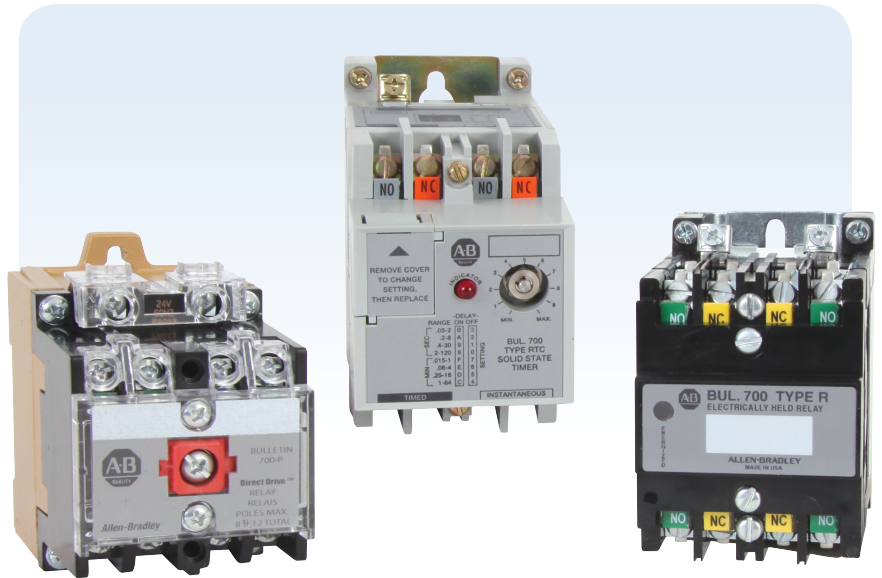


NEMA Industrial Relays

Features and Benefits

- Bulletin 700-P Heavy-Duty Relays have four types of contact cartridges to help meet your specific switching requirements. Time delay, latching attachments, overlapping and logic reed contacts can be combined into one relay to yield a custom-tailored application solution to help increase flexibility.
- Bulletin 700-R Sealed Switch Relays work in harsh, dirty environments and hazardous locations. They feature an extremely long life because there is no moving armature used to change contact state, helping to extend the life of your product.
- Bulletin 700-RTC Solid-State Timing Relays offer the reliability of a fixed solid-state design with comparable contact isolation to an electromechanical relay. This reliability helps to reduce maintenance cost and increase efficiency.
- Ideal applications of NEMA Industrial Relays include switching currents, high voltage, interfacing two or more system voltages, providing isolation from solid-state output leakage current and controlling devices simultaneously.



Allen-Bradley Bulletin 700 Relays

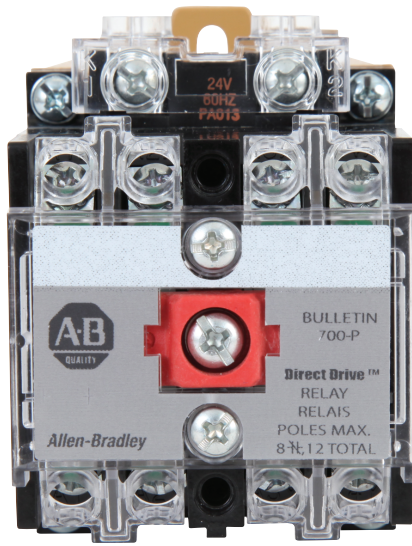
Overview

The Allen-Bradley® Bulletin 700 Relays have a reputation for quality, safety and reliability while still offering a broad range of contact cartridges and DIN rail mounting capabilities. Rugged construction and long life help make Allen-Bradley the choice brand for relays.

Allen-Bradley Relays by Rockwell Automation include a wide range of NEMA Industrial Relays designed for heavier-duty applications, large loads and long life to meet your industrial control application needs.

- 700-P Heavy-Duty Relays
- 700-R Sealed Switch Relays
- 700-RTC Solid-State Fixed Timing Relays

LISTEN.
THINK.
SOLVE.®



Bulletin 700-P Heavy-Duty Relays

The Bulletin 700-P Heavy-Duty Relays offer switching solutions ranging from 200 mA in low-energy circuits to 35 A in heavy-duty circuits for greater flexibility. All of the contacts can easily be changed from the standard N.O. to N.C. configuration. A variety of accessories are available to suit a wide range of applications, including time delayed contacts, mechanical latches and NEMA enclosures. Contact cartridges of different ratings can be combined into the same relay for a custom-tailored application solution. All devices are available in the most popular AC and DC control voltages.

Features:

- Multiple cartridge types can be used in the same relay
- Accommodates from 1...12 poles without increasing the mounting footprint, convertible to N.O. or N.C. (8 N.C. maximum)
- Direct Drive – Positively guided to insure all contacts open or close at the same time
- Mounting: DIN rail, A-B rail and panel
- Change control voltage with coil exchange
- NEMA and IEC Ratings
- 600V maximum AC/DC
- Finger-safe protection standard

Modular Configuration

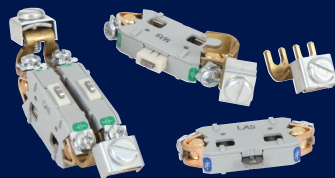
for *Faster* Availability

Modular design allows for:

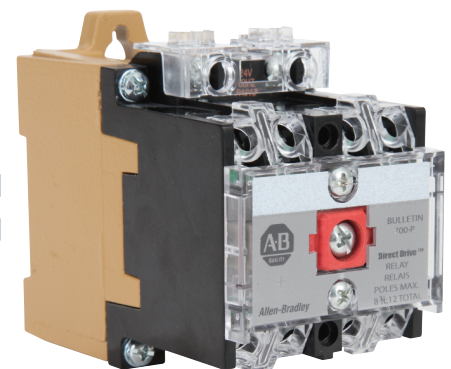
- easier stocking, inventory flexibility and faster delivery
- increased configuration and field modification



