Each panel consists of a single unit that is equipped with circuit-breaker or contactor and two line-disconnectors, one for each busbar, as well as with all the accessories available for the conventional units of the switchgear. Each panel is provided with a cubicle to take the auxiliary instrumentation, placed in the upper part. There is the possibility to extend the switchgear on both ends without putting out of service the switchgear itself. All the service operations are carried out from the front. All the significant components are identical to those used for the single and double level units and therefore the same service and maintenance procedures are guaranteed.

**Range**
- 12-17.5 kV, 4000 A, 31.5 kA
- 24 kV, 2500 A, 25 kA
- Standard IEC
- Highly customized versions

**Flexibility**
- Wide applications
- Vacuum and SF6 circuit-breaker
- Vacuum contactor
- Traditional CT/VT and sensors
- Free-standing solution

**Safety**
- Fitted with safety interlocks
- Internal arc classification IAC AFLR
- Classified LSC-2B, PM
- CB racking with closed door

**Quality**
- ABB quality
- Large installed base
- Installed in high number of Countries

**Design includes**
- Protection and control
- Earthing switch
- Bay computer
### Technical data

<table>
<thead>
<tr>
<th>Switchgear</th>
<th>UniGear 12</th>
<th>UniGear 17.5</th>
<th>UniGear 24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of construction - Internal Arc Classification</td>
<td>IAC AFLR</td>
<td>IAC AFLR</td>
<td>IAC AFLR</td>
</tr>
<tr>
<td>Rated voltage [kV]</td>
<td>12</td>
<td>17.5</td>
<td>24</td>
</tr>
<tr>
<td>Insulation levels / power frequency / lightning impulse [kV]</td>
<td>12 / 28 / 75</td>
<td>17.5 / 38 / 95</td>
<td>24 / 50 / 125</td>
</tr>
<tr>
<td>Rated frequency [Hz]</td>
<td>50-60</td>
<td>50-60</td>
<td>50-60</td>
</tr>
<tr>
<td>Rated main busbar current (40 °C) [A]</td>
<td>... 4000</td>
<td>... 4000</td>
<td>... 2500</td>
</tr>
<tr>
<td>Rated feeder current (40 °C) [A]</td>
<td>... 4000</td>
<td>... 4000</td>
<td>... 2500</td>
</tr>
<tr>
<td>Rated short-time current [kA x 3 s]</td>
<td>... 31.5</td>
<td>... 31.5</td>
<td>... 25</td>
</tr>
<tr>
<td>Arc proof withstand current (IEC 62271-200) [kA x 1 s]</td>
<td>... 31.5</td>
<td>... 31.5</td>
<td>... 25</td>
</tr>
<tr>
<td>Tested according to</td>
<td>IEC</td>
<td>IEC</td>
<td>IEC</td>
</tr>
<tr>
<td>Overall dimensions of the basic cubicle</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H [mm]</td>
<td>2200 ... 2700 *)</td>
<td>2200 ... 2700 *)</td>
<td>2400 ... 3000 *)</td>
</tr>
<tr>
<td>W [mm]</td>
<td>650 / 800 / 1000</td>
<td>650 / 800 / 1000</td>
<td>800 / 1000</td>
</tr>
<tr>
<td>D [mm]</td>
<td>2021</td>
<td>2021</td>
<td>2570</td>
</tr>
</tbody>
</table>

*) Height with standard gas duct

### Single-line diagram of typical units

![Single-line diagram of typical units](image)

### Typical feeder unit

![Typical feeder unit](image)

**Key to components**
- Standard components
- Accessories

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