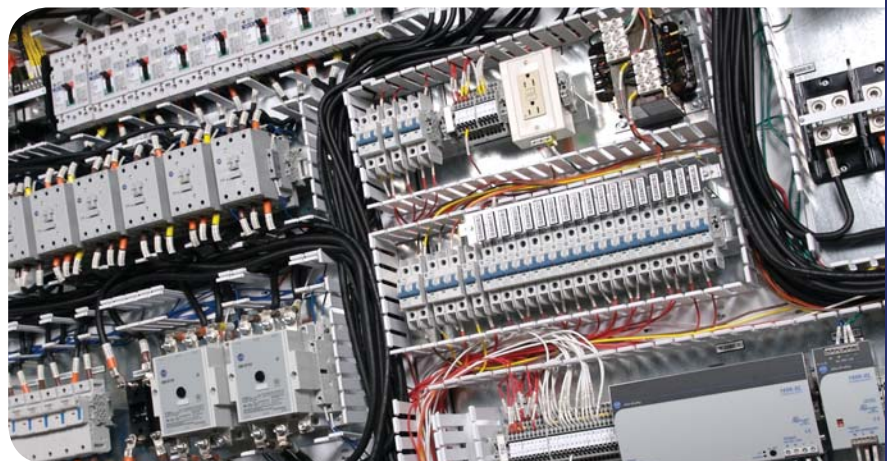


General Purpose, Interposing, Solid-State and Specialty Relays

Bulletin 700



LISTEN.
THINK.
SOLVE.®

Breadth of Product. Ease of Selection.

World-class Allen-Bradley relays and timing relays by Rockwell Automation are designed, manufactured, and tested to meet your standard and most critical demands. We want you to focus your core activities, not parts. We offer a broad product selection that provides flexibility and industry-proven reliability.



Ideal Applications

- Reduced PLC outputs to meet energy consumption goals
- Provides longer life for PLC, saving money and increasing efficiency
- Switching currents or voltage too high for PLC outputs to handle
- Interfacing two or more system voltages – for example, 24V to 120V
- Controlling multiple loads from safety and interlock commands
- Logic for manual control
- Reduced PLC outputs by using relays to turn many devices on and off simultaneously
- Provides isolation from solid-state output leakage current

LONG LIFE + **LOWER POWER CONSUMPTION** + **PLC COMPATIBILITY** = **SAVINGS FOR YOU**

General Purpose Relays

Features

700-HA

- Pin-style terminals
- Bifurcated contacts with gold plating for low-energy applications

700-HB

- Blade-style quick connect terminals
- Color-coded voltage type for quick installation

700-HD

- Blade-style quick connect terminals
- Mounts directly to a panel – no DIN Rail required

700-HF

- Plug-in quick connect terminals
- Clear cover to allow visual inspection of contacts



700-HA



700-HB

Solid-State Relays

Features

700-SH

- High continuous load currents are achievable with heat sinks
- LED indicator for Input/Logic ON/OFF status monitoring



700-SH

700-SK

- High-response speed model
- Input and output modules allow flexibility



700-SK

Relays



Interposing Relays

Features

700-HL

- Screw terminals or cage clamp terminals are available
- Leakage current suppression versions are available to address concerns of nuisance coil turn-on or non-dropout current when converting to PLCs with overage current



700-HL

700-HK

- Plug-in blade-style terminals
- Jumper system reduces wearing costs



700-HK

700-HC

- Blade-style terminals
- Same sockets can be used for DPDT or 4PDT versions which improves flexibility and reduces inventory

700-HP

- Plug-in pin style (PCB) terminals
- Economical PCB style design

Specialty Relays

Features

700-HG

- Auxiliary snap action switch versions
- Popular 3V HVAC applications



700-HG

700-HHF

- Blade-style quick connect terminals
- Pilot light available for visual identification of power to the coil

Latching 700-HJ

- Magnetic latching relay for energy savings
- Dual coil version available



700-HJ

Alternating 700-HTA

- Alternating feature allows users to select the primary or secondary load or alternate between the two

General Purpose Timing Relays

Features

700-HR

- Pin-style terminals
- Multiple voltage inputs to address a wide range of applications



700-HR

700-HNC

- Blade-style terminals
- Four different timing functions available

700-HT

- Pin-style terminals
- Higher contact rating for larger loads



700-HT

700-HX

- Pin-style terminals
- LCD display to make setting easier
- Environmentally friendly with flash memory, no battery



700-HX

700-HLF

- Compact size, only 6.2 mm wide when space is critical
- Gold contacts available for low voltage applications

700-FE

- Versions available with 1 N.O. contact
- Small (17.5 mm), effective economy timer



700-FE

700-FS

- Space-saving 22.5 mm design
- State-of-the-art automatic voltage switching capability available



700-HA



700-HB



700-HD



700-HF

General Purpose Relays

Allen-Bradley relays and timers offer compatible and versatile solutions for control applications – from programmable controllers and motor starters to push buttons and terminal blocks. General purpose relays feature an excellent flexible design and industry-proven reliability. Each relay is tested during manufacturing – before it is used in your demanding application – and carries international approvals that assure you the relay will stand the test of time anywhere in the world.

