

# Application Checklist

To assist with initial design parameters, the following should be completed.

## Pole Mounted Switched Capacitor Rack

### Power System Characteristics

Basic Insulation Level (BIL) (2 $\mu$ S by 50 $\mu$ S):  95 kV Crest  110 kV Crest  125 kV Crest  150 kV Crest

Configuration:  Delta  Impedance Grounded Wye  Solidly Grounded Wye

Frequency: \_\_\_\_\_ Hertz

Line-to-Line Voltage: \_\_\_\_\_ kV RMS

Phase-To-Neutral Short Circuit Current: \_\_\_\_\_ kA RMS, Symmetrical

Three-Phase Short Circuit Current: \_\_\_\_\_ kA RMS, Symmetrical

**Total Effective Capacitive Reactive Power Required:** \_\_\_\_\_ kVAR

**Bank Connection:**  Delta  Ungrounded Wye  Grounded Wye

**Power Capacitor Unit Ratings:** Nameplate Voltage \_\_\_\_\_ kV RMS Nameplate kVAR \_\_\_\_\_

**Power Capacitor Bank Switches:**  Solid Dielectric  Vacuum under Oil  Oil

Operator Type \_\_\_\_\_ Operator Voltage \_\_\_\_\_

Auxiliary Contact Required  No  Yes

If Yes, Select One of the Following:  One (1) Form-A Contact  Dry  Wetted

One (1) Form-B Contact  Dry  Wetted

One (1) Form-C Contact  Dry  Wetted

**Control Power Transformer Apparent Power Rating:** \_\_\_\_\_ kVA

**Power Factor Controller Required:**  No  Yes If yes,

Customer Preference \_\_\_\_\_

Control Cable Termination  Amphenol Socket \_\_\_\_\_ Number of Pins

Meter Socket \_\_\_\_\_ Number of Jaws

**Distribution Arresters:**  No  Yes

If yes, select one of the following:  Heavy Duty  Heavy-Duty Riser Pole  Standard Duty

Arrester Rating \_\_\_\_\_ kV RMS

**Current Sensor:**  No  Yes

If yes, select one of the following:  Current Transformer \_\_\_\_\_ : 5 Current Ratio

Line Post Sensor