

## **MCB miniature circuit breaker thermal magnetic protection mechanism**

## Category: Global Electric

written by www.mbsmpro.com | January 12, 2026



An MCB (Miniature Circuit Breaker) is an automatic electrical switch that protects circuits from overloads and short circuits. Using dual thermal-magnetic mechanisms, MCBs detect abnormal currents and instantly disconnect power to prevent equipment damage and fire hazards. Compact, reliable, and essential for modern electrical safety.