Single-phase overhead distribution switches
Enhanced design for every application

Lightweight ABB switches provide ease and safety for transport and installation, as well as reliability over the product lifetime by not carrying current in the lower hinge.

Key product features
- Complete portfolio for distribution applications
- Lightweight design
- Lower hinge does not carry current
- Corrosion-resistant loadbreak hook
- RUS certified

Benefits
- Simple integration
  - Unlike traditional switches that are made of cast iron and very heavy, ABB switches are 20-40% lighter and easy for personnel to handle and install
  - Operating the switch with a hot stick is easier with a larger window design
  - With a small tab on the bottom of the switch, personnel can locate the hot stick at the bottom of the latch and push to close, eliminating the need to insert the hot stick on the internal profile
  - Full switch portfolio, including loadbreak options and cross arm frames for streamlined installation
- Unparalleled reliability
  - By not carrying current through the hinge, ABB switches eliminate hot spots for potential welding in hinges.
  - Advanced design ensures the switch will open as needed, even after significant exposure in highly contaminated environments.
  - Anti-corrosion materials ideal for the harshest environments
Solutions

01 Capacitor bank isolation
02 Recloser by-pass three-phase cross arm
03 Line isolation

Technical data

<table>
<thead>
<tr>
<th>Type</th>
<th>RBD</th>
<th>DCD</th>
<th>SID</th>
<th>LSID</th>
<th>ITD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated max voltage (kV)</td>
<td>15/27/38</td>
<td>15/27/38</td>
<td>15/27/38</td>
<td>15/27</td>
<td>15/27/38</td>
</tr>
<tr>
<td>Rated continuous current (A)</td>
<td>600/900</td>
<td>600/900</td>
<td>600/900</td>
<td>600/900</td>
<td>600/900</td>
</tr>
<tr>
<td>Peak withstand current (kA)</td>
<td>65</td>
<td>65</td>
<td>65</td>
<td>65</td>
<td>60°/160°</td>
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<tr>
<td>Rated lightning impulse withstand (BIL) (kV)</td>
<td>110/125/150</td>
<td>110/125/150</td>
<td>110/125/150/170</td>
<td>110/125/150</td>
<td>150/200</td>
</tr>
<tr>
<td>Insulator material options</td>
<td>Silicone/porcelain</td>
<td>Silicone/porcelain</td>
<td>Silicone/porcelain/polymer concrete</td>
<td>Silicone/porcelain/polymer concrete</td>
<td>Silicone</td>
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<tr>
<td>Blade stop</td>
<td>No stop/90°/160°</td>
<td>No stop/90°/160°</td>
<td>No stop/90°/160°</td>
<td>No stop/90°/160°</td>
<td>60°/160°</td>
</tr>
</tbody>
</table>

* Loadbreaking current

ABB offers a complete apparatus portfolio:

- Three-phase GridShield® recloser
- Interchangeable cutout (ICX)
- DistribuSense® sensors (WLS-110, LVS, VLS-110)
- Instrument transformers (VGG-15R)