

Specifications

Cat. No. 700-HC...							
Electrical Ratings							
Pilot Duty Rating ‡		NEMA C300, R300					
Rated Thermal Current (I_{th})		7 A and 10 A					
Rated Insulation Voltage (U)		250V IEC – 300V UL/CSA					
Contacts	Inductive	700-HC_4		Hp	700-HC22		Hp
		▶ ◀	◀ ▶		▶ ◀	◀ ▶	
	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:		Must Dropout Voltage:			
		80...110% of Nominal Voltage at 50 Hz		20% of Nominal Voltage at AC			
		80...110% of Nominal Voltage at 60 Hz		10% of Nominal Voltage at DC			
		80...110% of Nominal Voltage at DC					
		50 Hz		60 Hz			
Coil Consumption ±10%	AC Coils	Inrush	2.2 VA		1.6 VA		
		Sealed	1.3 VA		1.1 VA		
	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	4000V					
Electrical Life (Cycles)		100 000 minimum					
Mechanical							
Degree of Protection (Open Type) IEC 529		IP 20 (Guarded Terminal Sockets)					
Mechanical Life Cycles		20 x 10 ⁶ (AC) 50 x 10 ⁶ (DC)					
Switching Frequency Operations		1800/HR					
Coil Voltages		See Product Selection					
Operating Time (ms)	Max. Pickup	10					
	Max. Dropout	3					
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 AlI (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 Bulletin 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					

‡ NEMA Rating Chart is in publication 700-SG003*

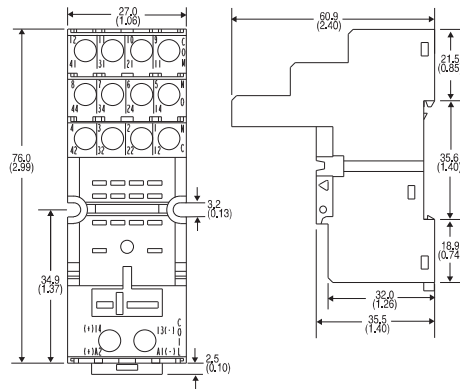
Approximate Dimensions

Approximate Dimensions are shown in millimeters (inches). Approximate Dimensions are not intended to be used for manufacturing purposes.



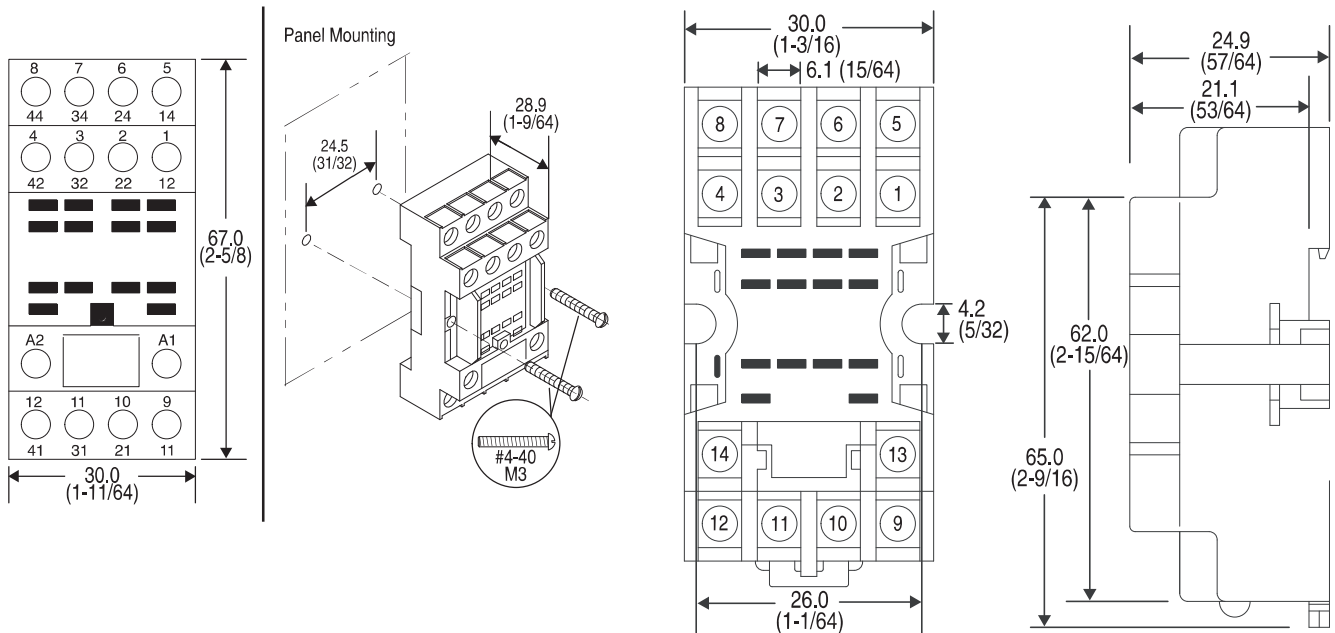
Bulletin 700-HC Relay (Two-Pole)

Bulletin 700-HC Relay (Four-Pole)



Cat. No. 700-HN104

Single Wire: 0.2 mm²...2.5 mm² (#24 AWG...14 AWG)
Double Wire: 2 x 0.2 mm²...2 x 2.5 mm² (2 x 24 AWG...2 x 14 AWG)
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

Cat. No. 700-HN128

Single Wire: 0.2 mm²...2.5 mm² (#24 AWG...14 AWG)
Double Wire: 2 x 0.2 mm²...2 x 1.5 mm² (2 x 24 AWG...2 x 16 AWG)
Wire Type: Solid or Stranded, Copper only
Strip Length: 8 mm (5/16 in.), Torque: 0.5 N•m (4.4 lb•in)

Wire Size: 2 x 1.5 mm² (#2-16 AWG...#1-20 AWG)
(Either Solid or Stranded)
Strip Length: 9 mm (3/8 in.) – Torque: 0.8 N•m (7 lb•in)