Current Rating and Time Delay is Supplied to User Specification

The current rating of a HEINEMANN breaker is determined by the number of ampere-turns in the load-sensing coil. By altering the number of turns and wire size, HEINEMANN can provide a breaker of virtually any rating within the unit's overall range. It is even possible to specify current ratings in fractional values.

Time-delay characteristics can be precisely matched to the requirements of the application. A choice of many time-delay curves, including non-time-delay and high-inrush protection, is available on most single- and multi-pole breakers.

A Look Inside

1. **Broad Selection of Terminal Styles**
   Pressure connector, threaded stud, hook, bus, plug-in and quick-connect terminals (with holes for optional soldering) are available.
2. **Self-Cleaning Contacts**
   Sliding pivot point causes a wiping action across the contacts each time a breaker is switched. This cleaning motion helps keep surface resistance low, extending contact life. (Contacts are made of silver alloy for minimal wattage loss.)
3. **Efficient Blowout Grid**
   U-shaped grid plates quickly draw out, fragment and extinguish contact arc. Charring and pitting are minimized.
4. **Sturdy Toggle and Latch**
   Strong, durable and highly efficient. Latch is shock-resistant, yet provides very fast operation. Trip-free construction makes it impossible to hold the breaker closed against a fault. (Even when handle is held in ON position, contacts trip free of fault condition.)
5. **Balanced Armature**
   Counterbalanced armature design helps prevent mechanical tripping caused by shock and vibration. Meets MIL-STD-202 requirements.
6. **Two-Position Switching**
   Two handle positions, ON and OFF (no ambiguous "reset" position). After fault clearance, simply snap the handle back to ON.
7. **Load-Sensing Coil**
   Magnetic unit measures current, not temperature, making it unnecessary to derate for high-ambient service. Coil will carry 100% rated load as specified in the appropriate response curve. (See in-depth discussion, page 6.)
8. **Fungus-Resistant Case**
   Circuit breakers are housed in special plastic casings that significantly reduce fungal growth and contamination.