

The School District of Palm Beach County

Project Name:

SDPBC Project No.:

SECTION 26 09 00
ELECTRICAL INSTRUMENTATION and CONTROL

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. General purpose contactors
- B. Lighting contactors

1.2 REFERENCES

- A. NEMA ICS 6 - Enclosures for Industrial Controls and Systems
- B. NEMA ICS 2 - Controllers, Contactors and Overload Relays Related to 600V
- C. NFPA 70 - National Electrical Code

1.3 SUBMITTALS

- A. Submit under provisions of Section 01 33 00.
- B. Product Data: Include dimensions, size, voltage ratings, and current ratings.

1.4 PROJECT RECORD DOCUMENTS

- A. Submit under provisions of Section 01 77 00.
- B. Accurately record actual locations of each contactor and indicate circuits controlled.

1.5 OPERATION AND MAINTENANCE DATA

- A. Submit under provisions of Section 01 77 00.
- 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: 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

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- 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 the branch-circuit over-current protection, take-in consideration the de-rating for continuous loads.
- F. Enclosure: 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