



PADMOUNT RECLOSER SWITCHGEAR

WITH VISIBLE BREAK GROUP OPERATED SWITCH



KEY SELLING POINTS

RECLOSER SWITCHGEAR WITH VISIBLE BREAK GROUP OPERATED SWITCH

- ❖ **RECLOSER:** Equipped with a group-operated loadbreak disconnect switch.
- ❖ **ENCLOSURE:** Fiberglass, outdoor, weatherproof design with stainless steel hardware.
- ❖ **VOLTAGE & RATINGS:** Designed for 25 kV systems with 125 kV BIL rating; compatible with either 15 kV or 25 kV rated reclosers.
- ❖ **CONSTRUCTION:** Ultra-strong, fire retardant, corrosion resistant.
- ❖ **DURABILITY:** Fiberglass laminate guaranteed for 25 years against degradation under normal use.
- ❖ **FRAME:** Free-standing, Hot-dipped galvanized steel frame for easy removal of enclosure and access to equipment.
- ❖ **SWITCHING & ISOLATION:** Group-operated disconnect switch with Lexan viewing window for visible break.
- ❖ **CONTROL SYSTEM:** Recloser control module mounted externally on the enclosure.
- ❖ **POWER SUPPLY:** Control power transformer included to provide 120 VAC to the recloser control.



ELBOW SIDE

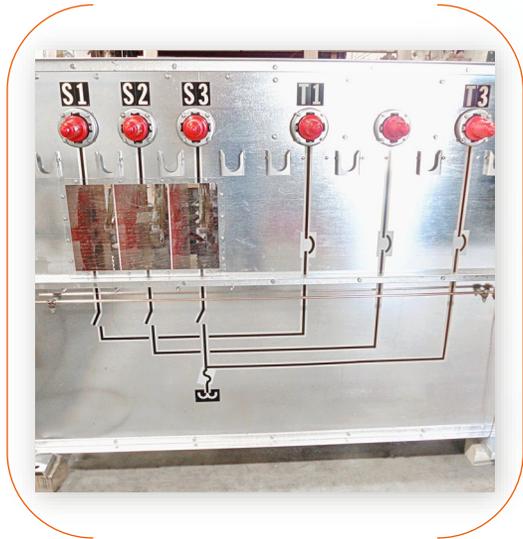
RECLOSER SWITCHGEAR WITH VISIBLE BREAK GROUP OPERATED SWITCH FEATURES

- ❖ S&C Mini-Rupter® group-operated three-phase loadbreak switch, 25 kV, 600 A, 125 BIL, 22,400 A RMS ASYM
- ❖ Switch operating handle, stainless steel access door & fiberglass storage pocket
- ❖ Lexan view window for visible break verification
- ❖ Clear Lexan inner door
- ❖ Black lane schematic on reflective yellow tape on front lexan pane.
- ❖ Free-standing hot-dipped galvanized steel frame with lifting provisions; designed to withstand electrical and mechanical stresses
- ❖ Cable-to-air bushings per IEEE Std 386, 25 kV-125 kV BIL, 200A or 600
- ❖ 3/8" solid copper ground bar



ELBOW SIDE

RECLOSER SWITCHGEAR WITH VISIBLE BREAK GROUP OPERATED SWITCH DETAILS



Free-standing hot-dipped galvanized steel frame with Lexan viewing window



200 A or 600 A cable-to-air bushings, 25 kV class pressure-molded epoxy bushing



Group-operated loadbreak switch with GPO-3 dielectric barriers



Storage pocket and switch operating handle with stainless-steel access door hardware

BUSHING SCHEMATIC

RECLOSER SWITCHGEAR WITH VISIBLE BREAK GROUP OPERATED SWITCH 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:

- Recloser Group operated loadbreak type.

❖ BUSHING RATINGS:

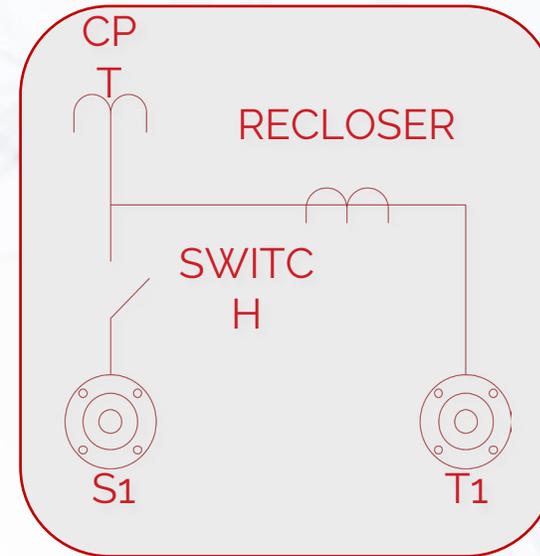
- 600 amp cable to air bushings
- 5kV class pressure-molded epoxy bushings
- Standard for both 15kV and 25kV systems
- 125kV BIL (Basic Insulation Level) rating

❖ Electrical Configuration:

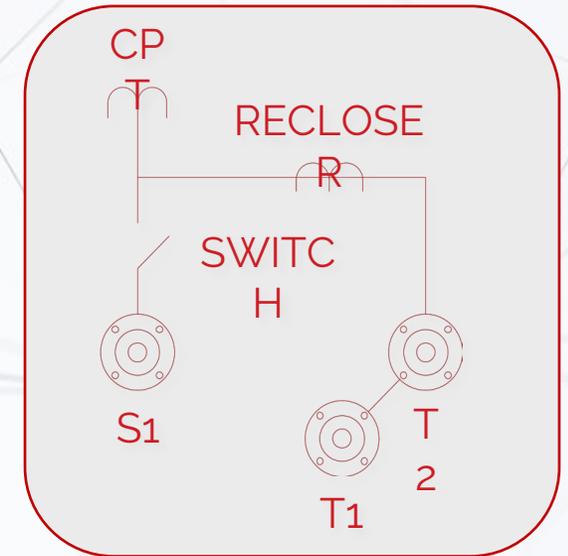
- Three-phase WYE connection.

