

Miniature Square Base Ice-Cube Relay

Features

These small relays—used in industrial applications—are available from Rockwell Automation in two- and four-pole versions. Two styles of sockets are available, as well.

Clear cover

Allows visual inspection of terminals.

Plug-in terminals

Secure connections, yet easy to install or remove relays.

What's New

Color coding

Tabs and coil covers indicate coil voltage type: orange for AC and blue for DC.

Push-to-test with manual override

Manual override feature enables changing contact state, even when coils are not energized. This upgrade changes all catalog numbers that had the (-1) option to the new (-3) option.

Increased contact ratings

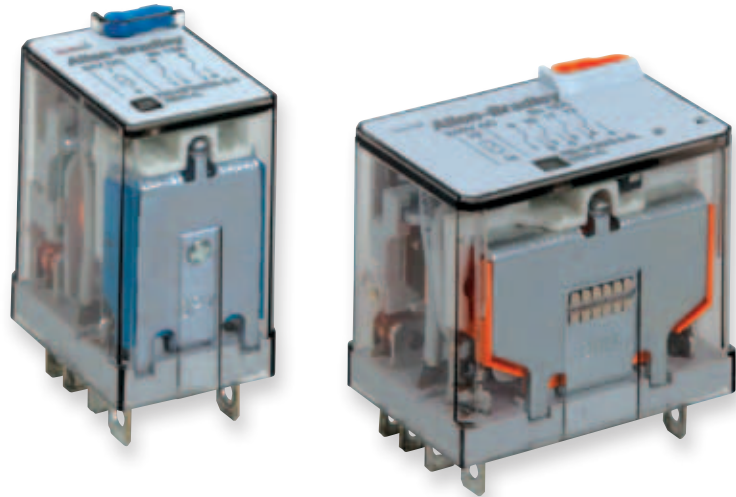
Relays are now rated for 12 amps.

Visual

- Wiring diagram on top faceplate
- Mechanical indicator

Sockets

Available in two styles for each contact configuration, one that is compatible with Allen-Bradley general purpose relay accessories such as surge suppressors and timing units and the second with traditional open style terminals.



Product Selection

Description	Wiring Diagrams		Coil Voltage	Cat. No. ‡ ∂
	U.S./Canada	International		
DPDT 2-pole 2 Form C AgCdO Contacts			6V AC	700-HF32A06
			12V AC	700-HF32A12
			24V AC	700-HF32A24
			120V AC	700-HF32A1
			240V AC	700-HF32A2
			6V DC	700-HF32Z06
			12V DC	700-HF32Z12
			24V DC	700-HF32Z24
48V DC	700-HF32Z48			
Socket	700-HN116 700-HN262	700-HN116 700-HN262	110V DC	700-HF32Z1
4PDT 4-pole 4 Form C AgCdO Contact			6V AC	700-HF34A06
			12V AC	700-HF34A12
			24V AC	700-HF34A24
			120V AC	700-HF34A1
			240V AC	700-HF34A2
			6V DC	700-HF34Z06
			12V DC	700-HF34Z12
			24V DC	700-HF34Z24
48V DC	700-HF34Z48			
Socket	700-HN139 700-HN264	700-HN139 700-HN264	110V DC	700-HF34Z1

Note: Three pole-option is no longer available.

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

‡ Push-to-Test Manual Override and LED Option: Add suffix (-3-4) to the selected bulletin 700-HF Cat. No. except for the 240V AC units, add (-3-4L).

∂ Push-to-Test and Manual Override Option: Add suffix (-3) to the selected bulletin 700-HF relay.

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Product Specifications

Electrical Ratings		700-HF 2 Pole	700-HF 4 Pole
Contacts	Inductive V AC	230V AC	AC 15 @ 700 VA / AC-1 @ 3000 VA / 1 Hp @ 240V AC
		120V AC	1/2 Hp @ 120V AC
	VDC	DC-1	12 A @ 30V DC / 0.5 A @ 110V DC / 0.25 A @ 220V DC
	Resistive	AC	12 A @ 250 V AC (per pole)
DC		12 A @ 30 V DC (per pole)	
Operating Range	AC	80...110% Nominal Voltage	
	DC	80...110% Nominal Voltage	85...110% Nominal Voltage
Rated Power	AC (50 Hz)	1.5 VA	2 VA
	DC	1 W	1.3 W
Holding Voltage	AC	80% Nominal Voltage	
	DC	60% Nominal Voltage	
Must Drop Out Voltage	AC	20% Nominal Voltage	
	DC	10% Nominal Voltage	
Insulation Voltage		250V AC	
Design Specification/Test Requirements			
Dielectric Withstand Voltage	Pole-to-Pole	2500V AC	
	Contact to Pole	2500V AC	
Mechanical			
Degree of Protection		Open Type (Sockets)	
Mechanical Life Operations		20 x 10 ⁶	
Switching Frequency Operations		3600/hr	
Operating Time at Nominal Voltage at 20 °C	Pickup	8 ms	10 ms
	Dropout	3 ms	4 ms
Maximum Operating Rate		4 Ops/s	
Vibration & Shock		15 G	
Environmental			
Temperature	Operating	-40...+70 °C (-40...+268 °F)	
	Storage	-50...+80 °C (-89...+176 °F)	
Construction			
Insulating Material		Molded High-Dielectric Material	
Enclosure		Transparent Dust Cover	
Contact Material		Silver Cad. Oxide	
Terminal Markings on Socket		In accordance with EN 500005	
Sockets		8-Blade Socket (DPDT) Cat. No. 700-HN116 & 700-HN262 14-Blade Socket (4PDT) Cat. No. 700-HN139 & 700-HN264	
Certifications		CSA Certified (File No. 229473), UL Recognized (File No. E3125, Guide NLDX2/NLDX8), CE Marked, UL Listed when used with sockets shown above, (File No. E3125, Guide NLDX/NLDX 7), LR Certified, RINA Certified, IMQ Certified	
Standards		UL 508, CSA 22.2 No. 14, EN-61810-1, EN 60998-1, EN 60998-2-1	

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