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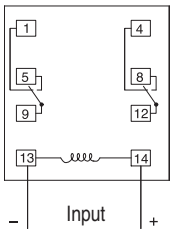
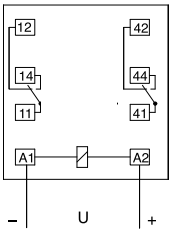
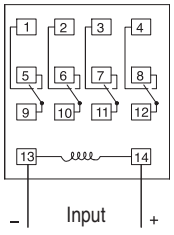
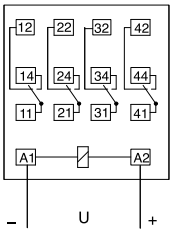
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Find the *Allen-Bradley 700-HC24Z24-4* at our website: *Click HERE*

700-HC Miniature Ice Cube Relay



- 7 or 10 A contact ratings
- 2PDT or 4PDT
- Standard ON/OFF flag indicator
- Blade-style terminals (2.0 x 0.5 mm)
- Choice of standard silver nickel contacts, or silver nickel with gold-plated contacts for low-energy applications
- Options: LED, push-to-test with manual override option
- Tungsten UL Approvals
  - 4-Pole: 5A @ 24V DC
  - 2-Pole: 10A @ 24V DC

Photo	Contact Rating		Wiring Diagrams		Coil Voltage	Cat. No.(1)
			U.S./Canada	International		
	2PDT 2-Pole 2 Form C Contacts: 10 A = AgNi Contacts	10 A C300 R300 Low energy rating; (10V, 10 mA) 100 mW			12V DC	700-HC22Z12
					24V DC	700-HC22Z24
					24V AC	700-HC22A24
					120V AC	700-HC22A1
			700-HN128	700-HN103 700-HN104	240V AC	700-HC22A2
	4PDT 4-Pole 4 Form C Contacts: 7A = AgNiAu Gold Plated Contacts	7 A Low energy rating; (5V, 10 mA or 25V, 2 mA) 50 mW			6V AC	700-HC14A06
					12V AC	700-HC14A12
					24V AC	700-HC14A24
					120V AC	700-HC14A1
					240V AC	700-HC14A2
					6V DC	700-HC14Z06
					12V DC	700-HC14Z12
					24V DC	700-HC14Z24
					48V DC	700-HC14Z48
					110V DC	700-HC14Z1
	4PDT 4-Pole 4 Form C Contacts: 7A = AgNi Silver Contacts	7 A C300 R300 Low energy rating; (10V, 10 mA) 100 mW			6V AC	700-HC24A06
					12V AC	700-HC24A12
					24V AC	700-HC24A24
					120V AC	700-HC24A1
					240V AC	700-HC24A2
					6V DC	700-HC24Z06
					12V DC	700-HC24Z12
					24V DC	700-HC24Z24
				700-HN103	48V DC	700-HC24Z48
			700-HN128	700-HN104	110V DC	700-HC24Z1

(1) LED Option: Add suffix (-4) to the selected 700-HC Relay catalog number, except for the 240V AC units, add (-4L).
Push-to-test, Manual Override, and LED Option: Add suffix (-3-4) to the selected 700-HC catalog number, except for the 240V AC units, add (-3-4L).
Push-to-test and Manual Override option: Add suffix (-3) to the selected 700-HC relay catalog number.

Accessories - 700-HC Relays

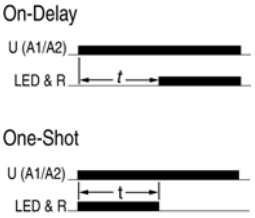
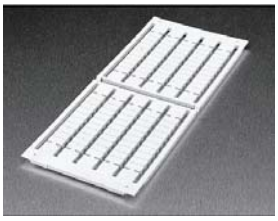
Photo	Description		Pkg. Qty.	Cat. No.
	**Diode with LED Surge Suppressor** Voltage Range: 6…24V DC used with 700-HN104 socket		10	700-ADL1
	Diode with LED Surge Suppressor Voltage Range: 28…60V DC used with 700-HN104 socket		10	700-ADL2
	Diode with LED Surge Suppressor Voltage Range: 110…220V DC used with 700-HN104 socket		10	700-ADL3
	Varistor with LED Surge Suppressor Voltage Range: 6…24V AC used with 700-HN104 socket		10	700-AV1R
	Varistor with LED Surge Suppressor Voltage Range: 110…240V AC used with 700-HN104 socket		10	700-AV3R
	RC Surge Suppressor Voltage Range: 6…24V AC/DC used with 700-HN104 socket		10	700-AR1
	RC Surge Suppressor Voltage Range: 110…240V AC/DC used with 700-HN104 socket		10	700-AR2
	**Timing Module** On-Delay or One-Shot selectable voltage range: 12…24V AC/DC used with sockets that accept plug-in accessory modules.		1	700-AT3
	Timing Module On-Delay or One-Shot selectable voltage range: 110…125V AC used with sockets that accept plug-in accessory modules.			700-AT3A1
	Timing Module On-Delay or One-Shot selectable voltage range: 230…240V AC used with sockets that accept plug-in accessory modules.			700-AT3A2
	Screw Terminal Socket — Panel or DIN Rail Mounting; Guarded Terminal Construction.I_{th} = 10 A per pole. 14-blade miniature socket for use with 700-SC Relays.		10	700-HN103
	Screw Terminal Socket — Panel or DIN Rail Mounting; Guarded Terminal Construction I_{th} = 10 A per pole. 14-blade miniature socket for use with 700-HC relays. This socket has coil and contact separation as well as the ability to plug in optional plug in modules (700-A___ accessories: LED, Surge Suppression, Timing Modules)		10	700-HN104
	Screw Terminal Base Socket — Panel or DIN Rail Mounting; Open-Style Construction I_{th} = 10 A per pole. 14-blade miniature socket for use with 700-HC Relays.		10	700-HN128

