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:
 - Pushbutton: ON/OFF
 Selector Switch: ON/OFF
 Indicating Light: RED
 - 4. Auxiliary Contacts: Field convertible
- 2.3 MANUFACTURERS LIGHTING CONTACTORS
 - A. Square D
 - B. General Electric

The School District of Palm Beach County Project Name: SDPBC Project No.:

- 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 derating 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 typeC. 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