



**PRIMARY METERING SWITCHGEAR**  
WITH GROUP OPERATED DISCONNECT SWITCH



# KEY SELLING POINTS

## PRIMARY METERING GROUP OPERATED DISCONNECT SWITCH

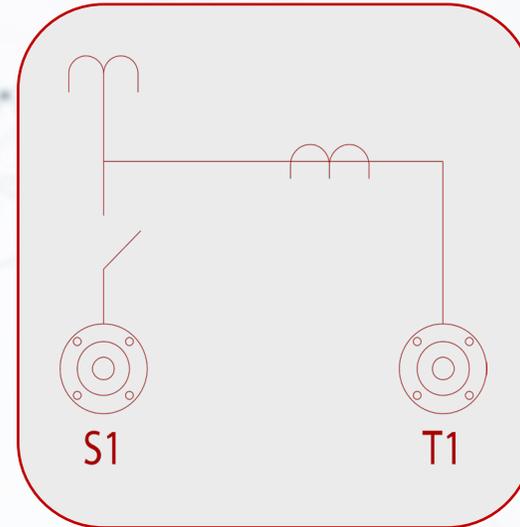
- ❖ **ENCLOSURE:**
  - Housed in a fiberglass outdoor weatherproof enclosure with stainless steel hardware
- ❖ **CONSTRUCTION:**
  - Ultra-strong, fire retardant, and corrosion resistant
  - Fiberglass laminate guaranteed against degradation for 25 years under normal service
  - Structural Frame:
    - Free-standing, hot-dipped galvanized steel frames
    - Allows full enclosure removal for easy equipment access
- ❖ **SWITCHING:**
  - Group operated loadbreak disconnect switch provides isolation and visible break
  - Transformer Integration:
    - Supports instrument transformers from all manufacturers
    - Connected with copper bus bar to bushings
- ❖ **WIRING:**
  - Secondary wiring and color coding per customer specification
  - Installed in non-metallic, liquid-tight conduit and fittings
- ❖ **METERING:**
  - Meter base and test switch installed per specification
  - Can be mounted on enclosure or remote junction box



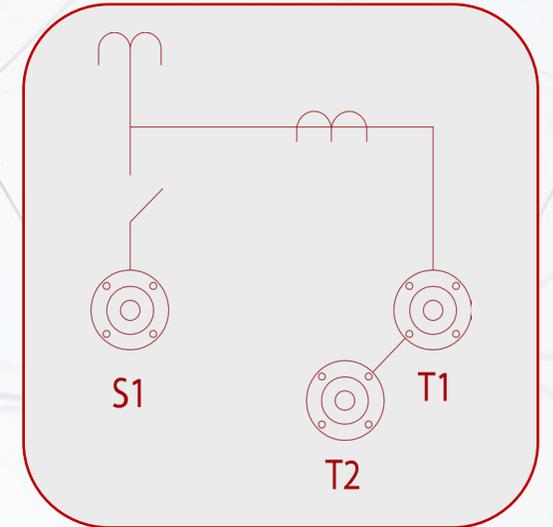
# BUSHING SCHEMATIC

## PRIMARY METERING WITH GROUP OPERATED DISCONNECT DETAILS

- ❖ **RADIAL CONFIGURATIONS:**
  - One source and one or two tap radial configurations available.
- ❖ **CABLE TO AIR BUSHINGS:**
  - Bolt-in type with clamping ring and gasket for field replacement.
- ❖ **DISCONNECT SWITCH:**
  - Group operated loadbreak type.
- ❖ **BUSHING RATINGS:**
  - 200 or 600 amp cable to air bushings
  - 5kV class pressure-molded epoxy bushings
  - Standard for both 15kV and 25kV systems
  - 125kV BIL (Basic Insulation Level) rating
- ❖ **Electrical Configuration:**
  - Three-phase WYE connection.
- ❖ **Front Cover:**
  - 1/4" clear non-conductive Lexan
  - Allows visible break and visual inspection
  - Includes black line schematic on reflective yellow vinyl tape



