
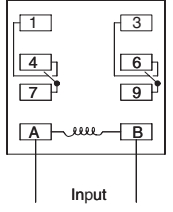
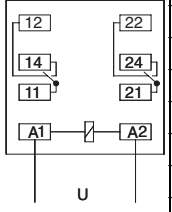
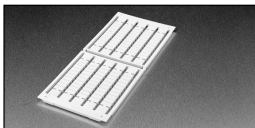
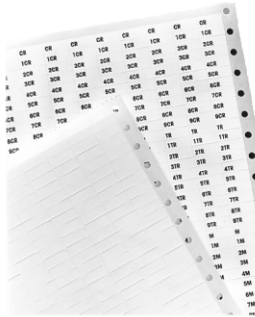


Flange-Mounted Relay with Blade Style 0.187 x 0.020" Quick Connect/Solder Terminations

| | Description | Contact Rating | Wiring Diagrams | | Coil Voltage | Cat. No. | Factory-stocked Item ● |
|---|--|----------------|---|--|--------------|-------------|---------------------------|
| | | | U.S./Canada | International | | | |
|  | DPDT 2-Pole 2 Form C AgCdO Contacts | 15 A |  |  | 6V AC | 700-HD32A06 | |
| | | | | | 12V AC | 700-HD32A12 | |
| | | | | | 24V AC | 700-HD32A24 | ✓ |
| | | | | | 120V AC | 700-HD32A1 | ✓ |
| | | | | | 240V AC | 700-HD32A2 | |
| | | | | | 6V DC | 700-HD32Z06 | |
| | | | | | 12V DC | 700-HD32Z12 | |
| | | | | | 24V DC | 700-HD32Z24 | ✓ |
| | | | | | 48V DC | 700-HD32Z48 | |
| | | | | | 110V DC | 700-HD32Z1 | |
| | | | | | 6V AC | 700-HD33A06 | |
| | | | | | 12V AC | 700-HD33A12 | |
| | | | | | 24V AC | 700-HD33A24 | |
| | | | | | 120V AC | 700-HD33A1 | |
| 208V AC | 700-HD33A20 | ✓ | | | | | |
| 240V AC | 700-HD33A2 | ✓ | | | | | |
| 6V DC | 700-HD33Z06 | | | | | | |
| 12V DC | 700-HD33Z12 | | | | | | |
| 24V DC | 700-HD33Z24 | | | | | | |
| 48V DC | 700-HD33Z48 | | | | | | |
| 110V DC | 700-HD33Z1 | | | | | | |

● Single Pack

Accessories

| | Description | Pkg. Qty. | Cat. No. | Factory-stocked Item |
|---|--|-----------|--|----------------------|
|  <p style="text-align: center;"><i>Snap-in markers</i></p> | Relay Identification Snap-in Markers ● Snap-in markers fit on top of Bulletin 700-HA relay covers. The following are blank cards. Squares slip into molded slot on top of Bulletin 700-HD relay cover. | 100 | 1492-SM5X12 1492-SM6X9 1492-SM6X12 1492-SM8X9 1492-SM8X12 1492-MP-Blank | ● |
|  | Pre-printed identification tags – contains 10 sheets of pre-printed and blank tags. Each sheet contains 13 sets of the markings CR...9CR, TR...9TR, M...9M, F, R, 1S, and 117 blank tags. Tags are peel-off with sticky backing for easy placement on relays. | 10 | 700-N40 | |
| | Blank identification tags – contains 10 sheets of blank identification tags for customer specialized printing. Each sheet contains 546 blank tags. Tags are peel-off with sticky backing for easy placement on relays. | 10 | 700-N41 | |

● Refer to terminal block marking systems within the Industrial Control Catalog

● For pre-printed marker cards, turn to the following 1492 sections of publication A113: 1492-SM5X12_, 1492-SM6X9_, 1492-SM6X12_, 1492-SM8X9_, 1492-SM8X12_, 1492-MP_

