15 kV – 38 kV Distribution Sidebreak Switches

- Factory Adjusted, Ready to Mount
- Resilient, Higher BIL Silicone Rubber Insulators
- Reverse Loop, Silver Plated Copper Jaw Contacts
- Tinned Copper Terminal Pads
- Maintenance-free, Sealed, Stainless Steel Ball Bearings
- Unitized Construction: Aluminum, Steel or Fiberglass Crossarm
- All Ferrous Components Are Hot Dip Galvanized
- Meets or Exceeds All Applicable NEMA, IEEE, ANSI, and IEC Standards

*The INERTIA Engineering portfolio of LineBOSS™ sidebreak switches is the most robust in the industry.*

Designed for quality, the LineBOSS™ sidebreak switch features a 1/4” steel phase base, stainless steel to brass bearings, silver plated copper reverse loop contacts, and busbar blades for smooth and efficient operation even in the most demanding hostile environments where dust, humidity, corrosives and other industrial or natural contaminants play havoc with most equipment. Every LineBOSS™ component brings meaningful operator benefits for years to come. Inertia’s American made switchgear products offer a cost effect solution; you’ll be amazed with how much switch you can buy for the money.

*ArmorGalv® Coated Ferrous Components Available for Increased Corrosion Resistance.*

**Specifications:**

- **Voltage Class:** 15.5 kV, 25.8 kV, 38 kV
- **Continuous Current Class:** 600, 900, 1200 Amps
- **Fault Close:** 15kA rms-asym: 5 x manual operations 20kA rms-asym: 3 x manual operations 30kA rms-asym: 2 x manual operations
- **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

- **Ice breaking:** 3/4” (manual operation)
- **Mechanical:** 5000 cycles (open/close)

**Configurations:**

- Horizontal Upright
- Horizontal Center Mount
- Horizontal Underarm
- Avian/Wildlife Protection
- Riser Switch
- Vertical Phase over Phase
- Tap switch 1,2,3 way
- Triangle Pole Top
- Vertical Tiered Outboard
- Twin Tap Riser
  - Pole Mounted
  - Substation

**Options:**

- **Insulator Type:** Silicone or Porcelain
- **Control Options:** Hook-Stick Reciprocating Torsional
- **Motorized Control:** MSO, MSO-SEL
- **Loadbreak Device:**
  - ArcWhip™
  - AmpRupter™
  - AmpVac™
  - Vacuum Interrupter

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

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ISO 9001:2015
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Made in USA
SAL-2016 REV. 07
**15 kV – 38 kV Distribution Sidebreak Switches**

**Selection Guide:**

**LineBOSS™ Utilized Sidebreak Switch**

**L16SLSH1123**

- **Control Rod Length:**
  - 30 feet (standard) = 3
  - Specify (10' Sections) = __
  - See Options Chart For Insulated Section.

- **Control Rod Type:**
  - Reciprocating (60°)
  - 1/2" square fiberglass = 1
  - 1" round fiberglass = 2
  - 3/4" galvanized pipe = 3
  - 1" galvanized pipe = 4
  - Torsional (1/2")
  - 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 (60°) = 1
  - Torsional handle (1/2") = 2
  - Hookstick bellcrank = 3
  - Motorized Operator = M

- **Crossarm Type:**
  - Aluminum = A
  - Fiberglass (60°) = F
  - Galv. Steel = S
  - No Xarm = X
  - Customer specified loading (call factory)

- **Interrupter Type:**
  - ArcWhip, Quick-break = Q
  - Amprupter, Loadbreak = L
  - AmpVac, Vacuum = V
  - NO Interrupter = X

- **Insulator Type:**
  - Polymeric Silicone (3.0" BC) = S
  - Porcelain (3.2" BC) = P
  - For increased insulator creepage:
    - Add "1" for +1 voltage class
    - Add "2" for +2 voltage class

- **Mounting Configuration:**
  - Vertical (Tiered Outboard) = B
  - Horizontal Center Mount = C
  - Delta (Pole Top) = D
  - Vertical 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
  - Add "S" for Substation H-Frame (See Substation H-Frame Chart)

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**Standard Configurations:**

- **Horizontal Upright**
- **Vertical (Phase over Phase)**
- **Horizontal Underarm**
- **Vertical (Tiered Outboard)**

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

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