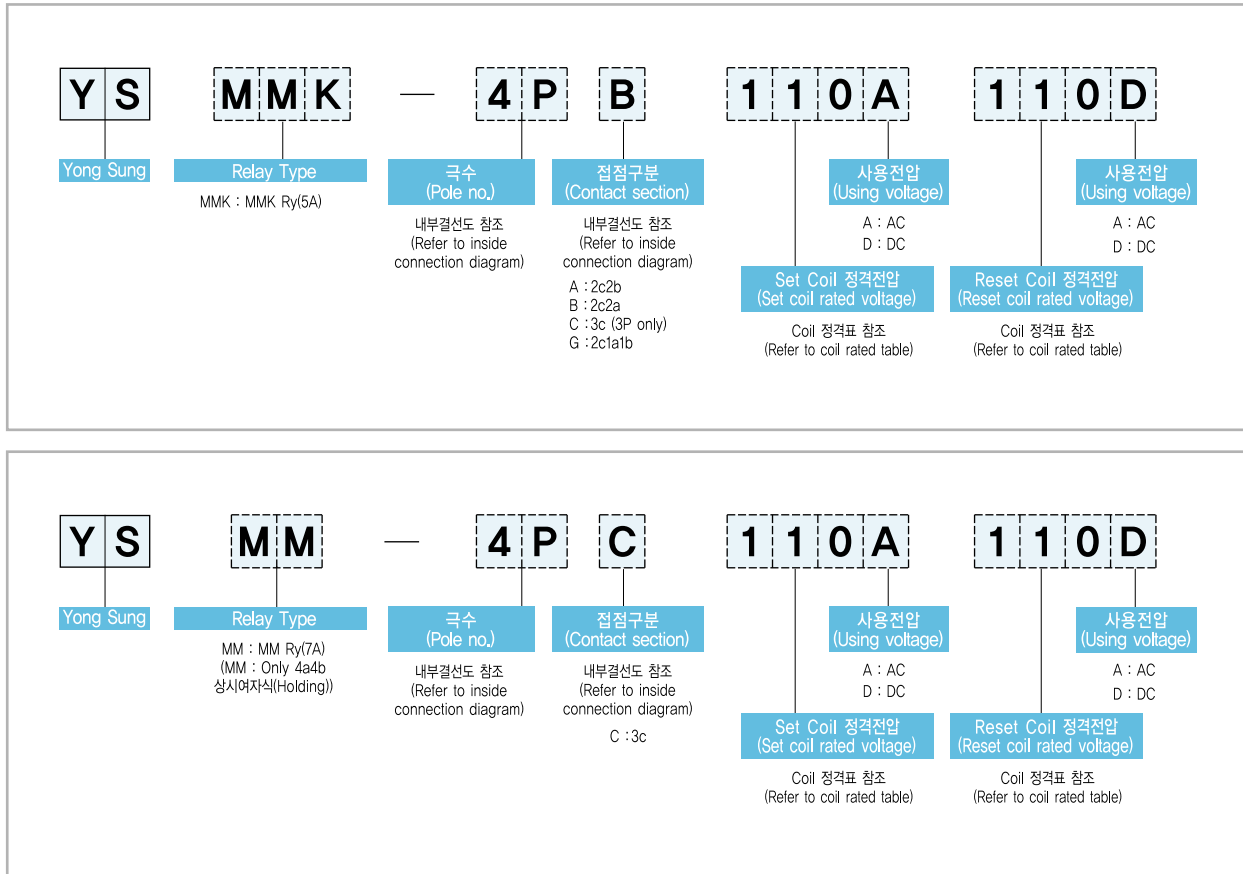


## 9-4

자기 유지형 릴레이 (전력용 보조 계전기)  
Keep Relay (Auxiliary Relay for Electric Power)

## 형식 구분도 | Type Classification Diagram |



## 특징 | Features |

## 기계적 Lock방식의 Keep Relay (MMK형)

- 동작이 기계적으로 유지되기 때문에 소비전력이 적어 경제적입니다. (MMK)
- Set coil을 AC, Reset coil을 DC로 하는 사양의 Relay도 제조가능합니다. (MMK)
- Pulse 신호전력으로 빠른 응답동작
- 안정된 접촉신뢰성, 긴 수명
- 설치, 배선이 용이하고 취급이 간단합니다.
- MM형은 상시 여자식 Relay입니다.

## Keep relay with mechanical lock method. (MMK type)

- Due to being mechanically operated, it is economical with less power consumption. (MMK)
- Possible to supply relay with AC set coil and DC reset coil also possible. (MMK)
- Rapid reponse due to pulse signal power.
- Stabilized contact reliability and long lifetime.
- Easy setting and wiring and simple maintenance.
- MM type is holding relay.

