

**Part 1 General**

**1.1 SHOP DRAWINGS AND PRODUCT DATA**

- .1 Submit shop drawings and product data in accordance with Section 26 05 01.
- .2 Include time-current characteristic curves for breakers with ampacity of 400 and over.

**1.2 OPERATION AND MAINTENANCE DATA**

- .1 Provide data for incorporation into Electrical Maintenance Manual specified in Section 26 05 01.

**Part 2 Products**

**2.1 BREAKERS - GENERAL**

- .1 Moulded case circuit breakers: to CSA C22.2 No. 5.1
- .2 Bolt-on moulded case circuit breaker, quick-make, quick break type, for manual and automatic operation.
- .3 Common-trip breakers with single handle for multi pole applications.
- .4 Magnetic instantaneous trip elements in circuit breakers to operate only when the value of current reaches setting. Trip settings on breakers with adjustable trips to range 3 - 10 times current rating.
- .5 Breakers shall trip to "centre" position.
- .6 All breakers rated at more than 400 amps shall be electronic type with adjustable trip units with adjustable protection settings for long-time pickup, long-time delay, short-time pickup, short-time delay, and instantaneous.

**2.2 THERMAL MAGNETIC BREAKERS**

- .1 Moulded case circuit breaker to operate automatically by means of thermal and magnetic tripping devices to provide inverse time current tripping under overload conditions and instantaneous magnetic tripping for short circuit protection.
- .2 Breakers servicing motors to be complete with current limiting accessory.

**2.3 SOLID STATE TRIP BREAKERS**

- .1 Moulded case circuit breaker to operate by means of solid-state trip unit with associated current monitors and self-powered shunt trip to provide inverse time current trip under overload condition, and long time, short time, and instantaneous tripping for phase and ground fault short circuit protection.

**Part 3          Execution**

**3.1            INSTALLATION**

- .1          Install circuit breakers as indicated.

**END OF SECTION 26 28 21**