

SECTION 16490

SAFETY SWITCHES

PART 1 - GENERAL

1.1 GENERAL

- A. The provisions of Section 16010 General Requirements for Electrical Work apply to the Work of this Section.

1.2 CODES AND STANDARDS

- A. Products shall comply with the following codes and standards and shall be UL-listed and labeled:

NEMA KS-1	Enclosed Switches
UL 98	Enclosed and Deadfront Switches

1.3 SUBMITTALS

- A. Manufacturer's product data sheets.

1.4 MANUFACTURERS

- A. Subject to compliance with the specification requirements:
1. General Electric
 2. Square D
 3. Siemens
 4. Westinghouse
 5. Cutler Hammer

PART 2 - PRODUCTS

- 2.1 Safety switches shall be 600 VAC or 240 VAC as required NEMA heavy duty, horsepower rated visible blade type. Switches shall be non-fused or fused as indicated on the Drawings.
- 2.2 The switch operating mechanism shall be spring activated quick make - quick break.
- 2.3 The external operating handle shall indicate the switch position, ON in the up position, OFF in the down position and shall be padlockable in the OFF position. A defeatable interlock shall be provided to prevent opening the cover when the switch is ON and prevent closing the switch contacts when the cover is opened.
- 2.4 Switches shall be provided with arc suppressors and line terminal shields.
- 2.5 Single speed motors shall be provided with three pole switches. Two speed motors shall be provided with six pole switches.

- 2.6 Switches shall be provided with a factory supplied ground kit.
- 2.7 Fused switches shall be provided with class J fuses.
- 2.8 Safety switches installed indoors shall be provided with NEMA 1 enclosures. Safety switches installed outdoors or in wet areas shall be provided with NEMA 3R enclosures.

PART 3 - EXECUTION

- 3.1 Safety switches shall be installed in accordance with Section 16050 Installation of Electrical Equipment.

END OF SECTION 16490