## 릴레이류

## 접점 정격 | Contact Rated |

구분 (Classification)	접점허용전력 (Contact allowable power)		전압(V) (voltage)	정격부하 (Rated load)		정격통전류(A) (Rated conductive current)
	저항부하 (Resistive load)	유도부하 (Inductive load)		저항부하 (Resistive load) (COSØ=1)	유도부하 (Inductive load) (COSØ=0.4, L/R=7ms)	
MMK4P	AC1250VA	AC1,000VA	AC250V	5	4	5
	DC120W	DC96W	DC 24V	5	4	
MM4P	AC1750VA	AC1,250VA	AC250V	7	5	7
	DC168W	DC120W	DC 24V	7	5	

## 코일 정격 | Coil Rated |

## ▶ SET COIL

	항목 (Item)	코일전류(mA) (Coil current)		코일저항(Ω) (Coil resistance)		소비전력(VA, W) (Power consumption)		SET전압 (Set voltage)	최대허용 전압(Max. allowable voltage)	복귀전압 (Return voltage)
정격전압(V) (Rated voltage)	형식 (Type)	MMK형 (MMK type)	MM형 (MM type)	MMK형 (MMK type)	MM형 (MM type)	MMK형 (MMK type)	MM형 (MM type)	정격전압에 대한 비율 (Ratio against rated voltage)		MM형 (MM type)
AC	110	1,000	700	103	157	115	77	MMK type MM type below 80%	MMK type MM type 110%	Above 30%
	220	353	271	454	800	77	59			
DC	24	150	160	158	152	3.6	2.7	MMK type below 80% MM type below 70%		
	48	71	52	671	824	3.42	2.5			
	110	29	22	3,700	4,600	3.3	2.8			
	125	27	22	4,440	5,600	3.4	2.8			
	220	13	—	17,200	—	2.8	—			

## ▶ RESET COIL

정격전압(V) (Rated voltage)	항목 (Item)	코일전류(mA) (Coil current)(mA)	코일저항(Ω) (Coil resistance)(Ω)	소비전력(VA, W) (Power consumption)	RESET전압 (Reset voltage)	최대허용전압 (Max. allowable voltage)
	정격전압에 대한 비율 (Ratio against rated voltage)					
AC	110	122	426	13.4	Below 80%	110%
	220	155	1,496	34.0		
DC	24	169	139	4.1		
	48	50	971	2.4		
	110	40	2,900	4.4		
	125	41	3,100	5.1		
	220	17.2	12,500	3.8		

※ 주 : 1. 정격전류, Coil 저항은 Coil 온도가 23℃일 때의 값으로서 허용공차는 AC정격전류 : +15%, -20%이며, DC Coil 저항은 ±15%입니다.  
2. 동작특성은 Coil 온도가 23℃에서의 특성치입니다.

※ Note : 1. As rated current and coil resistance are the value at 23℃ of coil temperature, its allowable tolerance is  
AC rated current : +15% ~ - 20% and DC coil resistance : ±15%  
2. Operating characteristics is the value at 23℃ of coil temperature.

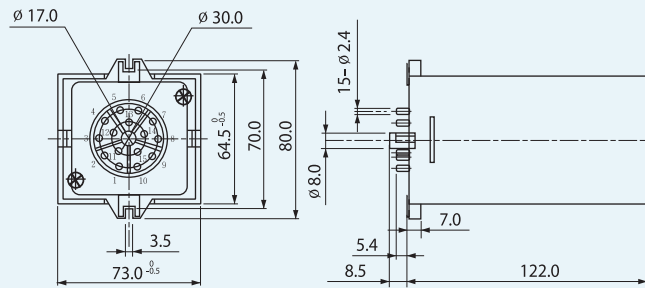
## 외형 / 치수도 | Shape / Dimension Drawing |

(unit : mm)

YS MMK-4P



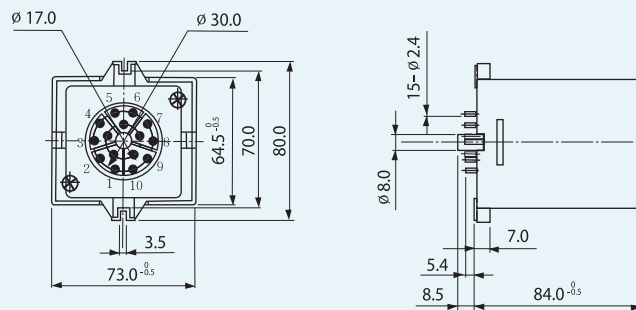
※ 적용 socket (Applied socket) : YS SK14-K



YS MM-4P

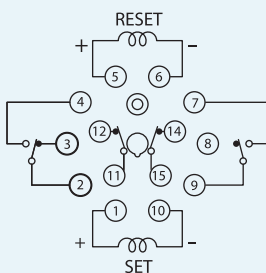


※ 적용 socket (Applied socket) : YS SK14-K

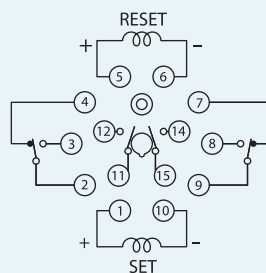


## 내부 결선도 | Inside Connection Diagram |

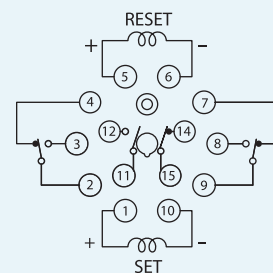
YS MMK-4PA (MMK TYPE 2c2b)



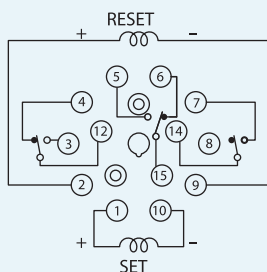
YS MMK-4PB (MMK TYPE 2c2a)



YS MMK-4PG (MMK TYPE 2c1a1b)

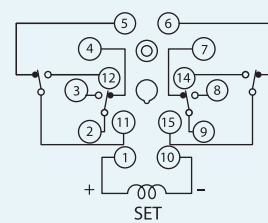


YS MMK-3PC (MMK TYPE 3c)



YS MM-4PC (MM TYPE 4c)

※ 상시 여자식 (Holding)



릴레이