

# Bulletin 700-P, 700DC-P Industrial Relays

## Bulletin 700-P — Direct Drive™ Convertible Contact Cartridge Relays



700-P

- NEMA and IEC ratings
- 600V maximum AC/DC
- Accessories for field installation: contact cartridges, adder decks, time delay, latching, surge suppressors, mounting strip
- Contact Ratings: (10 A) 700-CP1, (20 A) 700-CPM, (35 A) 700-CPH, (Low Power) 700-CPR
- For machine tool and other heavy-duty applications
- Can accommodate ring tongue terminals
- Integral DIN Rail mount on AC relays
- Finger-safe protection standard
- Factory supplied standard at 120V AC and 24V DC - user configurable for field assembly
- Blank relays are available in all coil voltages for field custom configuration

### Description

The Bulletin 700/700DC-P family of Direct Drive Industrial Relays offers switching solutions ranging from 200 mA in Low Energy Circuits to 35 A in Heavy Duty Circuits. All of the contacts can easily be changed from the standard N.O. to N.C. configuration. The relays can be accessorized to meet the application needs with the use of time delayed contacts, mechanical latches and NEMA enclosures. All devices are available in the most popular AC and DC control voltages. Combining different cartridges into one relay can yield a custom-tailored application solution. Relays are available without contact cartridges in all of the available AC and DC coil voltages for maximum flexibility.

Bulletin 700/700DC-P relays use standard (10 A) contact cartridges with a double-break and bifurcated design. Bifurcation provides excellent contact reliability and low-contact bounce, while the double-break contact design reduces the possibility of contacts welding and enhances the relay's ability to break DC circuits. These relays can be configured with a maximum of 12 contacts (only 8 may be N.C.).

### A Modular Approach to Control Circuit Solutions

The 700-P AC control relay is factory assembled with a standard 10 A contact cartridges with all contacts as N.O. in either 2, 4, 8, or 12 pole configurations with a 120 volt operating coil. Four pole relays are also available at 240 and 480 VAC and can have up to eight contacts added by using adder decks. The 700DC-P control relay is factory assembled with a standard 10 A contact cartridges with all contacts as N.O. in either 4 or 8 poles with a 24 volt operating coil. The 4 pole is also available with a 120 VDC operating coil.

For control relays that require different contact ratings or control voltages we offer a modular design that are easily field configurable. A base blank relay (either AC or DC control), a variety of contact kits, adder decks, and operating coils can be used to make an infinite number of custom control relay solutions.

**Master Control 700-PMCKIT** master control cartridges provide (20 A) switching capability with large single-contact pads on each side of the spanner for twice the current rating to control heavy loads and provide for master control of a system. The cartridge also has the same double-break design as the standard 700-P relay contact cartridge. Relays can be configured with up to a maximum of 12 contacts (only 8 may be N.C.). Time delay and latching attachments are compatible with master cartridges.

**Heavy Duty Control 700-PHDKIT** contact cartridges provide (35 A) switching capability through tandem contact cartridges. A jumper allows two (20 A) master contact cartridges to be connected in parallel. A maximum of six poles can be configured in a relay, only four of which can be normally closed. Time delay and latch attachments are available.

**Low Energy Control Logic Reed 700-PLRKIT** contact cartridges provide switching to 200 mA @ 30 VDC. These contacts are matched with standard control (10 A) contact cartridges for low energy switching applications.

**Overlapping Contact 700-POLKIT** contact cartridges provide (10 A) switching capabilities with the same rating as the standard contact. These cartridge used in pairs operate with the N.O. contact closing before the N.C. contact opens on pick-up and vice versa on the drop-out.