

## 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@macleanpower.com](mailto:sales@macleanpower.com)**

## 15 kV – 38 kV Distribution Sidebreak Switches Selection Guide:

**LineBOSS™ Unitized Sidebreak Switch** → **L16SLSH1123**  
ARMORGALV® = LT

**Voltage Class:** 15.5 kV (110 kV BIL) = 1  
25.8 kV (150 kV BIL) = 2  
38.0 kV (200 kV BIL) = 3

**Current Rating:** 600 A = 6  
900 A<sup>1</sup> = 6  
900 A<sup>2</sup> = 9  
1200 A = 1

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

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

**Grossarm Type:**  
Aluminum = A  
Fiberglass = F  
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<sup>3</sup> = U  
Vertical (Phase over Phase) = V  
Tap Switch<sup>4</sup>: 1-way = 1W  
2-way = 2W  
3-way = 3W  
Add "G" for 36" Climbing Space  
Add "S" for Substation (H-Frame) See Substation/H-Frame Chart.

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

**Control Rod Type:**  
**Reciprocating** (↕) = 1  
1 3/4" square fiberglass = 1  
1" round fiberglass = 2  
3/4" galvanized pipe = 3  
1" galvanized pipe = 4  
**Torsional** (↷) = 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.

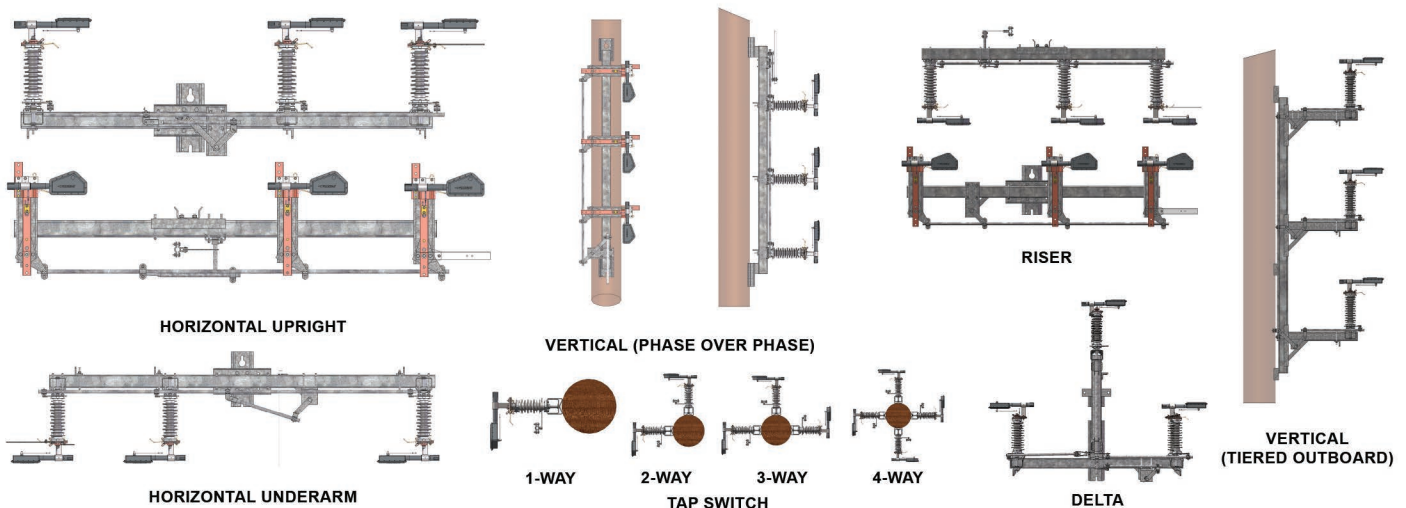
**Control Mechanism:**  
Reciprocating handle (↕) = 1  
Torsional handle (↷) = 2  
Hookstick bellcrank = 3  
Motorized Operator = M

<sup>1</sup> 900 A (Temp Rise: 30°C Momentary: 40 kA)  
<sup>2</sup> 900 A (Temp Rise: 30°C Momentary: 51 kA ANSI)  
<sup>3</sup> Avian Protection.  
<sup>4</sup> Consult Factory for Unitized Switch.

\*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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## Standard Configurations:



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