

General Purpose Relay

HR710 Series

Part Number Description

HR710	-	①	②	③	④
① Contact Arrangement	1P : 1C	2P : 2C	4P : 4C		
② Mounting & Terminal	No mark : Blade-Style, Solder		P : PC Board-pin (option)		
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 Form	1C	2C	4C
	Contact Material	Ag alloy (24K gold plate)		
	Maximum Contact Resistance	50mΩ		
Contact Ratings	Rated Current (Resistance Load)	1C	2C	4C
		15A 24VDC 15A 220VAC	10A 24VDC 10A 220VAC	
	Maximum Switching Current	15A	10A	
	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	1P, 2P DC Coil = Approx. 0.9W / 4P DC Coil = Approx. 1.5W		
		1P, 2P AC Coil = Approx. 1.2VA / 4P AC Coil = Approx. 2.5VA		
	Minimum Pick-up Voltage	80% of Nominal		
	Maximum Drop Out Voltage	10% of Nominal Voltage DC 30% of Nominal Voltage AC		
Operating Time	Maximum Pick-up	25ms		
	Minimum Drop-out	25ms		
	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	-25 ~ +55°C (with no icing)		
	Ambient Humidity	35% ~ 80% RH		
	Weight	2P : Approx. 33g , 4P : Approx. 65g		




☞ 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.



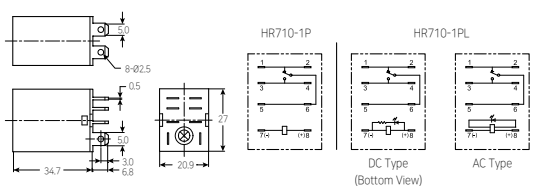
Product Selection

		Part Number					
Contact Form	Socket	Rated Voltage	Non-Illumination	Illumination	Illumination	Illumination Surge Absorption Circuit	Weight (g)
	1 Pole (1C)	220VAC	HR710-1P 220VAC	HR710-1PL 220VAC	HR710-1PLC 220VAC	HR710-1PLC 220VAC	33g
		110VAC	HR710-1P 110VAC	HR710-1PL 110VAC			33g
		24VAC	HR710-1P 24VAC	HR710-1PL 24VAC			33g
		110VDC	HR710-1P 110VDC	HR710-1PL 110VDC			33g
		24VDC	HR710-1P 24VDC	HR710-1PL 24VDC	HR710-1PLD 24VDC		33g
		12VDC	HR710-1P 12VDC	HR710-1PL 12VDC			33g
	2 Pole (2C) KLY2 KT08 (For soldering) KT08-O (For P.C Board) KLY2C KLY2Q	220VAC	HR710-2P 220VAC	HR710-2PL 220VAC	HR710-2PLC 220VAC	HR710-2PLC 220VAC	33g
		110VAC	HR710-2P 110VAC	HR710-2PL 110VAC			33g
		24VAC	HR710-2P 24VAC	HR710-2PL 24VAC			33g
		110VDC	HR710-2P 110VDC	HR710-2PL 110VDC			33g
		24VDC	HR710-2P 24VDC	HR710-2PL 24VDC	HR710-2PLD 24VDC		33g
		12VDC	HR710-2P 12VDC	HR710-2PL 12VDC			33g
	4 Pole (4C) KLY4 KTF14A KLY4C KLY4Q	220VAC		HR710-4PL 220VAC	HR710-4PLC 220VAC	HR710-4PLC 220VAC	65g
		110VAC		HR710-4PL 110VAC			65g
		24VAC		HR710-4PL 24VAC			65g
		110VDC		HR710-4PL 110VDC			65g
		24VDC		HR710-4PL 24VDC	HR710-4PLD 24VDC		65g
		12VDC		HR710-4PL 12VDC			65g

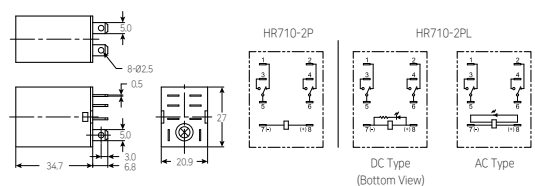
Dimension

unit : mm

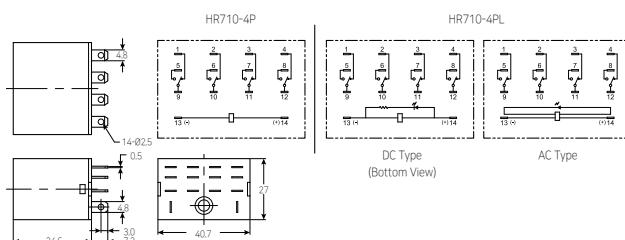
HR710-1P Series



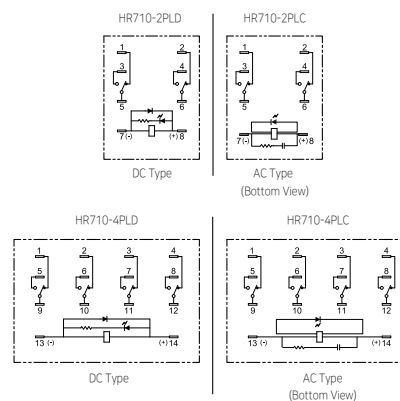
HR710-2P Series



HR710-4P Series



HR710 (Surge Absorption type)



- HR710 surge absorption contains 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 (PLC relay output card) is tracked, damages on contacts 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