Photo	Description	Pkg. Qty.	Cat. No.
	**DIN (#3) symmetrical hat rail** 35 x 7.5 x 1 m	10	199-DR1
	**Retainer Clip for Cat. Nos. 700-HN103, -HN104 and -HN128 Sockets with 700-HC Relays.** Secures relay in socket.(1)	10	700-HN114
	Plastic Retainer and Ejection Lever For use with the 700-HN104 Sockets for 700-HC relays. Built-in ability to accept 1492 Snap-in Markers	10	700-HN124

(1) See 700-HC Miniature Square Base Relay, Socket, and Retainer Clip Reference Chart.

Photo	Description	Pkg. Qty.	Cat. No.
	**Relay Identification Snap-in Markers** Snap-in markers fit on top of product covers. Squares slip into molded slot on top of product cover.	5	1492-MS5X12
		5	1492-MS6X9
		5	1492-MS6X12
		5	1492-MS8X9
		5	1492-MS8X12
		100	1492-MP-Blank
	**Pre-Printed Identification Tags —** contains 10 sheets of pre-printed and blank tags. Each sheet contains 13 sets of the markings CR…9CR, TR…9TR, M…9M, F, R, 1S, and 117 blank tags. Tags are peel-off with sticky backing for easy placement on relays.	10	700-N40
	Markers — Used for terminal identification	50	700-N41

Socket and Retainer Clip Reference

Relay Type	Socket Cat. No.	Retainer Clip Cat. No.
700-HC	700-HN103	700-HN114
	700-HN128	700-HN114
	700-HN104	700-HN114 or 700-HN124

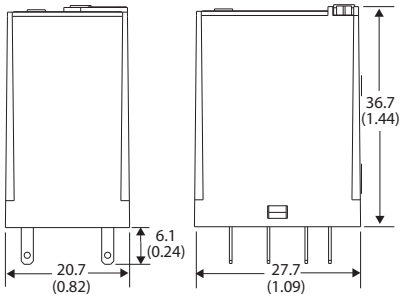
Specifications- 700-HC Relays

Attribute			700-HC					
Electrical Ratings								
Pilot Duty Rating (1)			NEMA C300, R300					
Rated Thermal Current (I_{th})			7 A and 10 A					
Rated Insulation Voltage (U_i)			250V IEC – 300V UL/CSA					
Contacts		**Inductive**	700-HC_4		Hp	700-HC22		Hp
			Make ►][◄	Break ◄][►		Make ►][◄	Break ◄][►	
		120V AC	15 A	1.5 A	1/8	15 A	1.5 A	1/3
		240V AC	7.5 A	0.75 A	1/3	7.5 A	0.75 A	3/4
		General-purpose	7 A, 277V AC			10 A, 277V AC		
		Resistive	7 A, 30V DC			10 A, 24V DC		
Min. Low Energy Permissible Load			100 mW (10V, 10 mA) - Silver Contacts 50 mW (5V, 10 mA, or 25V, 2 mA) - Gold Contacts					
Permissible Coil Voltage Variation			Pickup:	80…110% of nom voltage at 50 Hz 80…110% of nom voltage at 60 Hz 80…110% of nom voltage at DC		Must Dropout Voltage:	20% of nom voltage at AC 10% of nom voltage at DC	
			50 Hz			60 Hz		
Coil Consumption ±10%	**AC Coils**	**Inrush**	2.2VA			1.6VA		
		Sealed	1.3VA			1.1VA		
	DC Coils		1.0 W					
Max. Allowable Leakage			20% of VA (AC)					
			10% of W (DC)					
Design Specification/Test Requirements								
Electrical								
Dielectric Withstand Voltage		**Pole-to-Pole**	2000V					
		Contact to Coil	2000V					
Electrical Life (Cycles)			100,000 min					
Mechanical								
Degree of Protection (Open Type) IEC 529			IP 20 (Guarded Terminal Sockets)					
Mechanical lifecycles			20 x 10^6 (AC), 50 x 10^6 (DC)					
Switching Frequency Operations			1800/HR					
Coil Voltages			See Product Selection					
Operating Time		**Pickup**	10 ms					
		Dropout	3 ms					
Maximum Operating Rate			8 cycles/s					
Environmental								
Temperature		**Operating**	–30…+55 °C (–22…+131 °F)					
		Storage	–55…+85 °C (–67…+185 °F)					
Altitude			2000 m (6560 ft)					
Insulating Material			Molded High Dielectric Material					
Enclosure			Transparent Dust Cover					
Contact Material			AgNi(700-HC2), AgNi + 5 µm All (700-HC1)					
Terminal Markings on Socket			In accordance with EN50 0005					
Sockets			700-HN103, -HN128, -HN104					
Certifications			cURus Recognized (File No. E14843, Guide NRNT2/NRNT8), cULus Listed when used with 700- HN103, -HN104, and -HN128 sockets (File No. E14843, Guide NRNT/NRNT7), CE Marked, LR Certified					
Standards			UL 508, CSA 22.2 No. 14, EN 61810-1					

