

## SECTION 16440

### DISCONNECT SWITCHES

#### PART 1 - GENERAL

##### 1.01 WORK INCLUDED

- A. Disconnect Switches.
- B. Fuses.
- C. Enclosures.

##### 1.02 RELATED SECTIONS

- A. Section 16010: Basic Electrical Requirements.

##### 1.03 PERFORMANCE REQUIREMENTS

- A. Conform to requirements of ANSI/NFPA 70. (N.E.C.)
- B. Furnish products listed and classified by Underwriters' Laboratories, Inc. (U.L.) as suitable for purpose specified and shown.
- C. Size per N.E.C. and Equipment Manufacturers' Recommendations.

##### 1.04 SUBMITTALS

- A. Submit Shop Drawings, Owner's Manuals, and Operating Instructions in accordance with Section 01300 - Submittals.
- B. Include outline drawings with dimensions, and equipment ratings for voltage, capacity, horsepower, and short circuit.

##### 1.05 SPARE PARTS

- A. Fuses: Furnish to Owner three (3) spare fuses for each circuit and each device requiring fuses. Maximum of six (6) spare fuses of each type and rating installed.

#### PART 2 - PRODUCTS

##### 2.01 DISCONNECT SWITCHES

- A. Acceptable Manufacturers:
  - 1. General Electric.
  - 2. I-T-E Siemens.
  - 3. Cutler-Hammer/Westinghouse.
  - 4. Square D.
- B. Fusible Switch Assemblies: Heavy-duty, 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.

- C. Nonfusible Switch Assemblies: Heavy-duty, 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.
- D. Rated: Horsepower rated, 600-volt and 250-volt as required by the particular circuit with ampere rating and number of poles as indicated, or as required by the specific equipment.
- E. Enclosures: NEMA KS 1; Type 1 for interior dry locations, Type 3R raintight for exterior locations and types as indicated on Drawings.

## 2.02 FUSES

- A. Acceptable Manufacturers:
  - 1. Bussman.
  - 2. Gould Shawmut.
  - 3. Littelfuse.
- B. Fuses 600 Amperes and Less: RK5 (Dual Element Time Delay); 600 volt.
- C. Interrupting Rating: 200,000 RMS amperes.

## PART 3 - EXECUTION

### 3.01 INSTALLATION

- A. See Section 16180 - Equipment Wiring.
- B. Install fuses in fusible disconnect switches.

END OF SECTION