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**MOULDED CASE CIRCUIT BREAKERS**

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**Part 1           General**

**1.1               SECTION INCLUDES**

- .1       Materials for moulded-case circuit breakers, circuit breakers and ground-fault circuit-interrupters.

**1.2               RELATED SECTIONS**

- .1       The City of Winnipeg Standard Construction Specifications Section CW1110 – General Instructions.

**1.3               REFERENCES**

- .1       Canadian Standards Association (CSA International).
  - .1       CSA-C22.2 No. 5-02, Moulded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures (Tri-national standard with UL 489, tenth edition, and the second edition of NMX-J-266-ANCE).

**1.4               SUBMITTALS**

- .1       Submit product data in accordance with The City of Winnipeg Standard Construction Specifications Section CW1110 – General Instructions.

**Part 2           Products**

**2.1               BREAKERS GENERAL**

- .1       Moulded-case circuit breakers: to CSA C22.2 No. 5
- .2       Bolt-on moulded case circuit breaker: quick- make, quick-break type, for manual and automatic operation with temperature compensation for 40 degrees C ambient.
- .3       Common-trip breakers: with single handle for multi-pole applications.
- .4       Magnetic instantaneous trip elements in circuit breakers to operate only when value of current reaches setting.
  - .1       Trip settings on breakers with adjustable trips to range from 3-8 times current rating.
- .5       Circuit breakers with interchangeable trips as indicated.
- .6       Circuit breakers to have minimum 10,000 A symmetrical rms interrupting capacity rating.

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**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.

**Part 3 Execution**

**3.1 INSTALLATION**

- .1 Install circuit breakers as indicated.

**END OF SECTION**