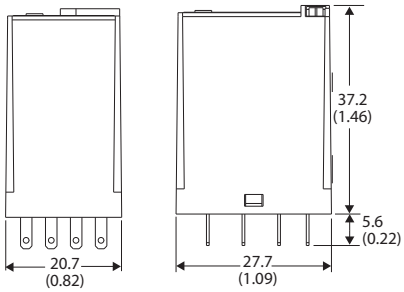
(1) See General Information on page 3.

Dimensions, 700-HC Relays

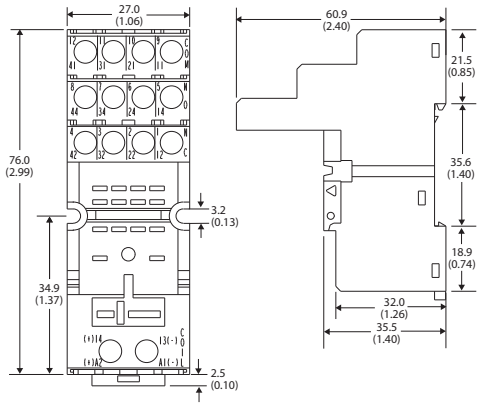
Approximate dimensions are shown in millimeters (inches). Dimensions are not intended for manufacturing purposes.



700-HC Relay (Two-Pole)

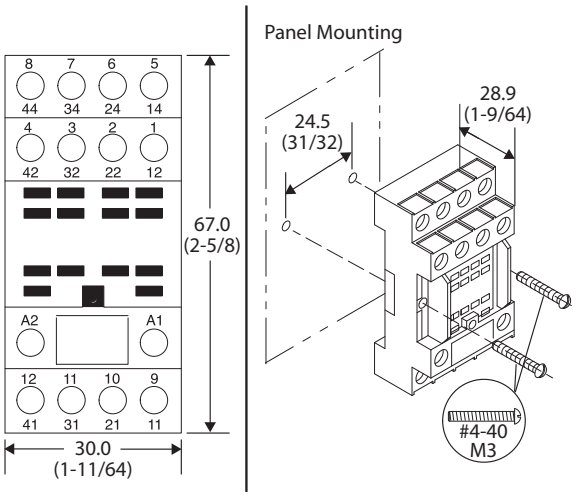


700-HC Relay (Four-Pole)



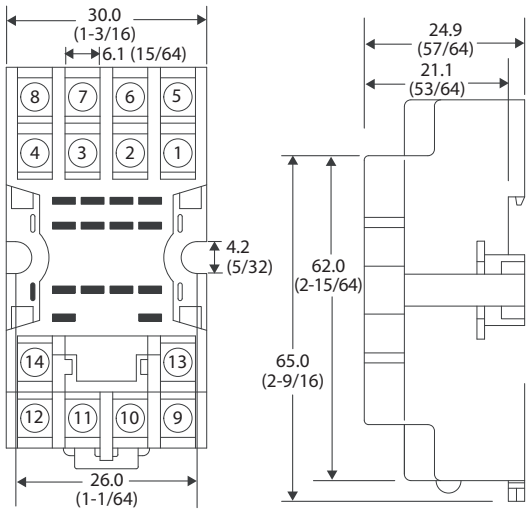
Cat. No. 700-HN104

Single Wire: 0.2 mm^2…2.5 mm^2 (24 AWG…14 AWG), Double Wire: 0.2 …2.5 mm^2 (24 AWG…14 AWG), Qty. 2 wires
Wire Type: solid or stranded, copper only, Strip Length: 7 mm (9/32 in.), Torque: 0.5 N•m (4.4 lb•in)



Cat. No. 700-HN103

Single Wire: 0.2 mm^2…2.5 mm^2 (#24 AWG…14 AWG)
Double Wire: 0.2…2 x 1.5 mm^2 (24 AWG…16 AWG), Qty. 2 wires
Wire Type: Solid or Stranded, Copper only
Strip Length: 8 mm (5/16 in.), Torque: 0.5 N•m (4.4 lb•in)



Cat. No. 700-HN128

Wire Size: 2 x 1.5 mm^2 (#2-16 AWG…#1-20 AWG)
(Either Solid or Stranded)
Strip Length: 9 mm (3/8 in.) – Toque: 0.8 N•m (7 lb•in)

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