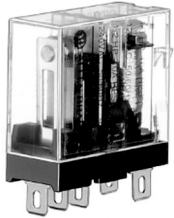
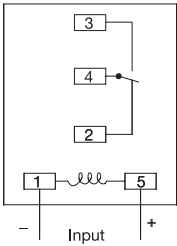
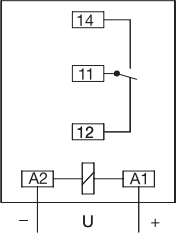

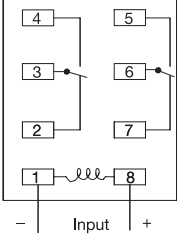
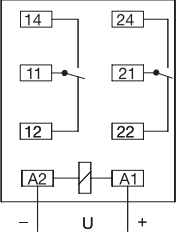




	<div>Bulletin 700-HK “Slim Line” Relay</div> <ul style="list-style-type: none"> • 5 A/10 A Contact Ratings • DPDT/SPDT • Plug-in Blade Style Terminals • Built-in Retainer Clip in Sockets • Choice of Standard Silver Cadmium Contacts, or Silver With Gold Plated Contacts • Options: LED 	<div>Table of Contents</div> <p>Product Selection ... this page</p> <p>Accessories 9-47</p> <p>Specifications 9-48</p> <p>Approximate Dimensions 9-49</p> <div>Standards Compliance and Certifications</div> <p>See Specification Table In This Section.</p>
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Slim Line Relay with Plug-in Quick Connect Terminations

	Description	Contact Rating	Wiring Diagrams		Coil Voltage	Cat. No.*†
			U.S./Canada	International		
 <div>Bulletin 700-HK SPDT</div>	SPDT 1-Pole 1 Form C AgCdO Contacts Socket	10 A	 <div>700-HN121</div>	 <div>700-HN121</div>	6V AC	700-HK36A06
					12V AC	700-HK36A12
					24V AC	700-HK36A24
					120V AC	700-HK36A1
					240V AC	700-HK36A2
					6V DC	700-HK36Z06
					12V DC	700-HK36Z12
					24V DC	700-HK36Z24
					48V DC	700-HK36Z48
					110V DC	700-HK36Z1
 <div>Bulletin 700-HK DPDT</div>	DPDT 2-Pole 2 Form C AgCdO Contacts Socket	5 A	 <div>700-HN122</div>	 <div>700-HN122</div>	6V AC	700-HK32A06
					12V AC	700-HK32A12
					24V AC	700-HK32A24
					120V AC	700-HK32A1
					240V AC	700-HK32A2
					6V DC	700-HK32Z06
					12V DC	700-HK32Z12
					24V DC	700-HK32Z24
					48V DC	700-HK32Z48
					110V DC	700-HK32Z1

* LED Option: Add suffix (-4) to the selected Bulletin 700-HK relay Cat. No. except for the 240V AC units, add (-4L).

† For AgCdO Contact with Gold Overlay: Replace “3” with “X” in Cat. No. For example, if Cat. No. 700-HK36A1 is required with Gold Overlay, the new catalog number is 700-HKX6A1.

	Description	Pkg. Qty.	Cat. No.	
 Cat. No. 700-HN121	Screw Terminal Socket — Panel or DIN Rail Mounting 5-blade miniature socket. For use with 1-pole, Bulletin 700-HK Relays. Socket includes a retainer clip. Order must be in multiples of ten	10	700-HN121	
 Cat. No. 700-HN122	Screw Terminal Socket — Panel or DIN Rail Mounting 8-blade miniature socket for use with 2-pole, Bulletin 700-HK relays. This socket includes a retainer clip. Order must be for 10 sockets or multiples of 10.	10	700-HN122	
 Cat. No. 700-HN108	8-Way Jumper can be cut to required length. Rated 10 A – 250V	1	Color	Cat. No.
			Red	700-HN180R
			Gray	700-HN180G
			Blue	700-HN180B
 Cat. No. 199-DR1	DIN (#3) Symmetrical Rail 35 mm x 7.5 mm x 1 m long Zinc-plated, yellow chromated	10	199-DR1	

Bulletin 700-HK Slim Line Relay, Socket, and Retainer Clip Reference Chart

Relay Type	Socket Cat. No.	Retainer Clip Cat. No.
700-HK32	700-HN122	Provided
700-HK36	700-HN121	

