

## PART 1 - GENERAL

### 1.1 SUMMARY

- A. This Section includes the specifications for fuses (600V and below).

### 1.2 REFERENCES

- A. American National Standards Institute (ANSI)
- B. National Electrical Manufacturers Association (NEMA)
- C. Underwriters Laboratories (UL)

### 1.3 SUBMITTALS

- A. Make submittals in accordance with Section 26 05 00 - Common Work Results For Electrical. Submit product data for each fuse type and size.
- B. Submit the following information:
  - 1. Descriptive data and time-current curves
  - 2. Let-through current curves for fuses with current-limiting characteristics
  - 3. Coordination charts and tables and related data

### 1.4 QUALITY ASSURANCE

- A. Source Limitations: Obtain fuses from one source and by a single manufacturer.

### 1.5 SPARE FUSES

- A. At completion of project, furnish to the owner a quantity of spare fuses equal to 10% of the total quantity of each size and type of fuse used on the project, with a minimum of three (3) fuses of any one size and type.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide fuses by one of the following:
  - 1. Bussmann
  - 2. Eagle Electric Mfg. Co
  - 3. Edison
  - 4. General Electric
  - 5. Gould Shawmut
  - 6. Littelfuse
- B. Fuse sizes indicated on the drawings are based on current limiting performance and selectivity ratios.

## 2.2 CARTRIDGE FUSES

- A. Characteristics: NEMA FU 1, nonrenewable cartridge fuse; class as specified or indicated; current rating as indicated; voltage rating consistent with circuit voltage.
- B. Current limiting, 200,000 AIC minimum interrupting capacity, unless noted otherwise.
- C. Circuits 601-6000 amps: Class L time delay
- D. Circuits 600 amps and less: Class RK1 or Class J
- E. Motor Circuits: Class RK5 dual element time delay or Class L (601-6000A)
- F. Transformer Primary Circuits: Class RK5

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine utilization equipment nameplates and installation instructions to verify proper fuse locations, sizes, and characteristics.
- B. Do not proceed with installation until unsatisfactory conditions have been corrected.

### 3.2 INSTALLATION

- A. Install fuses in fusible devices at job site just prior to energization. Do not accept equipment with fuses installed at factory.
- B. Arrange fuses so fuse ratings are readable without removing fuse.

### 3.3 CLEANING AND INSPECTION

- A. Clean fuses, tighten connections and inspect fuse holders prior to energization of the equipment.

**END OF SECTION**