

SECTION 262813 - FUSES**PART 1 - GENERAL****1.1 SUMMARY**

- A. Section Includes: Cartridge fuses rated 600-V ac and less for use in control circuits, enclosed switches, panelboards, switchboards, enclosed controllers, and motor-control centers.

1.2 QUALITY ASSURANCE

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
- B. Comply with NEMA FU 1 for cartridge fuses.
- C. Comply with NFPA 70.

PART 2 - PRODUCTS**2.1 MANUFACTURERS**

Subject to compliance with requirements, provide products by one of the following:

	<u>Gould-Shawmut</u>	<u>Bussmann</u>	<u>LittleFuse</u>	<u>Edison</u>
Class J: (600A or less; 600V or less)	AJT	LPJ	JTD	JDL
Class L: (over 600A; 600V or less)	A4BQ	KRP-C	KLPC	LCL

2.2 CARTRIDGE FUSES

- A. Characteristics: NEMA FU 1, nonrenewable cartridge fuses with voltage ratings consistent with circuit voltages.
- B. Only one (1) manufacturer will be allowed to supply fuses associated with this project. Do not intermix fuse manufacturers.
- C. Fuses for motor loads shall be sized from the nameplate data on the motor per NFPA 70. Notify Engineer of any discrepancies.
- D. Provide (3) spare fuses of each size in original packages for Owner's future use. Store these spare fuses in a new fuse cabinet – Gould Shawmut cat. No. GSFC-M (or equal). Mount fuse cabinet near service entrance point of main disconnect.

PART 3 - EXECUTION**3.1 FUSE APPLICATIONS**

- A. Service Entrance: Class L, time delay and Class J, time delay according to amperage and application.
- B. Feeders: Class J, time delay.
- C. Motor Branch Circuits: Class J, time delay.

- D. Other Branch Circuits: Class J, time delay.
- E. Control Circuits: Class CC, fast acting.

3.2 INSTALLATION

- A. Check for proper fuse clip provisions (clip spacing/types) prior to installing fuses.
- B. Install fuses in fusible devices. Arrange fuses so rating information is readable without removing fuse.

3.3 IDENTIFICATION

- A. Install labels complying with requirements for identification specified in Section 260553 "Identification for Electrical Systems" and indicating fuse replacement information on inside door of each fused switch and adjacent to each fuse block and holder.

END OF SECTION 262813