ZX0 Air is the eco-efficient alternative to the proven ZX0 switchgear. By using dry air instead of SF\textsubscript{6} as insulation gas, the eco-efficient ZX0 Air combines the known GIS compactness, safety and reliability with zero global warming potential of the insulating gas.

12 kV single busbar system for power transformation and distribution systems with eco-efficient solution, ZX0 Air with its high current carrying capacity of 1250 A for incoming feeders, busbars and sectionalizers offers now the use of voltages up to 12 kV.

- The eco-efficient solution, without greenhouse effect
- Same compactness and low-pressure design
- Keeping all known GIS advantages
- Based on proven and reliable product
- Avoiding regulations for SF\textsubscript{6}
- Safety

**The eco-efficient solution, without greenhouse effect**
- Using dry air as insulating medium, the real eco-efficient solution
- Global warming potential of insulating gas=0

**Modular design, wide application**
- Single busbar system, every gas tank has a independent barometer
- CT and VT can be installed on busbar side or cable side
- Free-standing installation or wall-installation

**Safety**
- All high voltage parts are shockproof encapsulated, very low fault rate causes by independency of ambient conditions
- Approved internal arc classification: 25 kA/1 s, IAC AFLR

**High quality components, high reliability and long life-cycle**
- ABB famous VD4 series vacuum circuit-breaker, imported vacuum interrupter
- Gas tank: stainless steel material, welding by ABB robot
- The epoxy resin material with higher glass state temperature

**Easy installation and maintenance**
- Panels coupled by plug-in busbar connectors without SF\textsubscript{6} gas work on site
- In spite of low fault rate a fast repair is possible
Technical data

<table>
<thead>
<tr>
<th>ZX0 Air</th>
<th>12 kV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated voltage</td>
<td>[kV]</td>
</tr>
<tr>
<td>Rated power frequency withstand voltage</td>
<td>[kV]</td>
</tr>
<tr>
<td>Rated lightning impulse withstand voltage</td>
<td>[Hz]</td>
</tr>
<tr>
<td>Rated normal current</td>
<td>[A]</td>
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<tr>
<td>Rated short-time withstand current</td>
<td>[kAx4 s]</td>
</tr>
<tr>
<td>Rated short-circuit making current</td>
<td>[kA]</td>
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<tr>
<td>Internal arc classification</td>
<td>[kAx1 s]</td>
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<tr>
<td>Testing standard</td>
<td>IEC/GB</td>
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<tr>
<td>Basic dimensions</td>
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</tr>
<tr>
<td></td>
<td>W (mm)</td>
</tr>
<tr>
<td></td>
<td>D (mm)</td>
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</tbody>
</table>

Typical single line diagram

Incoming/Feeder

Cable con

Bus tie

Riser

Section view

1 Combined protection and control device
2 Capacitive voltage indicator system
3 Operating mechanism for three position disconnector
4 Circuit-breaker operating mechanism
5 Cable connector
6 Current transformer
7 Voltage transformer
8 Isolating system for voltage transformer
9 Pressure relief disk
10 Outer cone bushing
11 Circuit-breaker pole
12 Three-position disconnecter
13 Busbar system

Dry air

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