

## 250 VDC MAGNET SAFETY DISCONNECT SWITCH

### STANDARD FEATURES:

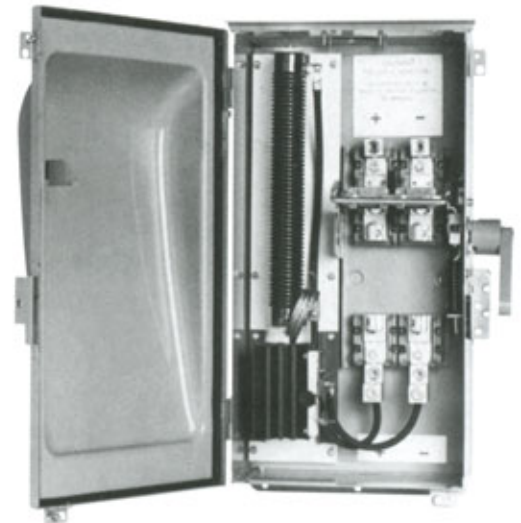
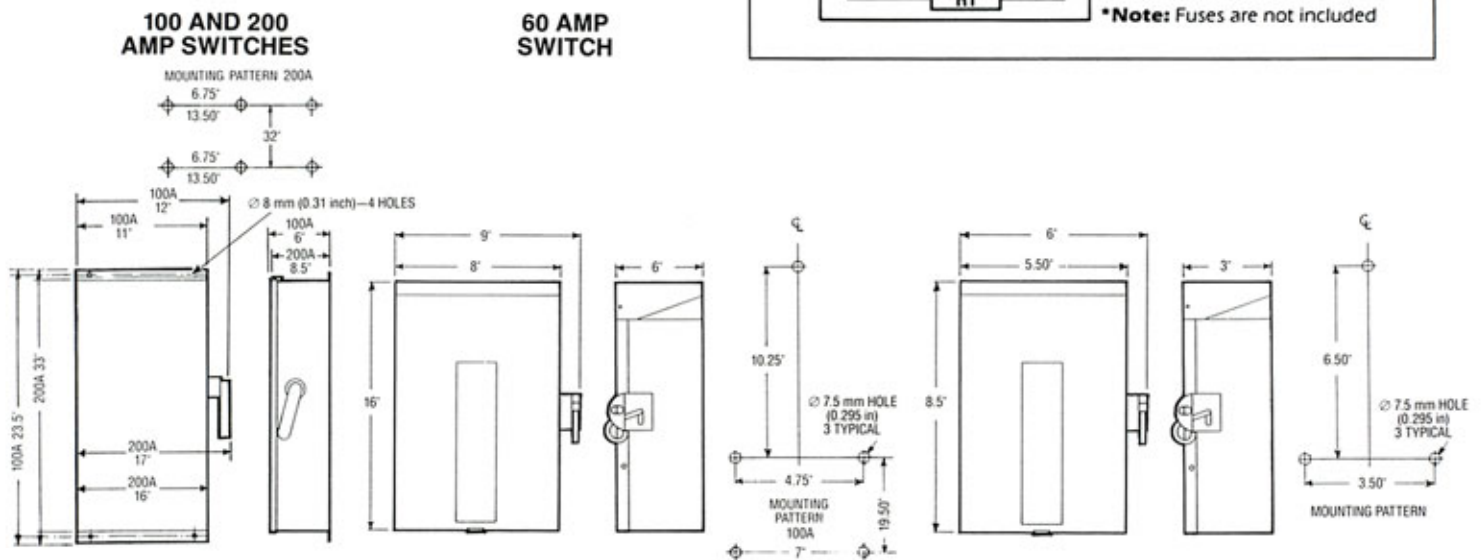
- Manually operated
- Automatic discharge of magnet power
- Mechanical interlock (door must be closed to operate)
- Nema 3R/12 (IP-65) combination enclosure
- Provides operator safety

Magnet circuits, which are highly inductive, occasionally require disconnection while the magnet is energized. Standard knife or safety switches are not capable of breaking this highly inductive magnet energy.

Ohio Magnetics' magnet disconnect switch interrupts the magnet circuit arc by using a quick break switch with a permanently connected power diode and power resistor\* across negative and positive of the switch output. The power diode directs the discharge current from negative to positive while blocking the normal currents from positive to negative. The power resistor\* dissipates the stored energy of the inductive magnet circuit. The switch is polarity sensitive. Input and output power leads must be connected as indicated by markings.

\*30 A and 60 A switches do not require power resistor.

### DIMENSION INFORMATION



Voltage	Amp Rating max.	Part No.
250 VDC	30	018C8500A
250 VDC	60	018C8600A
250 VDC	100	018C8700A
250 VDC	200	018C8800A

### ELEMENTARY DIAGRAM\*

