

ENCLOSED SWITCHES AND CIRCUIT BREAKERS

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Disconnect Switches.
- B. Fuses.

1.2 REFERENCES

- A. NEMA KS 1 - Enclosed Switches.
- B. ANSI/NFPA 70 - National Electrical Code.

1.3 SUBMITTALS

- A. Include outline drawings with dimensions, and equipment ratings for voltage, capacity, horsepower, and short circuit.

PART 2 - PRODUCTS

2.1 DISCONNECT SWITCHES

- A. Acceptable manufacturers:
 - 1. *Square D.*
 - 2. *General Electric.*
 - 3. *Cutler-Hammer.*
 - 4. *Siemens.*
 - 5. Substitutions: Or Approved Equal.
- B. Nonfusible Switch Assemblies: NEMA KS 1; Type HD; quick-make, quick-break, load interrupter enclosed knife switch with externally operable handle interlocked to prevent opening front with switch in ON position. Handle lockable in OFF position.
- C. Fusible Switch Assemblies: NEMA KS 1, Type HD, quick-make, quick-break, load interrupter enclosed knife switch with externally operable handle interlocked to prevent opening front cover with switch in ON position. Handle lockable in OFF position. Fuse clips: designed to accommodate Class R fuses.
- D. Enclosures: NEMA KS 1; Type 1. For indoor locations; Type 3R for outdoor locations.

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2.2 FUSES

- A. Acceptable manufacturers:
 - 1. *Bussman*
 - 2. *Shawmut-Gould*
 - 3. Substitutions: Or Approved Equal.

- B. Fuses 600 amperes and less: ANSI/UL 198E, Class RK5 dual element 250-volt.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install disconnect switches for all motor loads and where indicated on Drawings, except where equipment is factory supplied with an integral means of disconnect.

- B. Install disconnect switches within sight and within 25 feet of equipment item being served. Install switch handle no higher than 60 inches above the working surface.

- C. Provide unfused disconnect switches for general motors. Provide fused disconnect switches for Mechanical System Air Handling Units and Outside Air Units where required by the equipment manufacturer.

END OF SECTION