	700-HA	700-HB	700-HD	700-HF
Mounting Style	Plug-in	Plug-in	Flange-mounted	Plug-in
Load Capacity [A]	10	15	15	10
2DPDT	✓	✓	✓	✓
3DPT	✓	✓	✓	✓
4DPT				✓
Options				
LED	✓	✓		✓
Manual Override	✓	✓		✓
Visible Indicator	✓	✓	✓	
Comparable w/ Plug Accessories Modules	✓	✓		



Specialty Relays

Allen-Bradley Power Specialty Relays by Rockwell Automation are among the top for those harder-to-work applications. From load switching to lighting to refrigeration, we have your Power Specialty Relay.



700-HG



700-HHF



700-HJ



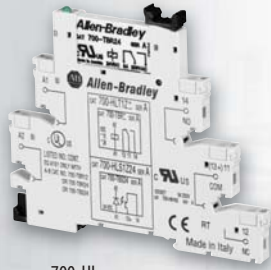
700-HTA

	700-HG	700-HHF	700-HJ	700-HTA
Ideal Applications	Switching high current loads Magnetic blowouts are available for applications with high DC loads	Switching High Current Loads	Lighting applications	Pumps, compressor or air conditioning/ refrigeration applications
Mounting Style	Panel	Panel	Plug-in	Plug-in
Load [A]	40	20-30	10	10
1 N.O. Contact	✓	✓		
SPDT	✓		✓	✓
2PDT	✓	✓	✓	✓
3PDT		✓		
Optional LED		✓		



Interposing Relays

This line of interposing relays is designed to fit a wide range of industrial applications. We have solutions for almost all application needs such as tight cabinet space, low capacity-switching capability and hazardous locations, just to name a few.



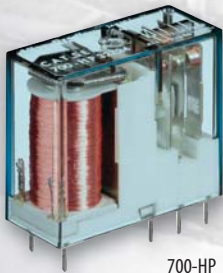
700-HL



700-HK



700-HC



700-HP

	700-HL	700-HK	700-HC	700-HP
Ideal Applications	Space-saving PLC interfaces (Low-energy, solid-state and hazardous location versions available)	General Industrial (Versions with low-energy or max duty contacts available)	General industrial	General industrial
Mounting Style	DIN Rail	Plug-in	Plug-in	Plug-in
Load Capacity	6 A SPDT/10 A DPDT/2 A SSR DC/1 A SSR AC	16 A SPDT/8 A DPDT	10 A DPDT/7 A 4PDT	8 A DPDT
SPDT	✓	✓		
DPDT	✓	✓	✓	✓
4PDT			✓	
SSR AC	✓			
SSR DC	✓			
Options				
LED	Standard	✓	✓	
Manual Override		✓	✓	
Visual Indicator		✓	✓	
Comparable w/Plug Accessories Modules		✓	✓	✓



General Purpose Timing Relays

Our complete line of general purpose timing relays covers almost all applications while still helping to reduce maintenance cost and increasing flexibility.



700-HR



700-HNC



700-HT



700-HX



700-HLF



700-HE



700-FS

	700-HR	700-HNC	700-HT	700-HX	700-HLF	700-FE	700-FS
Mounting Style	Plug-in	Plug-in	Plug-in	Plug-in/Panel	DIN Rail	DIN Rail	DIN Rail
Load Capacity [A]	5	5	10	5	6	5	8
SPDT		✓	✓	✓	✓		✓
DPDT	✓		✓				✓
4PDT		✓		✓			
Adjustable Timing	✓	✓	✓	✓	✓	✓	✓
Selectable Function/ Timing Mode			✓				
Single Function Timing Mode	✓	✓		✓	✓	✓	✓



Solid-State Relays

If you are looking for a green, flexible yet rugged relay, our solid-state relays are the solution. Built for long life and high-frequency switching, these relays use less energy, but are highly compatible to reduce downtime and spare parts.



700-SH



700-SK

	700-SH	700-SK
Ideal Applications	High frequency switching and high shock vibration applications	Output module for typical SSR applications
Mounting Style	Panel	Plug-in
Load [A]	10-100	1.5-2
1 N.O. Contact	✓	✓
Optional LED	✓ (standard)	✓

Rockwell Automation offers a breadth of quality Allen-Bradley® components to fit your specific needs. In order to assist you with your component selection, we offer a variety of configuration and selection tools.



Local Distributor

Call 1.800.223.3354 to contact your local Distributor today.

<http://www.rockwellautomation.com/distributor/>



On-Line Product Directory

Our extensive product portfolio is designed to improve your processes through every stage of your manufacturing cycle.

<http://www.rockwellautomation.com/products/>



Product Selection Toolbox

Our powerful range of product selection and system configuration tools assist you in choosing and applying our products.

<http://www.rockwellautomation.com/en/e-tools/>



Catalogs

Within our catalogs you'll find an extensive selection of essential Allen-Bradley component products.

<http://www.ab.com/catalogs/>

www.rockwellautomation.com

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