

General Purpose Relay

505 Series

Part Number Description

505 - **①** **②**

① Contact Arrangement	2PL : 2C (LED)	4PL : 4C (LED)	
② Coil Voltage	12VDC	24VDC	100/110VDC
	12VAC 50/60 Hz	24VAC 50/60 Hz	
	100/110VAC 50/60 Hz	200/220VAC 50/60 Hz	220/240VAC 50/60 Hz

General Specification

Contact Ratings	Contact Form	2C	4C	
	Contact Material	Ag alloy (24K gold plate)		
	Maximum Contact Resistance	50mΩ		
	Rated Current (Resistance Load)	2C	4C	
		7A 30VDC 7A 250VAC	5A 30VDC 5A 250VAC	
	Maximum Switching Current	7A	5A	
	Maximum Contact Capacity	DC	210W	150W
		AC	1,750VA	1,200VA
Maximum Rated Voltage	125VDC / 250VAC			
Minimum Switching Current *	100mA 5VDC			
Coil Ratings	Coil Voltage	12VDC	24VDC	110VDC
		12VAC 50/60 Hz	24VAC 50/60 Hz	
		100/110VAC 50/60 Hz	200/220VAC 50/60 Hz	220/240VAC 50/60 Hz
	Coil Consumption	DC Coil : 0.9W ~ 1.1W		
		AC Coil : 0.9VA ~ 1.2VA (60Hz)		
Minimum Pick Up Voltage	80% of Nominal Voltage			
Maximum Drop-out Voltage	10% of Nominal Voltage DC			
	30% of Nominal Voltage AC			
Operating Time	20ms			
Drop-out Time	20ms			
Insulation Resistance	100MΩ min.(at 500VDC)			
Dielectric Strength	Between Contact Points : 1,000Vrms 1 minute			
	Between Contact Points and Coil : 1,500Vrms 1 minute			
Life Cycle	Mechanical : Min. 1,000,000			
	Electronic : Min. 200,000			
Vibration Resistant	10 ~ 55Hz (width of vibration 1.5mm)			
Ambient Temperature	-35 ~ +55°C (with no icing)			
Ambient Humidity	30% ~ 80% RH			
Weight	Approx. 35g			


☞ Please refer to the attention section.

☞ Specifications and materials can be changed without prior notice for the enhancement of the quality.

* The minimum switching current is indicated as a standard value. The actual minimum Switching rate is variable factor according to the make and break frequency, environmental condition and anticipated credibility level. Therefore, it is recommended that tests be done to test actual load value before the production process.



Product Selection

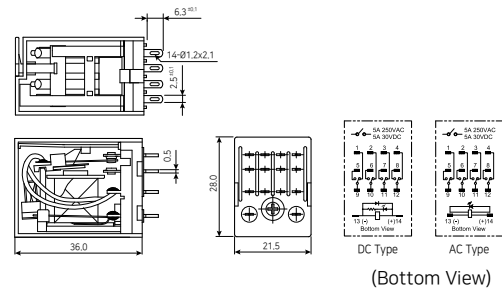
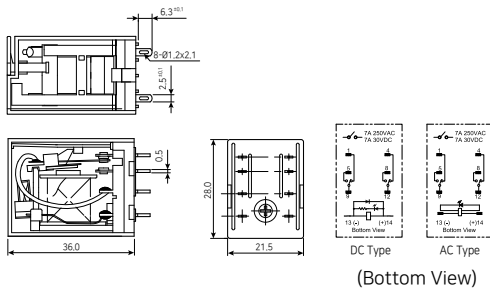
	Contact Form	Socket	Rated Voltage	Part Number	Weight (g)
	2Pole (2C)	KPY2	220VAC	505-2PL 220VAC	35g
		KPY22			
		KMY2	110VAC	505-2PL 110VAC	35g
		KMY2C			
		KMY2Q	24VAC	505-2PL 24VAC	35g
		KY08 (For soldering)	110VDC	505-2PL 110VDC	35g
		KY08-02 (For P.C Board)	24VDC	505-2PL 24VDC	35g
	12VDC	505-2PL 12VDC	35g		
	4Pole (4C)	KPY4	220VAC	505-4PL 220VAC	35g
KPY41					
KMY4		110VAC	505-4PL 110VAC	35g	
KMY4C					
KMY4Q		24VAC	505-4PL 24VAC	35g	
KMY4S					
KY14 (For soldering)		110VDC	505-4PL 110VDC	35g	
KY14-02 (For P.C Board)	24VDC	505-4PL 24VDC	35g		
	12VDC	505-4PL 12VDC	35g		

Dimension

unit : mm

505-2PL

505-4PL



☞ Refer to the socket drawings at page I -31