

General Purpose Relay

HR705 Series

Part Number Description

HR705	-	①	②	③	④
① Contact Arrangement	1P : 1C (option)	2P : 2C	3P : 3C (option)	4P : 4C	
② Mounting & Terminal	No mark : Socket-plug-in, Solder		P : PC Board-pin		
③ Option	No mark : Standard		L : LED indicator (DC Coil : green, AC Coil : red)		
	LD : LED indicator + freewheeling Diode (DC)		LC : LED indicator + Built-in the Surge Adsorbent Circuit (AC)		
④ 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	
		5A 24VDC 5A 240VAC	5A 24VDC 5A 240VAC	
	Maximum Switching Current	5A	5A	
	Maximum Rated Voltage	125VDC / 250VAC		
	Minimum Switching Current*	100mA 5VDC		
Coil Ratings	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
	Coil Consumption	DC Coils : Approx. 0.9W		
		AC Coils : Approx. 0.9VA		
	Minimum Pick-up Voltage	80% of Nominal Voltage		
General Ratings	Maximum Dropout Voltage	10% of Nominal Voltage DC		
		30% of Nominal Voltage AC		
	Operating Time	20ms		
	Drop-out Time	20ms		
	Insulation Resistance	100MΩ 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		
		Electrical : Min. 100,000		
	Vibration Resistant	10 ~ 55Hz width of Vibration 1.5mm		
	Ambient Temperature	-35 ~ +55°C (with no icing)		
	Ambient Humidity	35% ~ 80% RH		
	Weight	33g		



☞ 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

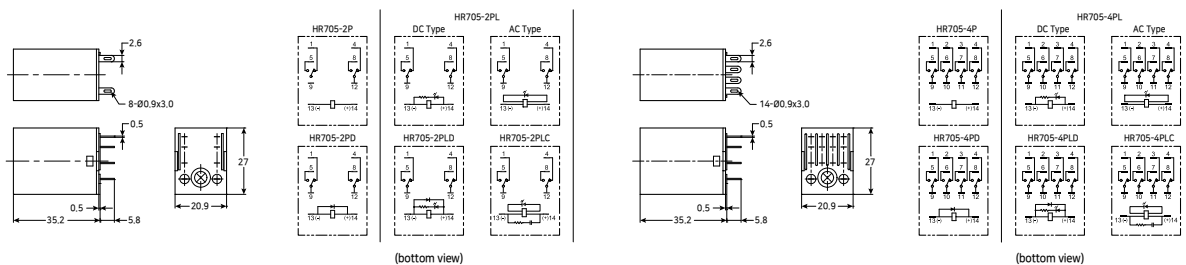
			Part Number				
	Contact Form	Socket	Rated Voltage	Non-Illumination	Illumination	Illumination Surge Absorption Circuit	Weight (g)
	2 Pole (2C)	KMY2	220VAC	HR705-2P 220VAC	HR705-2PL 220VAC	HR705-2PLC 220VAC	33g
		KY08 (For soldering)					
		KY08-02 (For P.C Board)	110VAC	HR705-2P 110VAC	HR705-2PL 110VAC		33g
		KMY2C					
		KMY2Q	24VAC	HR705-2P 24VAC	HR705-2PL 24VAC		33g
		KPY2					
		KPY22	110VDC	HR705-2P 110VDC	HR705-2PL 110VDC		33g
	4 Pole (4C)	KMY4	220VAC	HR705-4P 220VAC	HR705-4PL 220VAC	HR705-4PLC 220VAC	33g
		KMY4S					
		KY14 (For soldering)	110VAC	HR705-4P 110VAC	HR705-4PL 110VAC		33g
		KY14-02 (For P.C Board)					
		KMY4C	24VAC	HR705-4P 24VAC	HR705-4PL 24VAC		33g
		KMY4Q					
		KPY4	110VDC	HR705-4P 110VDC	HR705-4PL 110VDC		33g
			24VDC	HR705-4P 24VDC	HR705-4PL 24VDC	HR705-4PLD 24VDC	33g
			12VDC	HR705-4P 12VDC	HR705-4PL 12VDC		33g

Dimension

unit : mm

HR705-2P Series

HR705-4P Series



- HR705 surge absorption circuit models contain a circuit to absorb with coil surge absorption diodes, and models with coil surge absorption varistor circuits were used in It is suitable to apply where malfunctioning or disturbances are likely to happen in such devices as PLC.
 - In case where relay Contact point (PLC relay output card) is tracked, damages on Contact points of other tracking devices are reduced by absorbing surge and it is possible to use high priced equipment for a long period of time.
- ☞ Refer to the socket drawings at page I -31