AX1 Mobile
Air-insulated switchgear

- **Safe**
  - Active arc eliminator – eliminates open arcs
  - Main-circuit-encapsulated – all live parts inaccessible also with open doors
  - Sliding doors – no obstructions

- **Intelligent**
  - Computer in each panel
  - Continuous condition monitoring – eliminates the need for periodical inspection
  - Electrical interlocking

- **Reliable**
  - Tubular busbars with spring contacts – give a robust mechanical design
  - High degree of protection against external environment
  - Vibration- and earthquake-tested

- **Cost-effective**
  - Mobile – AX1 including battery system, relay and control equipment delivered in a standard container
  - No pressure relief necessary
  - Low maintenance costs

- **Environmentally friendly**
  - Half the environmental load according to LCA
  - Modularized for recycling of the materials
Technical data

<table>
<thead>
<tr>
<th>Enclosure type</th>
<th>main-circuit-encapsulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated voltage [kV]</td>
<td>12</td>
</tr>
<tr>
<td>Rated current [A]</td>
<td>3150</td>
</tr>
<tr>
<td>Insulation level [kV]</td>
<td>125</td>
</tr>
<tr>
<td>Short-time current [kA/s]</td>
<td>40/3</td>
</tr>
<tr>
<td>Open arc tested [kA/s]</td>
<td>40/1</td>
</tr>
<tr>
<td>Tested according to</td>
<td>IEC</td>
</tr>
</tbody>
</table>

Dimensions

| Height [mm] | 2040/2240 with lower frame 600/800 |
| Width [mm] | 650/975 |
| Depth [mm] | 1050 |

Panel design

1 Main-circuit enclosure
   a Tubular busbars
   b Switching devices
2 Operating enclosure
   c Bay computer
3 Lower frame
   d Cable connectors (1 250 A)

Container design

<table>
<thead>
<tr>
<th>Container size</th>
<th>L [m]</th>
<th>W [m]</th>
</tr>
</thead>
<tbody>
<tr>
<td>20&quot;</td>
<td>6.1</td>
<td>2.4</td>
</tr>
<tr>
<td>40&quot;</td>
<td>12.2</td>
<td>2.4</td>
</tr>
</tbody>
</table>

The 20" container has space for 7 feeder panels + 1 support panel.
The 40" container has space for 14 feeder panels + 1 support panel.
Space between panel fronts and container wall = 1140 mm.

Panel types

Support panel

Incoming feeder circuit-breaker

Outgoing feeder circuit-breaker

Outgoing feeder disconnector

Sectionalizing panel

Due to the continuous development of Standards and materials, the specifications and dimensions in this catalogue may only be considered binding upon confirmation by ABB Power Technology Products.