Gas-insulated switchgear
Type ZX0.2
Gas-insulated switchgear

Medium voltage switchgear

Type ZX0.2

Single busbar systems
12 kV, ...2500 A, ...31.5 kA
24 kV, ...2500 A, ...31.5 kA
36 kV, ...2500 A, ...31.5 kA
Gas-insulated switchgear
Medium voltage switchgear

**Type ZX0.2**

With IAC classification
AFL 31.5 kA 1s
AFLR 31.5 kA 1s

<table>
<thead>
<tr>
<th></th>
<th>12</th>
<th>24</th>
<th>36</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated voltage (kV)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rated current of busbars (A)</td>
<td>2500</td>
<td>2500</td>
<td>2500</td>
</tr>
<tr>
<td>Rated current of tee-offs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>with circuit-breaker (A)</td>
<td>2500</td>
<td>2500</td>
<td>2500</td>
</tr>
<tr>
<td>with fuse-disconnector / fuse combination (A)</td>
<td>80</td>
<td>63</td>
<td></td>
</tr>
<tr>
<td>Rated short-circuit breaking current (kA)</td>
<td>31.5</td>
<td>31.5</td>
<td>31.5</td>
</tr>
<tr>
<td>Width (mm)</td>
<td>450 / 600 / 1200 1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Height (mm)</td>
<td>2400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth (mm)</td>
<td>1330</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1) Dependent on current
Gas-insulated switchgear
ZX0 individually partitioned for extended application range

Type ZX0.2

- Up to 36 kV rated voltage
- Currents up to 2500 A for busbars and incoming feeders
- Short-circuit currents up to 31.5 kA for all voltage levels
- Local manual operation of all switching devices
  - Optionally also with remote control
- Suitable for any protection or control device
- Replacement of a panel in the row without gas work
Gas-insulated switchgear

Medium voltage switchgear

Type ZX0.2 Circuit-breaker panel 1250 A

1. Removable low voltage compartment
2. Three position disconnector operating mechanism
3. Mechanism bay with operator controls
4. Circuit-breaker operating mechanism
5. Cable connector
6. Window-type current transformer
7. Bushing with outer cone
8. Isolatable voltage transformer on the cable
9. Pressure relief disk
10. Vacuum circuit-breaker
11. Three position disconnector
12. Busbars
13. Plug-in busbar voltage transformers

$\text{SF}_6$
Gas-insulated switchgear

Panel variant

Type ZX0.2 Circuit-breaker panel 630 A

- Up to 24 kV
Gas-insulated switchgear

Panel variants

Type ZX0.2 Circuit-breaker panel 630 A / 1250 A
- For all voltages

Type ZX0.2 Cable termination panel 630 A / 1250 A
Gas-insulated switchgear

Panel variants

Type ZX0.2 Circuit-breaker panel 2500 A

- Similarly for
  - 1600 A
  - 2000 A

Type ZX0.2 Cable termination panel 2000 A

- Similarly for
  - 1600 A
  - 2000 A
Gas-insulated switchgear

Panel variants

**Type ZX0.2 Sectionalizer / Riser 1250 A**

**Type ZX0.2 Sectionalizer / Riser 2000 A**

- Similarly for
  - 1600 A
  - 2000 A
Gas-insulated switchgear

Panel variant

Type ZX0.2 Switch-disconnector panel with fuses

- Up to 24 kV
Gas-insulated switchgear

Medium voltage switchgear

Type ZX0.2 Advantages

- Partitioned function compartments → maximum safety
- Completely shockproof arrangement
- High voltage section totally independent of environmental influences
- Maximum availability for the operator
- Independence of the environment makes for extremely long system life
- Minimum maintenance requirement
- Longer life than other system types