

**PART 1**      **GENERAL**

**1.1**            **RELATED SECTIONS**

- .1      Section 01 33 00 - Submittal Procedures.
- .2      Section 26 80 00 - Commissioning of Electrical Systems.
- .3      Section 26 05 00 - Common Work Results – Electrical.

**1.2**            **SUBMITTALS**

- .1      Include time-current characteristic curves for breakers with ampacity of 600 A and over or with interrupting capacity of 22,000 A symmetrical (rms) and over at system voltage.

**PART 2**      **PRODUCTS**

**2.1**            **BREAKERS GENERAL**

- .1      Bolt-on moulded case circuit breaker: quick- make, quick-break type, for manual and automatic operation with temperature compensation for 40°C ambient.
- .2      Common-trip breakers: with single handle for multi-pole applications.
- .3      Magnetic instantaneous trip elements in circuit breakers to operate only when value of current reaches setting. Trip settings on breakers with adjustable trips to range from 3-8 times current rating.
- .4      Circuit breakers with interchangeable trips as indicated.
- .5      Circuit breakers to have minimum of 10,000 A symmetrical rms interrupting capacity rating.

**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 and instantaneous tripping for short circuit protection.

**2.3**            **OPTIONAL FEATURES**

- .1      Include:
  - .1      shunt trip.
  - .2      auxiliary switch.
  - .3      motor-operated mechanism c/w time delay unit.

- .4 under-voltage release.
- .5 on-off locking device.
- .6 handle mechanism.

**2.4 ENCLOSURE**

- .1 Mounted in NEMA 1 type enclosure, sprinkler proof as indicated.

**PART 3      EXECUTION**

**3.1 INSTALLATION**

- .1 Install circuit breakers as indicated.

**END OF SECTION**