

## **SECTION 26 2816 – ENCLOSED SWITCHES**

### **PART 1 - GENERAL**

#### 1.1 WORK INCLUDES

- A. Contractor provide:
  - 1. Fusible switches.
  - 2. Non-fusible switches.
  - 3. Fuses.

#### 1.2 RELATED SECTIONS

- A. Division 1 – Submittal Requirements.
- B. Section 260553 - Conduit.
- C. Section 260519 - Building Wire and Cable.
- D. Section 260529 - Supporting Devices.
- E. Section 260553 - Electrical Identification.

#### 1.3 REFERENCES

- A. NEMA KS 1 - Enclosed Switches.
- B. NFPA 70 - National Electrical Code.
- C. UL 198C - High-Interrupting Capacity Fuses; Current Limiting Type.
- D. UL 198E - Class R Fuses.
- E. IBC 2009 - International Building Code: seismic hazard and performance.

#### 1.4 SUBMITTAL

- A. Submit under provisions of Division 1.
- B. Product Data: Provide switch ratings and enclosure dimensions.
- C. Manufacturer's Instructions: Indicate application conditions and limitations of use stipulated by Product testing agency specified under Regulatory Requirements. Include instructions for storage, handling, protection, examination, preparation, installation, and starting of Product.

## 1.5 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing Products specified in this Section with minimum three years documented experience.

## 1.6 REGULATORY REQUIREMENTS

- A. Conform to requirements of NFPA 70.
- B. Furnish products listed and classified by UL as suitable for purpose specified and shown.

## 1.7 EXTRA MATERIALS

- A. Provide three of each size and type fuse installed.

## **PART 2 - PRODUCTS**

### 2.1 MANUFACTURERS

- A. General Electric
- B. Siemens
- C. Square D
- D. Cutler- Hammer

### 2.2 ENCLOSED SWITCHES

- A. Fusible Switch Assemblies: NEMA KS 1, Type HD 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.
- B. Nonfusible Switch Assemblies: NEMA KS 1, Type HD 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.
- C. Enclosures: NEMA KS 1.
  - 1. Interior Dry Locations: Type 1.
  - 2. Wet locations: Type 3R.

### 2.3 FUSES

- A. Manufacturers:
  - 1. Bussman
  - 2. Littlefuse

3. Shawmut

- B. Description: Dual element, current limiting, one-time fuse, 250 or 600volt ,UL 198E, Class RK
- C. Interrupting Rating: 200,000 rms amperes.

## **PART 3 - EXECUTION**

### 3.1 INSTALLATION

- A. Install disconnect switches where indicated.
- B. Install fuses in fusible disconnect switches.
- C. Provide adhesive label on inside door of each switch indicating UL fuse class and size for replacement.
- D. Support according to Section 260529.

END OF SECTION 262816