TYPE BILT
DISCONNECT SWITCHES

OUTDOOR HOOKSTICK OPERATED (DISTRIBUTION CLASS)

- For sectionalizing and tap applications
- 7.5KV through 38KV
- 900A -- 40,000A momentary
- Furnished with hooks for loadbreak tool
- Used on armless or crossarm line construction

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FEATURES OF THE TYPE BILT
DISCONNECT SWITCH

- Eliminates insulator in tension.
- Furnished with hooks for use with portable loadbreak tool.
- Light-compact-easy to install.
- Structural members are aluminum.
- Tinned 2-hole NEMA terminal pads.
- Switch furnished with 2-1/4" bolt circle insulators.
- Smooth, simple latch action - ease and certainty of operation.
- All switch current carrying parts of hard-drawn copper, cast copper, or high conductivity bronze.
- Truss-type blade design for extra strength.
- Double-tongue contact - extra contact surface.
- All contacts silver plated.

The Royal BILT switch was designed to meet increasing demands for unobtrusive overhead distribution line construction. It is a compact switch for mounting directly in the line or on a single pole top insulator. It has the special feature of not placing the insulator in tension.

Applications of the BILT switch are for sectionalizing or tapping distribution lines from 7.5kV through 38kV. Current ratings are 900 amperes continuous, 40,000 amperes momentary.

Installation of the BILT switch is simple. For a feeder tap, the conductor fastens directly to the switch base. For sectionalizing, a suspension insulator is used at one end of the switch. The switch may be dead-ended at a pole-top insulator by means of an extension link.

Configurations typically used for sectionalizing and for feeder taps are shown below.
TYPE BILT DISCONNECT SWITCH

NOTES:
1. Type “ARB” connectors shown and when specified, should be appended to catalog number as “-ARB.”
2. Standard bases are shown. Custom bases available upon request.
3. Porcelain insulators shown. Cycloaliphatic epoxy and polymer insulators are available.
4. Terminal connector options shown on page 5.

<table>
<thead>
<tr>
<th>CATALOG NO.</th>
<th>RATINGS</th>
<th>INSULATOR</th>
<th>DIMENSIONS (IN)</th>
<th>Weight (Lbs.)</th>
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<tbody>
<tr>
<td></td>
<td>KV NOM. (MAX.)</td>
<td>CURRENT CONT. (A)</td>
<td>BOLT CIRCLE</td>
<td>A</td>
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<td>150 2 1/4&quot;</td>
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<td>900</td>
<td>150 2 1/4&quot;</td>
<td>30 5/8</td>
</tr>
</tbody>
</table>
TYPE BILT DISCONNECT SWITCH

- Supplied with adapters for using wedge connectors to attach switch to overhead conductor.
- Can be installed on existing span without cutting conductor.

Welded Base

Bolted Base

<table>
<thead>
<tr>
<th>CATALOG NO.</th>
<th>WITH WEDGE ADAPT.</th>
<th>RATINGS</th>
<th>INSULATOR</th>
<th>DIMENSIONS (IN)</th>
<th>Weight (Lbs.)</th>
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<td></td>
<td>1/2&quot; DIA. 4/0 EQUIV.</td>
<td>3/4&quot; DIA. 477kcmil EQUIV.</td>
<td>KV NOM. (MAX.)</td>
<td>CURRENT CONT. (A)</td>
<td>BIL kV</td>
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<td>WELDED</td>
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<td>20359</td>
<td>-50AH</td>
<td>-75AH</td>
<td>15 (15.5)</td>
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<tr>
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<td>20360</td>
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NOTES:
1. Ordering example - A 15kV, 110kV BIL switch with 1/2” diameter wedge adapters is catalog number 20217-50AH.
2. Porcelain insulators shown. Cycloaliphatic epoxy and polymer insulators are available.
3. Terminal connector options shown on page 5.
TYPE BILT DISCONNECT SWITCH - TERMINAL OPTIONS

- **TINNED TERMINAL**
  - **BARE COPPER TERMINAL**

- **CAPTIVE HARDWARE** includes (2) SS BOLT, (2) SS FLAT WASHERS, (2) SS LOCK WASHERS, & (2) SS NUTS per terminal contained with recessed NYLON WASHERS for one wrench installation of connectors.

- **TYPE "CFC-740-2N" ALUMINUM COMPRESSION CONNECTOR**
  - WITH ATTACHING HARDWARE
  - CABLE RANGE: 300 ACSR - 397.5 ACSR

- **HOTLINE CLAMP WITH ATTACHING HARDWARE**

- **TYPE "ARB" TINNED ALUMINUM CONNECTOR**
  - WITH ATTACHING HARDWARE
  - CABLE RANGE: #2 SOLID - 556.5 AAC

- **TYPE "RWE-13604" TINNED TERMINAL CONNECTOR**
  - WITH ATTACHING HARDWARE
  - CABLE RANGE: 1/0 SOLID - 500 MCM CU

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