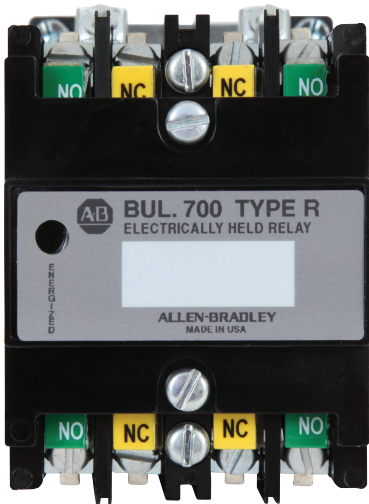
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Bulletin 700 NEMA Industrial Relays

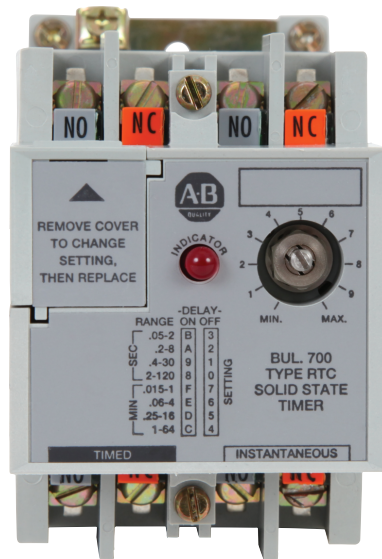
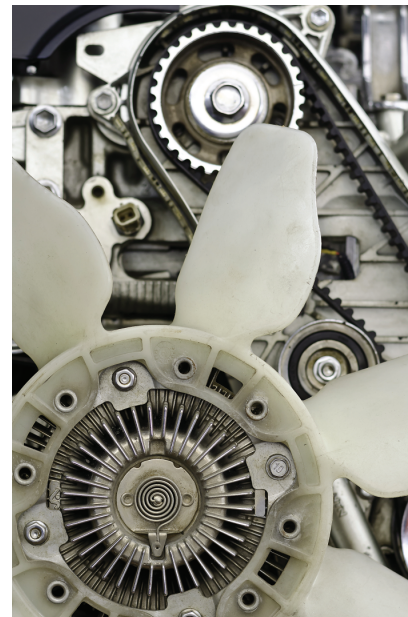


Bulletin 700-R Sealed Switch Relays

Bulletin 700-R Sealed Switch Relays work in harsh, dirty environments and hazardous locations. The tungsten-tipped, hermetically sealed contacts provide high-reliability switching of low voltage circuits. The 700-R has a long life because no moving armature is used to change contact state.

Features:

- 5A continuous rating at 300V AC
- 2.5A continuous rating at 600V AC
- Class 1 Division 2 hazardous location rating
- Accommodates up to 8 poles
- Replaceable contact cartridges



Bulletin 700-RTC Solid-State Fixed-Timing Relays

Bulletin 700-RTC Solid-State Timing Relays are designed for industrial environments. These fixed timing relays are intended for applications requiring a specific time delay in which inadvertent timing changes must be avoided. They offer the reliability of a fixed solid-state design with comparable contact isolation to an electromechanical relay. The contacts are hermetically sealed in glass for reliability.

Features:

- 5A continuous rating at 300V AC
- Available with 2 instantaneous and 2 timed contacts in N.O. or N.C.
- Selection of 8 timing ranges in ON-delay or OFF-delay
- Timing ranges from 0.5 seconds to 64 minutes
- LED status indication
- Self-contained adjustment potentiometer



Product Specifications



Bulletin Number	700-P	700-R	700-RTC
Type	Heavy-Duty Control Relay	Sealed Switch	Solid-State Timing Relay
Features	<ul style="list-style-type: none"> • Five contact styles • Mechanically linked contacts • Timer and latch options • Switch up to 600V AC and DC • 700S-P for safety circuits 	<ul style="list-style-type: none"> • Hazardous locations Class 1 Div 2, Groups A, B, C, D • Long life in harsh environments • Timer and latch options • Switch 600V AC, 300V DC 	<ul style="list-style-type: none"> • Timed and instantaneous contacts • Sealed contacts for harsh environments • Hazardous locations Class 1 Div 2, Groups A, B, C, D
Contact Form	Up to 12 poles double break	2 - 8 poles	4 output contacts
Contact Type	Bifurcated double break	Sealed switch	Sealed switch
Contact Material	Silver-Nickel	Tungsten	Tungsten
Maximum Current AC Resistive	10 A	5 A	5 A
Minimum Load	10V, 50 mA 5V, 1 mA (sealed switch)	5V, 1 mA	5V, 1 mA
Coil Voltage	24...600V AC, 24...250V DC	24...240V AC, 24...250V DC	24...120V AC, 24...120V DC
Coil Voltage Pickup	85...110% AC coils 80...100% DC coils	85...110% AC coils 80...100% DC coils	85...110% AC coils 80...100% DC coils
Dielectric Withstand	2640V	2640V	2640V
Electric Service Life (cycles)	1.5 million at 10 A 120V AC	1.5 million at 5 A 120V AC	1.5 million at 5 A 120V AC
Certifications	UL, CSA, CE	UL, CSA, CE	UL, CSA, CE
Sockets	Panel or rail mount	Panel or rail mount	Panel or rail mount

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