SECTION 33 77 00.02

15KV PADMOUNT VACUUM SWITCH - OIL FILLED

PART 1  GENERAL

1.1 DESCRIPTION

Padmount Distribution Switch complete with insulating oil.

1.2 INCORPORATED DOCUMENTS

Latest applicable NEMA and ANSI standards for Padmount, dead front, oil filled switch with vacuum load interrupters.

1.3 SUBMITTALS

A. Submit shop drawings containing information of dimensions, weight, and fabrication details.

B. Submit manufacturer’s test report.

PART 2  PRODUCTS

2.1 GENERAL DESCRIPTION

A. Manufacturer: Trayer Engineering
   898 Pennsylvania Ave.
   San Francisco, CA 94107
   Phone (800) 377-1774

B. Type: Padmount Switch

C. No Substitutions allowed

2.2 ELECTRICAL CHARACTERISTICS

A. Nominal Voltage: 15 kV, 3-Phase, 60 Hz.

B. Number of switch positions to be specified in purchase document. All switches are to be vacuum load interrupters.

C. Number of switch positions with fault interrupting devices to be specified in purchase document.

D. Provide 600 Amp apparatus bushings without male stud.
E. Vacuum Load Interrupters rated for 600 Amp, 95kV BIL.

D. Insulating Liquid: Mineral Oil, ASTM D-3487.

2.3 HIGH VOLTAGE TERMINATION AND EQUIPMENT

A. Single sided access, low base.

B. Provide parking stands.

C. Provide photo engraved stainless steel diagrammatic main nameplate.

2.4 CONSTRUCTION

A. Construction shall be dead front and all stainless steel.

B. Provide lifting lugs and provisions for jacking, rolling, and skidding.

C. All bussing shall be copper.

D. Provide lugs, designed for CBC Seismic Zone 4 earthquake forces, for bolting the switch to the pad.

E. Provide the following accessories:

1) Liquid level indicator.

2) Wind latch.

3) Ground terminals.

F. Painting: Finish the switch according to ANSI standard (C57.12.28/29) for surface preparation, primer, and paint durability. Exterior color: Kelly Moore DTM 5725 569 Wrought Iron Black.

PART 3 EXECUTION

3.1 FACTORY TESTS

Perform factory tests according to ANSI Standards and submit test reports to the Owner prior to shipment.

3.2 SHIPPING AND DELIVERY

Notify the Owner 24 hours prior to delivery at the phone number provided in the Purchase Order.

END OF SECTION