Radial 1 Tap

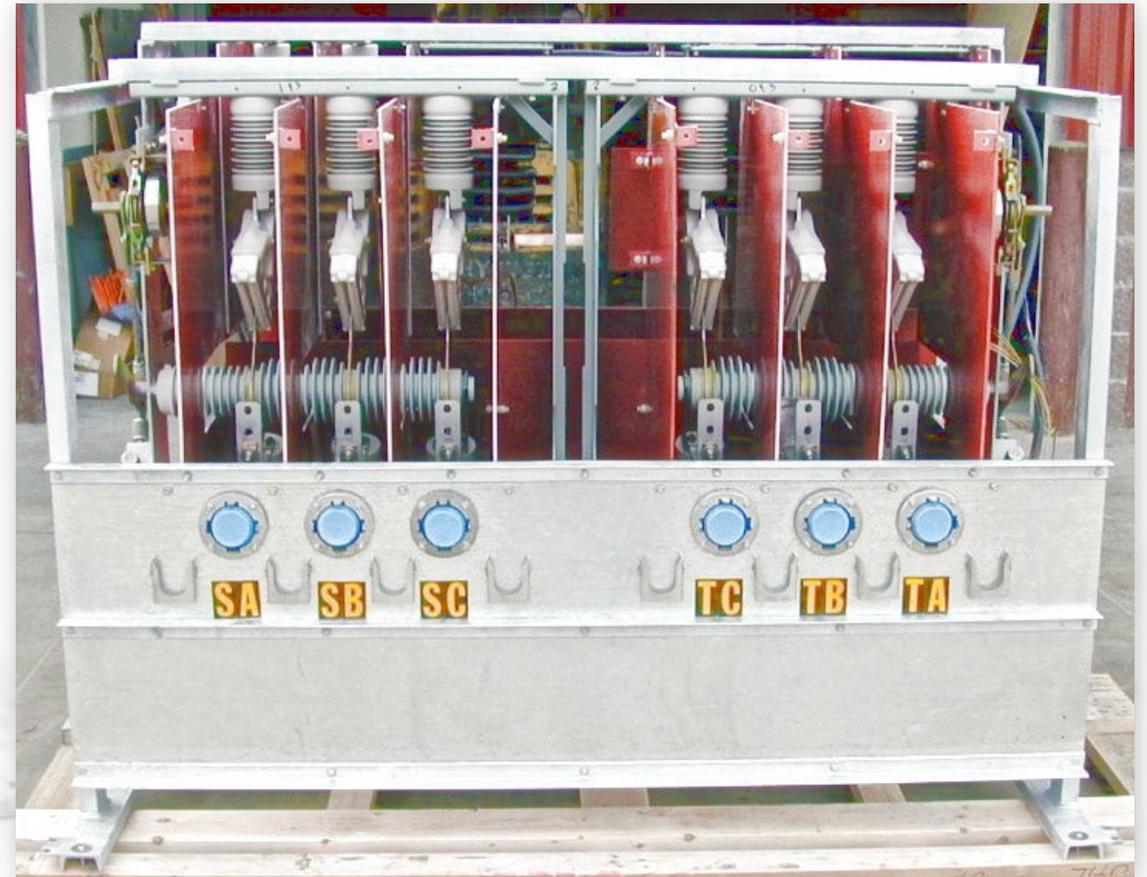


Radial 2 Tap

# ELBOW SIDE

## PRIMARY METERING WITH GROUP OPERATED DISCONNECT FEATURES

- ❖ **SWITCH TYPE:**
  - Group operated loadbreak switch
  - Main Loadbreak Switch:
  - Rating: 15/25kV, 600 amp
  - BIL: 125 kV
  - Interrupt Rating: 22,400A RMS asymmetrical
- ❖ **FRAME**
  - Free-standing, hot-dipped galvanized steel frame with lifting provisions
  - Engineered to handle electrical and mechanical stresses
- ❖ **SCHEMATICS:**
  - Circuit-isolated with transformer symbols
  - Clearly marked source/tap bushings, identified and numbered
- ❖ **BUSHINGS:**
  - 600 A Cable-to-air type per IEEE STD 386
- ❖ **GROUNDING:**
  - 3/8" solid copper ground bar



# TRANSFORMER SIDE

## PRIMARY METERING WITH GROUP OPERATED DISCONNECT FEATURES

### ❖ INSTRUMENT TRANSFORMERS:

- CT and VT outdoor transformers rated for 15/25kV, with 110/150kV BIL

### ❖ BARRIERS & SAFETY INSULATION:

- Full-height phase and ground barriers ensure rated voltage clearances
- Made of 3/16" NEMA GPO-3 material with GPO-3 stiffening angles
- Separate 1/4" clear non-conductive Lexan phase cover barriers for visual inspection

### ❖ BUS & CONDUCTORS:

- 600A copper bus with high-voltage heat shrink tubing for mechanical rigidity and electrical clearance

### ❖ WIRING & CONDUIT:

- Non-metallic liquid-tight conduit between transformers and meter base
- Customer-specified color-coded secondary wiring

### ❖ EASE OF INSTALLATION:

- Stainless steel sliding bracket on CT base allows for easy installation/removal with enclosure in place

### ❖ STANDARDS COMPLIANCE:

- Fully compliant with NEC, ANSI, IEEE, and NEMA standards
- Includes compliance with IEEE C57.12.28 and IEEE C57.12.29 (Pad-Mounted Equipment Enclosure)



