46 kV – 69 kV Transmission Sidebreak Switches

- Unitized Construction: Steel or Fiberglass Crossarms
- Factory Adjusted, Ready to Mount
- Reverse Loop, Silver Plated Copper Jaw Contacts
- Tinned Copper Two-hole and Four-hole Terminal Pads
- Maintenance-free, Sealed, Stainless Steel Ball Bearings
- All Ferrous Components Are Hot Dip Galvanized
- Meets or Exceeds All Applicable NEMA, IEEE, ANSI, and IEC Standards

The LineBOSS™ 48 kV – 72.5 kV sidebreak switches are the lowest “cost to own” switches available today. The actual configuration is delivered fully unitized and modularized for fast, simple and easy field installation. INERTIA switches are hung on the pole in hours, not days. Unbalanced conductor load or seasonal temperature changes can create line sag leading to contact misalignment on other style switches; this maintenance headache is eliminated by the LineBOSS™ sidebreak switch. INERTIA's LineBOSS™ sidebreak switches low maintenance design ensures reliable performance for years to come.

ArmorGalv® coated ferrous components available for increased corrosion resistance.

**Specifications:**

- **Voltage Class:** 46 kV (48 kV Max.)
  - 69 kV (72.5 kV Max.)
- **Continuous Current Class:** 600, 900, 1200 Amps
- **Momentary Current:**
  - 600 A: 40,000 A rms, 10 cycles
  - 25,000 A rms, 3 seconds
  - 900 A: 51,000 A rms, 10 cycles
  - 32,000 A rms, 3 seconds
  - 1200 A: 70,000 A rms, 10 cycles
  - 44,000 A rms, 3 seconds

**Configurations:**

- Horizontal Upright
- Horizontal Center Mount
- Vertical Phase over Phase
- Riser Switch
- In-Line Tap
- Tap switch 1, 2, 3, 4 way
- Triangle
- Horizontal Pole Top
- Vertical Twin Circuit
- Delta (1L, 2R)
- Vertical Tiered Outboard
- Tiered Outboard
- Avian/Wildlife Protection

**Options:**

- **Insulator Type:** Silicone or Porcelain
- **Control Options:** Reciprocating, Torsional
- **Motorized Control:** MSO, MSO-SEL
- **Loadbreak Device:**
  - ArcHorn
  - ArcWhip™
  - High Speed Break, HSB
  - High Speed Sectionalizer
  - Vacuum Interrupter V, V2, & V3

To order or request additional product information please contact us at: 800-791-9997 or sales@inertiaworks.com
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Selection Guide:

**LineBOSS™ Unitized Sidebreak Switch**

**ARMORGLAY®** = LT

**Voltage Class:**
- 48.0 kV (250 kV BIL) = 4
- 72.5 kV (350 kV BIL) = 6

**Current Rating:**
- 600 A = 6
- 900 A = 9
- 1200 A = 1

**Insulator Type:**
- Polymeric Silicone = S
- Porcelain = P

For increase insulator creepage:
Add “1” for +1 voltage class

**Interrupter Type:**
- Arc Horn = A
- Arc Whip, Quick-break = Q
- High Speed Whip = GH
- Sectionalizer = GV

**Vacuum:**
- 15.5 - 38.0 kV = V
- 48 kV = V4
- 72.5 kV = V7

**No Interrupter** = X

**Crossarm Type:**
- Galv. Steel = S
- No Xarm = X

Customer specified loading (call factory).

**Mounting Configuration:**
- Vertical (Tiered Outboard) = B
- Horizontal Center Mount = C
- Delta (Pole Top) = D
- Horizontal Upright = H
- Vertical (Inline) = L
- Riser = R
- Twin Circuit = T
- Underarm Horizontal = U
- Vertical (Phase over Phase) = V
- Tap Switch 1-way = 1W
- 2-way = 2W
- 3-way = 3W

*Note: Not all configurations are possible. Some design limitations may apply, Torsional control mechanisms are not available in all configurations. Please contact us to see if your specific design configuration(s) is available.

**Control Red Type:**
Reciprocating (C6) = 1
1 3/4" square fiberglass = 1
1" galvanized pipe = 4
Torsional (C) = 6
1 1/2" galvanized pipe = 6

**Control Location:**
Specify the quadrant by number, where the control is to be located:
See Control Options Chart.

**Control Mechanism:**
- Reciprocating handle (C6) = 1
- Torsional handle (C) = 2
- Motorized Operator = M

**Standard Configurations:**

- Horizontal Upright
- Horizontal Center Mount
- Twin Circuit
- Vertical Phase Over Phase
- Vertical Tiered Outboard

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