Bulletin 700-HK
Interposing/Isolation Relays
Specifications*

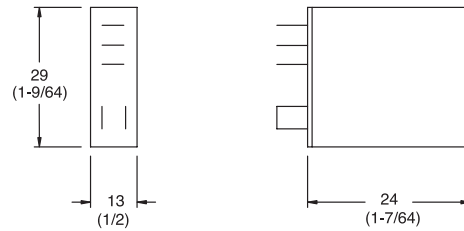
		Cat. No. 700-HK...					
Electrical Ratings							
Pilot Duty Rating†		B300					
Rated Thermal Current (<i>I</i> _{th})		1-Pole — 10 A			2-Pole — 5 A		
Rated Insulation Voltage (<i>U</i> _i)		250V IEC, 300V UL/CSA					
Contacts	Inductive	1-Pole		HP	2-Pole		HP
		► ◄	◄ ►		► ◄	◄ ►	
	120V AC, 1-phase	30 A	3 A	1/3	30 A	3 A	1/6
	240V AC, 1-phase	15 A	1.5 A	1/2	15 A	1.5 A	1/3
	General Purpose	10 A, 240V AC			5 A, 240V AC		
	Resistive	10 A, 30V DC			5 A, 30V DC		
Min. Permissible Contact Ratings		700-HK = 500 mW, 700-HKX = 50 mW					
Permissible Coil Voltage Variation		80...110% of Nominal Voltage at 50 Hz 85...110% of Nominal Voltage at 60 Hz 80...110% of Nominal Voltage at DC					
Sealed Power Consumption ±10%	AC Coils	Max. Allowable Leakage OFF 25% of VA‡ 1.1 VA 50 Hz 0.9 VA 60 Hz					
	DC Coils	Max. Allowable Leakage of 10% of W 0.53 W					
Design Specification/Test Requirements							
Dielectric Withstand Voltage	Pole to Pole (VRMS)	1500V AC					
	Contact to Coil (VRMS)	1500V AC					
Mechanical							
Degree of Protection		Open Type (Sockets)					
Mechanical Life Operations		5 x 10 ⁶					
Switching Frequency Operations		1800/hr.					
Coil Voltages		See Overview/Product Selection					
Operating Time at Nominal Voltage at 20 °C (ms)	Pickup	15					
	Dropout	15					
Maximum Operating Rate		3 Ops/s					
Vibration	Mechanical	10...55 Hz, 1.50 mm (0.6 in.) double amplitude					
	Malfunction	10...55 Hz, 1.50 mm (0.6 in.) double amplitude					
Shock	Mechanical	100 G					
	Malfunction	20 G (energized) 10 G (de-energized)					
Max. Socket Torque		0.8 Nm (7 lb. - in.)					
Environmental							
Temperature	Operating	-30...+55 °C (-22...+131 °F)					
	Storage	-55...+85 °C (-67...+185 °F)					
Altitude		2000 m (6560 ft)					
Construction							
Insulating Material		Molded High Dielectric Material					
Enclosure		Transparent Dust Cover					
Contact Material		Silver Cad. Ox., (AgCdO), Silver Cad. + Gold (AgCd + Au)					
Terminal Markings on Socket		In accordance with EN50 0005					
Sockets		1-Pole			2-Pole		
		700-HN121			700-HN122		
Approvals							
Certifications		CSA Certified, File LR75088, UL Recognized, File E3125 Guide NLDX 2, UL Listed, with Allen-Bradley Sockets, CE-Marked (per EU Low Voltage Directive 73/23 EEC 93/68 EEC)					
Standards		IEC 255-1-00, IEC 255-23, CSA 22.2, UL 508					

* Performance Data - See Important 2, publication A115.

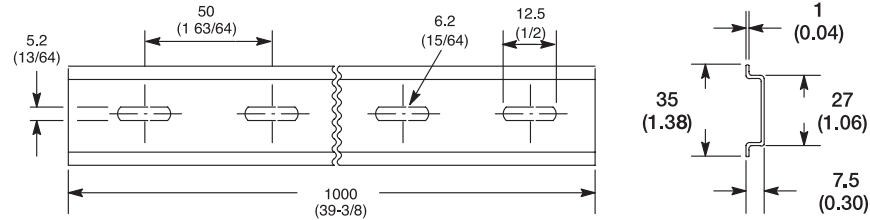
† NEMA Rating Chart is on page 19 of publication 700-SG003B-EN-P.

