
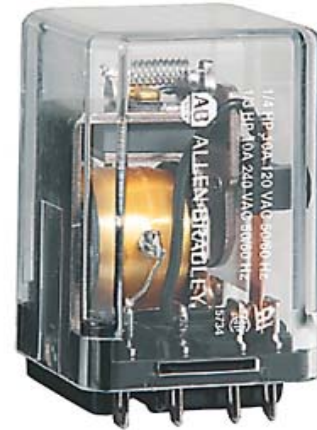


Product Details and Certifications

Cross Reference RA Part Number: 700-HJ36A1 A

 Product: **700-HJ36A1**

Description: 700-HJ General Purpose Magnetic Latching Relay,
10 Amps Contact, SPDT, 120V 50/60 Hz



Representative Photo Only (actual product may vary based on configuration sections)

CONTROL RELAY DATA

Bulletin Number	700-HJ General Purpose Relay
Contact Rating	10A Standard Contact
Contact Configuration	SPDT Contact Arrangement
Coil Voltage	120V 50/60Hz
Relay Options	No Additional Options

CERTIFICATIONS AND APPROVALS

UL
CSA
CE

For UL Certifications Directory:

<http://database.ul.com/cgi-bin/XYV/template/LISEXT/IFRAME/index.htm>


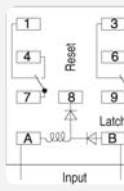
Bulletin No.	700-HG	700-HHF	700-HJ
Type	Power Relay	Power Relay	Magnetic Latching Relay
Features	<ul style="list-style-type: none"> Panel mount with screw terminals Optional magnetic blowouts for switching DC loads Optional snap action switch 	<ul style="list-style-type: none"> Flange mounted Optional LED 	<ul style="list-style-type: none"> Socket mounted Ideal for lighting applications
Contact Ratings			
Contact Form	SPST-N.O.-DM, SPDT, DPST-N.O., DPDT	SPST-NO-DM, DPDT, 3PDT	SPDT, DPDT (Single or Dual Coil)
Contact Type	Single	Single	Single
Contact Material	AgCdO	AgCdO	AgCdO
Max. operating current under resistive load	40 A	20 A (3PDT), 25 A (DPDT), 30 A (SPDT)	10 A
Min. permissible load	10V 50 mA	10V 50 mA 10V 100 mA (3PDT)	10V 50 mA
Coil Ratings			
Coil Voltage	AC: 24V, 120V, 240V, 277V, 480V DC: 12V, 24V, 48V, 110V, 220V, 250V	AC: 24V, 120V, 240V DC: 6V, 12V, 24V	AC: 24V, 120V, 240V DC: 12V, 24V
Permissible Coil Voltage Variation	85...110% of Nominal Voltage at 50 Hz 85...110% of Nominal Voltage at 60 Hz 80...110% of Nominal Voltage at DC	85...110% of Nominal Voltage at 50 Hz 85...110% of Nominal Voltage at 60 Hz 80...110% of Nominal Voltage at DC	85...110% of Nominal Voltage at 50 Hz 85...110% of Nominal Voltage at 60 Hz 80...110% of Nominal Voltage at DC
Electrical Ratings			
Dielectric Withstand Voltage	Pole-to-pole: 2200V AC Contact-to-coil: 2200V AC Contact-to-frame: 2200V AC	Pole-to-pole: 2200V AC Contact-to-coil: 2200V AC Contact-to-frame: 2200V AC	Pole-to-pole: 1500V AC Contact-to-coil: 1500V AC Contact-to-frame: 1500V AC
Electric Service Life (cycles)	100 000 minimum	100 000 minimum	100 000 minimum
Reference			
Certifications	CE, UL, CSA	CE, UR, CSA	CE, UR, CSA
Socket Cat. No(s).	—	—	700-HN153 700-HN154
Page Number	Web†	Web†	Web†

† Information for this product line is available on the Industrial Controls Catalog website: www.ab.com/catalogs.

Bulletin 700-HJ Magnetic Latching Relay

Product Selection

Bulletin 700-HJ Magnetic Latching Relay with Blade 0.187 x 0.020in Quick Connect/Solder Terminations

	Description	Contact Rating	Wiring Diagrams		Coil Voltage	Cat. No.
			AC*	DC†		
	SPDT 1-Pole 1 Form C AgCdO Contacts (Single Coil AC or DC)	10 A			24V AC	700-HJ36A24
					120V AC	700-HJ36A1
					24V DC	700-HJ36Z24
	Sockets		700-HN153	700-HN154		
	DPDT 2-Pole 2 Form C AgCdO Contacts (Single Coil AC or DC)	10 A			24V AC	700-HJ32A24
					120V AC	700-HJ32A1
					240V AC	700-HJ32A2
	Sockets		700-HN153	700-HN154	24V DC	700-HJ32Z24
	DPDT 2-Pole 2 Form C AgCdO Contacts (Dual Coil)§	10 A	DC Only		24V DC	700-HJD32Z24
TYPE HJ	Sockets			700-HN153 or 700-HN154		



* AC Relays include internal diodes.

† For DC operation, polarity must be observed.

§ Available only in DC Coil with DPDT contacts.

Specifications



		Cat. No. 700-HJ...		
Electrical Ratings				
Pilot Duty Rating		—		
Rated Thermal Current (I^2t)		10 A		
Rated Insulation Voltage (U _i)		250V IEC, 300V UL/CSA		
Contacts	Inductive	Make ▶][◀	Break ◀][▶	Hp
	120V AC	30 A	3 A	1/4
	240V AC			
	DC	24V DC, 10 A		
Permissible Coil Voltage Variation		85...110% of Nominal Voltage at 50 Hz 85...110% of Nominal Voltage at 60 Hz 80...110% of Nominal Voltage at DC		
		Single AC Coil	Single DC Coil	Dual DC Coil
Coil Consumption ±10%	AC Coils	Inrush Sealed 1.44 VA 1.44 VA	—	—
	DC Coils	—	1.2 W	12V 1.63 W 24V 1.67 W
Design Specification/Test Requirements				
Dielectric Withstand Voltage	Pole-to-Pole	1500V AC		
	Contact-to-Pole	1500V AC		
	Contact-to-Frame	1500V AC		
Mechanical				
Degree of Protection		Open Type (Guarded Terminal Sockets)		
Mechanical Life Operations		10 x 10 ⁶		
Switching Frequency Operations		1800/HR		
Coil Voltages		See Product Selection		
Operating Time at Nominal Voltage at 20 °C	Pickup	25 ms		
	Dropout	25 ms		
Maximum Operating Rate		—		
Environmental				
Temperature	Operating	-45...+50 °C (-49...+122 °F)		
	Storage	-45...+100 °C (-49...+212 °F)		
Altitude		2000 m (6560 ft.)		
Construction				
Insulating Material		Molded High Dielectric Material		
Enclosure		Transparent Dust Cover		
Contact Material		Silver Cad. Ox.		
Terminal Markings on Socket		In accordance with EN50 0005		
Sockets		11-Blade Socket Cat. No. 700-HN153 Cat. No. 700-HN154		
Certifications		CSA Certified, File LR700026, UL Recognized, File E3125, Guide NLDX 2		
Standards		UL 508, CSA 22.2 No. 14, EN/IEC 60947-4-1, -5-1		