# PRIMARY METERING WITH SWITCH

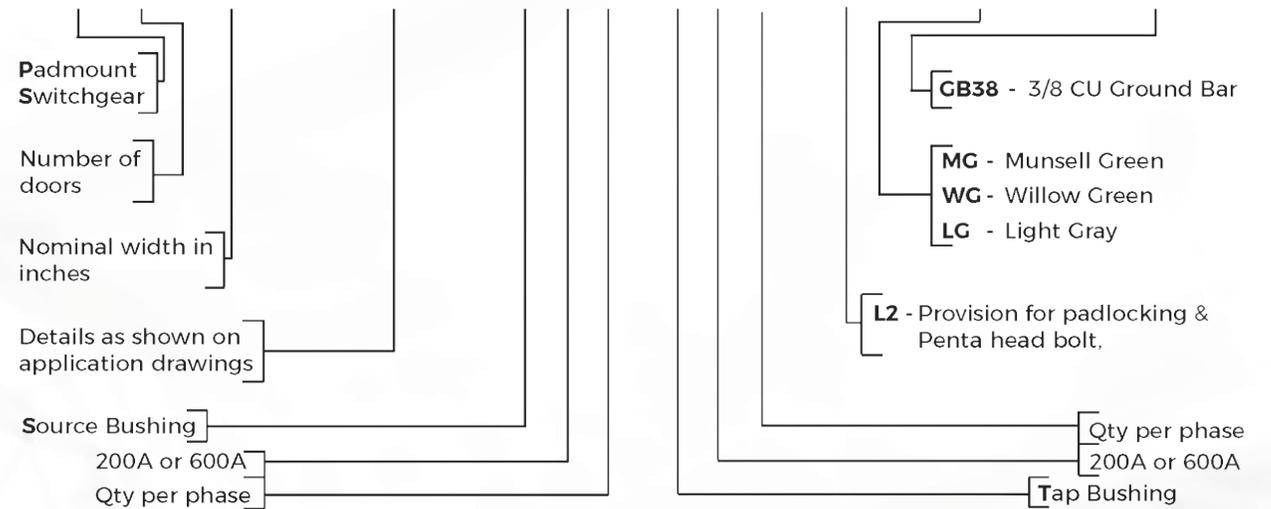
## PRODUCT HIGHLIGHTS

- ❖ **ENCLOSURE:**
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- ❖ **CONSTRUCTION:**
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  - Fiberglass laminate guaranteed against degradation for 25 years under normal service
  - Free-standing, hot-dipped galvanized steel frame
- ❖ **SWITCHING:**
  - Group operated loadbreak disconnect switch provides isolation and visible break
  - CT and VT outdoor transformers rated for 15/25kV, with 110/150kV BIL Connected with copper bus bar to bushings
  - 600 A Cable-to-air type per IEEE STD 386
- ❖ **WIRING:**
  - Secondary wiring and color coding per customer specification
  - Customer specified meter base and test switch

Contact our sales department if you have special requirements.

## ORDER KEY

**PS4-86-2540-S21-T21-L2-MG-GB38**

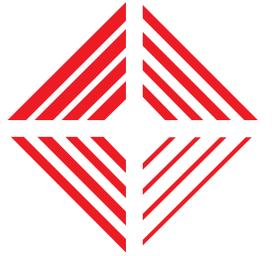


**NOTE**

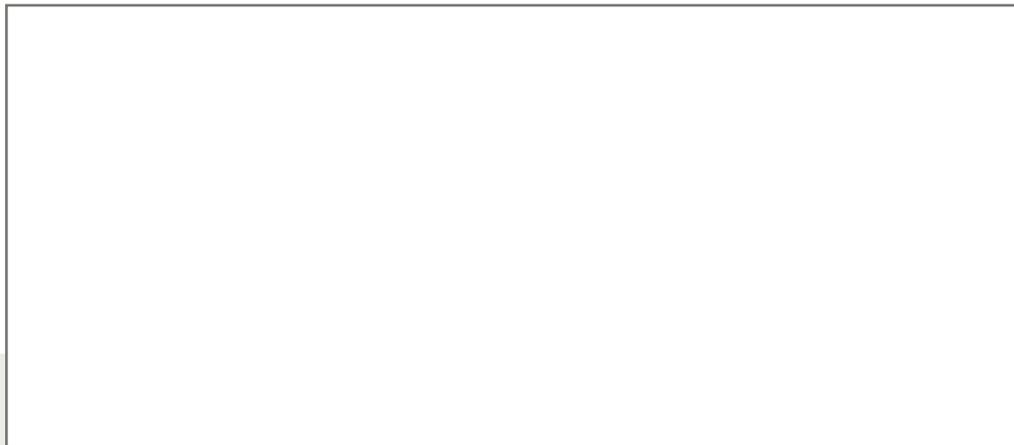
Refer to pad mount recloser switchgear drawings for equipment dimensions & location, pad & anchor bolt dimensions

# THANK YOU

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INC.**



SALES REPRESENTATIVE



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