❖ 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**

RECLOSER SIDE

RECLOSER SWITCHGEAR WITH VISIBLE BREAK GROUP OPERATED SWITCH DETAILS

❖ DESIGN

- Standard outdoor reclosers from multiple manufacturers; three-phase, solid dielectric, vacuum type; rated 15 or 25kV
- Recloser Group operated loadbreak type.
- Control power transformer: 1 KVA, 120 VAC, internal primary weak-link fuse, and secondary fuse
- Clear Lexan inner door on recloser side only

❖ 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

❖ BUS & CONDUCTORS:

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

❖ WIRING & CONDUIT:

- 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 and is compliance with IEEE C57.12.28 and IEEE C57.12.29 (Pad-Mounted Equipment Enclosure)

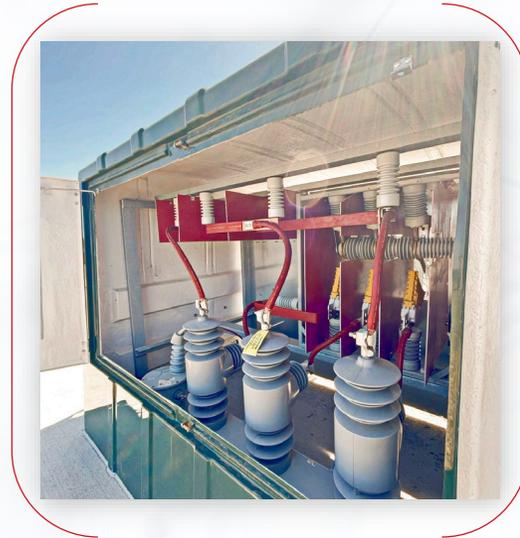


RECLOSER SIDE FEATURES

RECLOSER SWITCHGEAR WITH VISIBLE BREAK GROUP OPERATED SWITCH FEATURES



- Three-phase, electronically controlled, vacuum-interrupting automatic circuit recloser
- 1 kVA control power transformer



- Recloser connected to switch and copper bus using flexible copper wire
- Heat shrink insulation on all bus work; 25 kV rated



Clear Lexan inner door on recloser side only



Recloser Control Module installed on the enclosure

RECLOSER SWITCHGEAR

PRODUCT HIGHLIGHTS

❖ 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
- Free-standing, hot-dipped galvanized steel frame

❖ DESIGN

- Standard outdoor reclosers from multiple manufacturers; three-phase, solid dielectric, vacuum type; rated 15 or 25 kV
- 1 KVA, 120 VAC control power transformer, internal primary weak-link fuse, and secondary fuse
- 600 A Cable-to-air type per IEEE STD 386

❖ WIRING:

- Secondary wiring and color coding per customer specification

Contact our sales department if you have special requirements.

ORDER KEY

PS4-86-4584-L4-MG

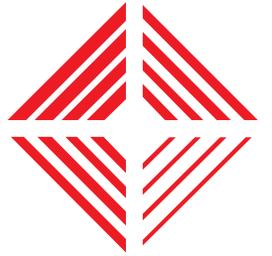


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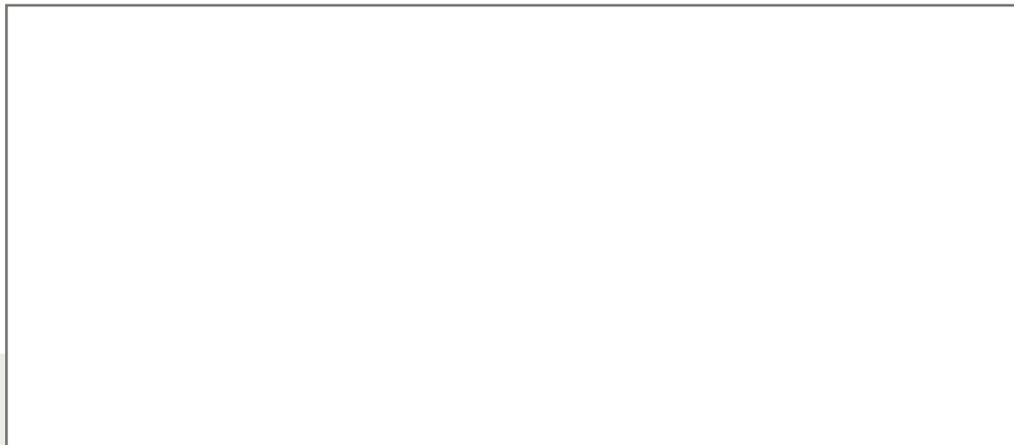
Refer to pad mount recloser switchgear drawings for equipment dimensions & location, pad & anchor bolt dimensions

THANK YOU

**POWER
DESIGN
INC.**



SALES REPRESENTATIVE



PO Box 147
Odell OR 97044
541-354-3222

sales@powerdesigninc.com