‡ The inrush VA equals 1.5 times the sealed VA.

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

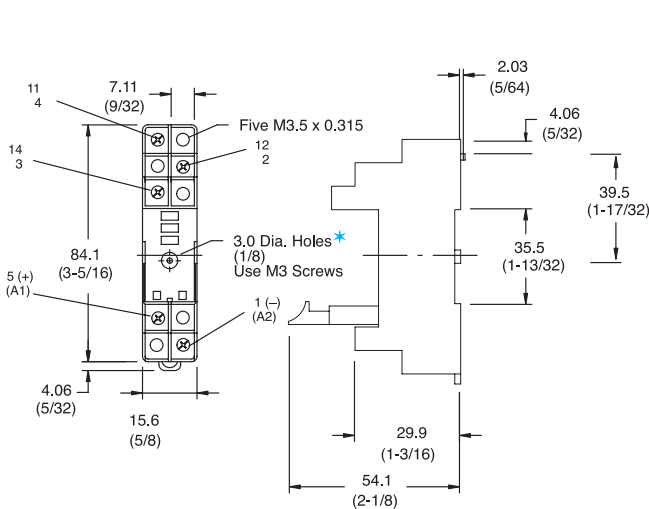


Bulletin 700-HK Relay
 SPDT and DPDT Relays



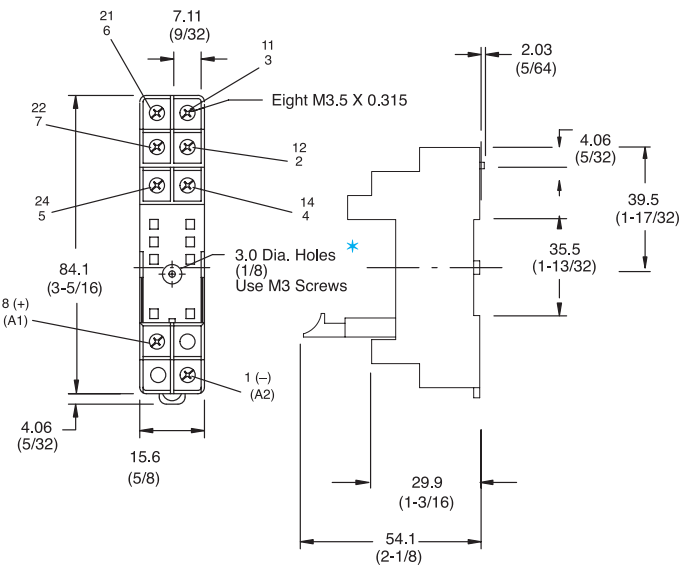
Cat. No. 199-DR1 DIN Mounting Rail Series B
 Cat. No. 199-DR4 DIN Mounting Rail Series B Has No Mounting Holes

Cat. No.	A	B	C	D	Approx. Shipping Wt.
199-DR1	35 (1-3/8)	27 (1-1/16)	7.5 (19/64)	1.02 (1/64)	1.85 kg (4.07 lbs.) (10/pkg)
199-DR4	35 (1-3/8)	27 (1-1/16)	15 (19/32)	2.3 (3/32)	3.68 kg (8 lbs.) (5/pkg)



Cat. No. 700-HN121
 Wire Size: 2 x 2.5 mm²
 Single Wire – Up to #14 AWG
 Double Wire – 2 x 2.5 mm² (#2–14 AWG... #2–20 AWG)
 (Either Solid or Stranded)
 Strip Length: 9 mm (3/8 in) – Torque: 0.8 N•m (7 lb•in)

* Holes required for mounting [3 mm (1/8 in) diameter].



Cat. No. 700-HN122
 Wire Size: 2 x 2.5 mm²
 Single Wire – Up to #14 AWG
 Double Wire – 2 x 2.5 mm² (#2–14 AWG... #2–20 AWG)
 (Either Solid or Stranded)
 Strip Length: 9 mm (3/8 in) – Torque: 0.8 N•m (7 lb•in)

* Holes required for mounting [3 mm (1/8 in) diameter].