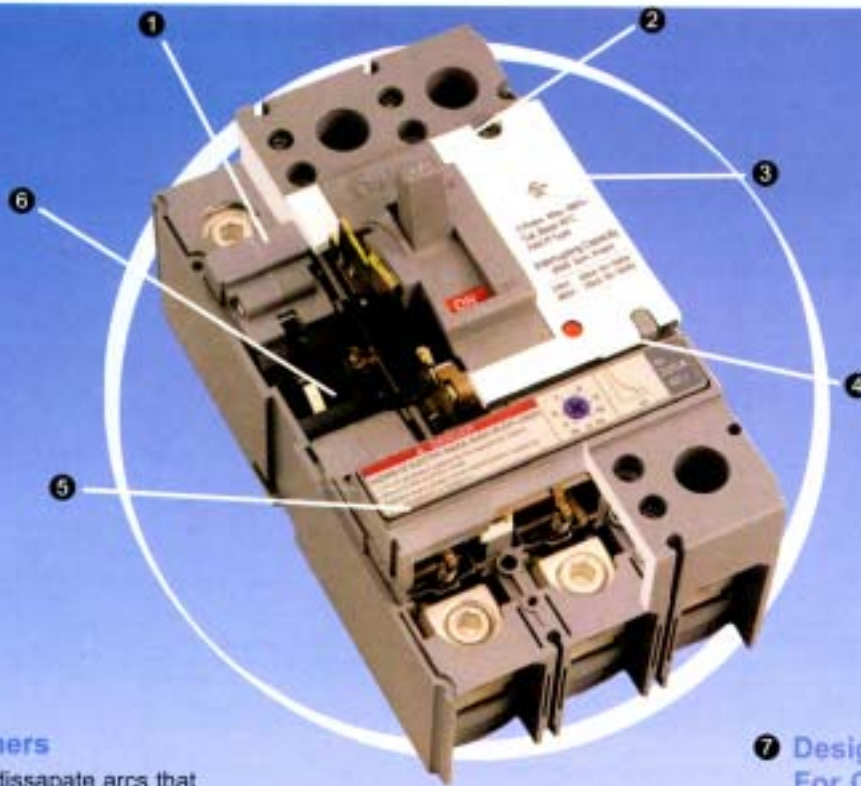


Structure Series CB



1 Arc Extinguishers

Arc extinguishers dissipate arcs that result when the circuit breaker interrupts current flow. Two arc chutes sets extinguish arcs in each phase for

2 Handle

The handle position clearly indicates the contact status: closed, open or tripped. The handle indicates "ON" for safety when the contacts are closed.

3 Auxiliary Cover

Auxiliary cover provides convenience when accessories are field installed and replaced.

4 Trip Button

Trip button provides a manual means of exercising the mechanism by manually tripping the circuit breaker.

5 Trip Units - Thermomagnetic

The function of the trip unit is to trip the operating mechanism in the event of a prolonged overload or short-circuit current. To accomplish this, thermal magnetic trip units are provided. Protection is provided by combining a temperature sensitive device with a current sensitive electro magnetic device. This magnetic trip is adjustable from 5X to 10X on Frame Size 2, only.

6 Operating Mechanism Trip Free Design

Operating mechanism is to provide a means of opening and closing the circuit breaker. This mechanism is the quick-make, quick-break type and it is constructed so that all poles will make and break simultaneously when operated manually or automatically. This mechanism is also trip-free.

7 Design - State of the Art For Current Limiting Breakers

The moment of inertia of a rotating bridge is significantly lower than that of a breaker with a linear bridge. Therefore, the reaction to short circuit currents is much faster, which leads to better current limiting as well as shorter arc duration and substantially lower i^2t values.

The single axis of rotation provides both the fast short circuit reaction time as well as the normal switching function time.

Branch circuit discrimination. Since the operation is fast, Series CB are excellent branch circuit protective devices, which can be used either as manual controllers with full (adjustable) motor protection or in conjunction with a contactor. Series CB provides good discrimination from upstream circuit breakers or fuses as test oscillographs demonstrate.