Bulletin 700-HD
General Purpose Relays
Specifications ①

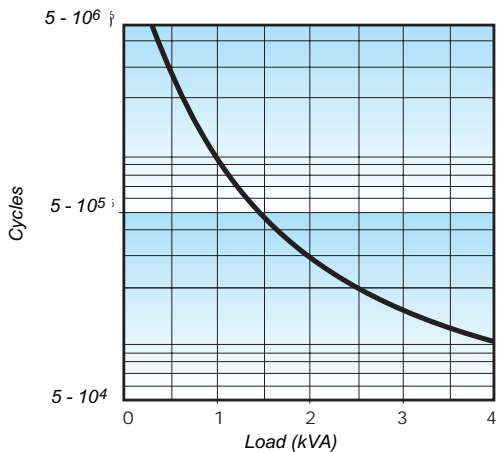
| | | Cat. No. 700-HD... | | |
|---|------------------------------|--|-----------------------------------|-----------|
| Electrical Ratings | | | | |
| Pilot Duty Rating ② | | NEMA B300 | | |
| Rated Thermal Current (I_{th}) | | 15 A ③ – 120V 15 A ③ – 240V | | |
| Rated Insulation Voltage (U_i) | | 250V IEC-300V UL/CSA | | |
| Contacts | Inductive | Make | Break | Hp |
| | 120V AC | ▶ ◀ | ◀ ▶ | 3/4 |
| | 240V AC | 60 A | 6 A | 2 |
| | DC | 30 A | 3 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 | | |
| Coil Consumption ±10% | AC Coils Inrush Sealed | 50 Hz 3.3 VA 2.2 VA | 60 Hz 2.25 VA 1.9 VA | |
| | DC Coils | 1.3 W | | |
| | | | | |
| Design Specification/Test Requirements | | | | |
| Electrical | | | | |
| Dielectric Withstand Voltage | | | | |
| Pole-to-Pole | | 2500V | | |
| Contact to Coil | | 4000V | | |
| Contact to Frame | | 2500V | | |
| Mechanical | | | | |
| Degree of Protection (Open Type) IEC 529 | | IP 40 | | |
| Mechanical Life Operations (AC/DC) | | > 10 x 10 ⁶ / 30 x 10 ⁶ | | |
| Switching Frequency Operations | | 3600/HR | | |
| Coil Voltages | | See Product Selection | | |
| Operating Time | Pickup | 15 ms | | |
| | Dropout | 15 ms | | |
| Maximum Operating Rate | | 4 Ops/s | | |
| Minimum Low Energy Permissible Load | | 50 mW | | |
| Environmental | | | | |
| Temperature | Operating | -40...+70°C | | |
| | Storage | -40...+100°C | | |
| 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 | | |
| Certifications | | CE, cURus, IMQ, RINA, ABS | | |

① Performance Data – See page Important-2., publication A113

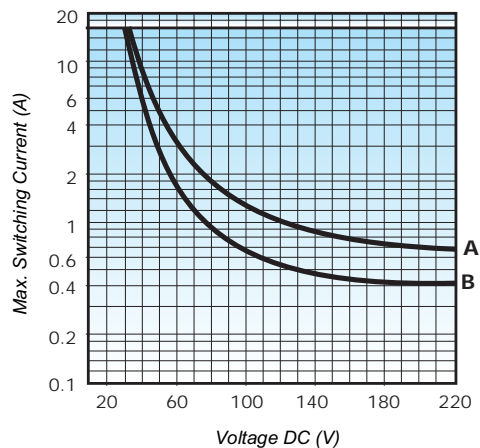
② NEMA Rating Chart is on page 29.

③ 3-pole relays have a 20 A maximum total current rating for all three poles.

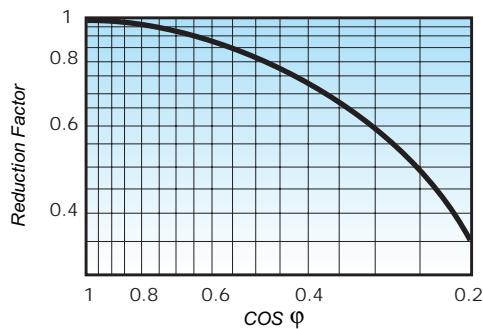
④ Bulletin 700-HD wiring terminals are the quick connect/solder type 4.7 mm x 0.5 mm (0.187 x 0.020") termination.



Contact life vs AC1 load at 600 cycles/h.



Breaking capacity for DC1 load at 600 cycles/h.
 Load applied to 1 contact.
 A = for N.O. types
 B = other types

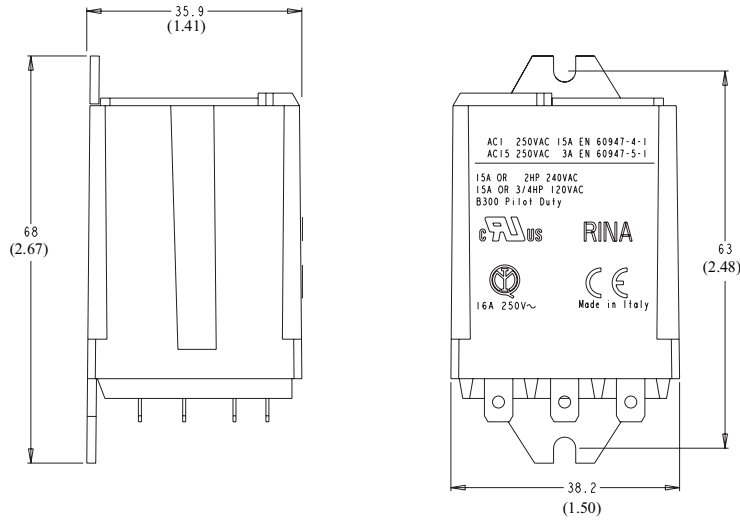


Load Reduction factor vs $\cos \phi$

General Purpose Relays

Approximate Dimensions

Dimensions are shown in millimeters (inches). Dimensions are not intended to be used for manufacturing purposes.



Bulletin 700-HD Relay