Heavy Duty Relay

HR723 Series



Part Number Description







Contact Arrangement	1C: 1N/O + 1N/C	2A: 2N/O	2C: 2N/O + 2N/C
2 Coil Voltage	24VDC	110VAC	220VAC

General Specification

	Contact Form		1N/O + 1N/C 2N/O		Operating	Maximum Pick-up	30ms
	Contact Materia	al	2N/O + 2N/C Ag alloy	_	Time	Minimum Drop-out	30ms
Contact - Ratings	Maximum Contact Resistance		50mΩ	_	Insulation R	esistance	100MΩ at 500VDC
	Rated Current (Resistance Load)		30A 24VDC		Dielectric Strength		Between Contact Points: 2,000Vrms for 1 minute
			30A 220VAC				Between Contact Points and Coil
	Maximum Switc	hing Current	30A				: 2,500Vrms for 1 minute
	Maximum Rated Voltage		110VDC / 250VAC	_ General	Life Cycle		Mechanical : Min. 1,000,000
	Minimum Switching Current *		100mA 5VDC	Ratings			Electrical : Min. 100,000
	Coil Voltage		12VDC 24VDC	_	Vibration Resistant		10~55Hz (width of vibration 3.3mm)
			110VAC 50/60 Hz 220VAC 50/60 Hz		Ambient Ter	nperature	-40°C ~ +60°C (with no icing or condensing)
	Coil	DC	Approx. 2.8W	_	Ambient Hu	midity	5% ~ 80%RH (no condensing)
Coil Rat-	Consumption	AC	9.6VA				2A: Approx. 250g, 2C: Approx.
ings	ings Minimum Pick-up Voltage		80% of Nominal Voltage	_	Weight		300g, 1C : Approx. 200g
	Maximum Drop Out Voltage		DC: 10% of Nominal Voltage	_	Tightening T	orque	1.2N·m (12.24kgf·cm)
			AC : 30% of Nominal Voltage	_	Flammability rating		V0
	Rating		130 ° C ± 5 ° C (Class B) IEC 60335				

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

Product Selection

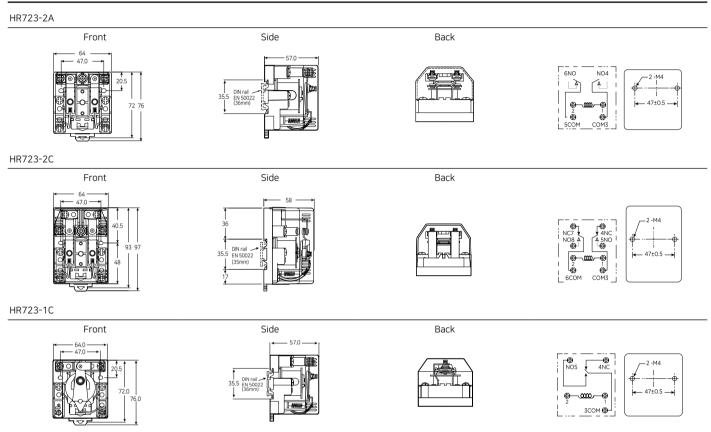
	Contact Form	Rated Voltage	Part Number
		220VAC	HR723-2A 220VAC
	2N/O	110VAC	HR723-2A 110VAC
		24VDC	HR723-2A 24VDC
		220VAC	HR723-1C 220VAC
	1N/O + 1N/C	110VAC	HR723-1C 110VAC
		24VDC	HR723-1C 24VDC
		220VAC	HR723-2C 220VAC
	2N/O + 2N/C	110VAC	HR723-2C 110VAC
		24VDC	HR723-2C 24VDC
Rev. 2/14 Data subject may change with	out notice.	www.kacon.co.kr	Industrial Controls Catalog I - 2



Heavy Duty Relay

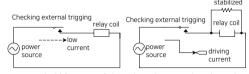
HR723 Series

Dimension unit : mm

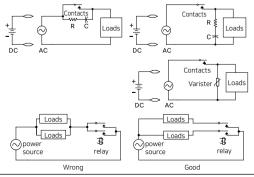


Cautions when using the relays

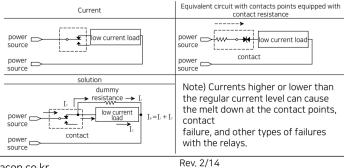
· When the relay is trigged with external contact sensors or etc., and if the resistance at the contact is higher, there can be problems and failures with the trigging. In these cases, the reasons can be the aging of the contact terminals or the specification. So, it is recommended that a dummy resistance is added to form a stabilized zener current at the contacts.



· For extended life span of the relay when used at the induction load, please arrange the contact protection circuit as shown here in.



- In case of relay products equipped with surge prevention circuits, the DC models have the return current diode, while the AC models have the R-C circuit.
 In case of DCs, there are diodes included inside. So, please take care when wiring for the polarity.
- · When using a number of loads simultaneous. It is advised that the loads are connected to the relay contact points individually.
- · When COMing a multiple number of loads, there can be imbalances between the contact points, which may lead to the destruction of the product.
- About the minimal switch regularity
 - A for the minimal switch regularity, the designers should consider a number of trouble shooting perspectives when the load is of types consuming very low amount of current. While the contact resistance consumes a very small amount of current, the design should include proper dummy resistance at both poles (parallel) for sequences with higher reliability, so that the current remains higher then the minimal switch regularity.



I - 30 Industrial Controls Catalog www.kacon.co.kr Rev. 2/14
Data subject may change without notice.