

## SPECIFICATIONS IFB 23IFB8760

### SWITCHGEAR AIR-INSULATED DEADFRONT

#### PART 1 - GENERAL

##### 1.01 GENERAL REQUIREMENTS:

- A. Padmount switchgear shall be 14.4 kV nominal, 95 kV BIL, 600 amp continuous, 14,000 amps RMS sym. short circuit.
- B. The switchgear shall meet the latest applicable requirements of ANSI/IEEE standards, including but not limited to ANSI C57.12.28, ANSI C37.20, ANSI C37.74, and ANSI/IEEE 386.

#### PART 2 - PRODUCTS

##### 2.01 DEAD FRONT SWITCHGEAR:

- A. Design:
  - 1. Double-side padmount style with front and back access.
  - 2. Multi-way with 4 modules.
    - a. **(4) switch bays**
  - 3. Grounding studs at each incoming cable connection.
- B. Enclosure:
  - 1. Shall be mild steel.
  - 2. Color: Olive green/Munsell.
  - 3. Shall be free standing with padlocked security.
  - 4. Enclosure finish shall be resistant to salt spray and shall have been successfully tested in accordance with ASTM B-117.
- C. Load Break Switch Modules:
  - 1. Three phase interrupter switches with 3-pole gang operated functionality.

2. Interrupter switches shall utilize a quick-make, quick-break mechanism which shall swiftly and positively open and close the interrupter switch independent of the speed of the switch operating handle.
3. External switch operating mechanism, folding switch operating handle in hub pocket.
4. Viewing window for visual identification of open or closed switch position. Viewing windows shall be wide-viewing and mar-resistant.
5. 600 amp bushings, dead front, suitable for bolt-on elbow connections.
6. Modules shall include parking stands for each phase included on each switch way.
7. Insulation: Air-insulated.
8. Ratings:
  - a. 600 amp continuous
  - b. 600 amp load break, with fault close in ratings to exceed short circuit rating of the gear.

D. Acceptable Manufacturers:

1. S & C, type PME, Catalog # 65242R1-M1
2. No equal

2.02 BOX PADS FOR PADMOUNT SWITCHGEAR:

- A. Fiberglass box pads shall be furnished and properly sized to match the padmount switchgear listed in the Bid.
- B. Box pad shall be step designed of heavy construction in order to support the above switch.
- C. Pad shall be sized to place the weight of the supported device as close to the outside edge as possible.
- D. Height of pad shall be thirty-six (36) inches.
- E. **The box pad manufacturer shall be responsible for coordinating with the padmount switchgear supplier regarding pad size, top opening, etc.**

F. Acceptable Manufacturers:

1. Nordic Fiberglass, Inc., type GS
2. Highline, FSG series
3. No equal.