

SECTION 16485
CONTACTORS

PART 1 GENERAL

1.1 SECTION INCLUDES:

- A. General purpose contactors.
- B. Lighting contactors.

1.2 REFERENCES

- A. ANSI/NEMA ICS 6 - Enclosures for Industrial Controls and Systems.
- B. NEMA ICS 2 - Industrial Control Devices, Controllers, and Assemblies.
- C. ANSI/NFPA 70 - National Electrical Code.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Include dimensions, size, voltage ratings and current ratings.

1.4 PROJECT RECORD DOCUMENTS

- A. Submit under provisions of Section 01700.
- B. Accurately record actual locations of each contactor and indicate circuits controlled.

1.5 OPERATION AND MAINTENANCE DATA

- A. Submit under provisions of Section 01700.
- B. Maintenance Data: Include instructions for replacing and maintaining coil and contacts.

1.6 QUALIFICATIONS

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

PART 2 PRODUCTS

2.1 MANUFACTURERS - GENERAL PURPOSE CONTACTORS

- A. Square D.
- B. General Electric.
- C. Allen-Bradley.
- D. Cutler Hammer.
- E. Siemens/ITE.

2.2 GENERAL PURPOSE CONTACTORS

- A. Description: NEMA ICS 2, AC general purpose magnetic contactor.
- B. Coil Voltage: 120 volts, 60 Hertz.
- C. Poles: As indicated.
- D. Size: As indicated.
- E. Enclosure: ANSI/NEMA ICS 6, Type as required to meet conditions of installation, unless indicated on the Drawings.
- F. Accessories:
 - 1. Pushbutton: ON/OFF.
 - 2. Selector Switch: ON/OFF.
 - 3. Indicating Light: RED.

4. Auxiliary Contacts: Field convertible.

2.3 MANUFACTURERS - LIGHTING CONTACTORS

- A. Square D.
- B. General Electric.
- C. Allen-Bradley.
- D. Cutler Hammer.
- E. Siemens/ITE.

2.4 LIGHTING CONTACTORS

- A. Description: NEMA ICS 2, magnetic lighting contactor.
- B. Configuration: Electrically held or Mechanically held, 3 wire control.
- C. Coil Voltage: 120 volts, 60 Hertz.
- D. Poles: As indicated.
- E. Contact Rating: Match branch circuit overcurrent protection, considering de-rating for continuous loads.
- F. Enclosure: ANSI/NEMA ICS 6, Type as required to meet conditions of installation unless indicated on the Drawings.
- G. Accessories:
 - 1. Selector Switch: ON/OFF/AUTOMATIC.
 - 2. Indicating Light: RED.
 - 3. Auxiliary Contacts: Field convertible.

2.5 ACCESSORIES

- A. Pushbuttons and Selector Switches: NEMA ICS 2, heavy-duty type.
- B. Indicating Lights: NEMA ICS 2, transformer type.
- C. Auxiliary Contacts: NEMA ICS 2, Class A300 or A600.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install in accordance with manufacturer's instructions.

END OF SECTION