NXAIR medium-voltage switchgear up to 17.5 kV, up to 40 kA provides the user with a platform upon which to build a reliable electrical network. With more than 450,000 air-insulated panels installed worldwide, the product is continuously enhanced to integrate market-driven requirements in order to meet your needs. This guarantees safety in all respects – today and in the future.

With a worldwide network, and the exchange of solutions and the best practice, we ensure that experts from the region nearest to you are available to support you with NXAIR.

NXAIR offers maximum personal safety through the internal arc classification IAC A FLR up to 40 kA, 1 s, maximum availability through the loss of service continuity category LSC 2B, as well as maximum reliability through the partition class PM.

NXAIR is completely type-tested according to IEC 62271-200. The switchgear ratings are partly beyond the requirements of the IEC standards.

NXAIR stands for maximum operational and personal safety, highest reliability, and operator friendliness. Thanks to its compact dimensions, minimum use of components requiring maintenance, and its simple and reliable operating mechanisms, NXAIR is real value for money, as life cycle cost calculations show.

Your benefits
- Saves lives
- Saves money
- Ensures peace of mind
- Increases productivity
- Preserves the environment
Technical features

- Factory-assembled, type-tested switchgear according to IEC 62271-200
- Loss of service continuity category LSC 2B
- Partition class PM (metal-clad)
- Internal arc classified switchgear according to IAC A FLR for an arc duration of 1 s
- Confinement of an internal arc to the respective compartment (pressure-resistant partitions), beyond the specifications of the standard (up to 31.5 kA)
- Compact design
- All operations only with high-voltage door closed
- Unambiguous position indicators and control elements as standard on the high-voltage door
- Use of maintenance-free vacuum circuit-breakers or vacuum contactors
- Type testing of earthing switch, vacuum circuit-breaker or vacuum contactor in the panel
- Cable testing without isolating the busbar

Technical data of NXAIR up to 17.5 kV, up to 40 kA

<table>
<thead>
<tr>
<th>Rated values</th>
<th>Rated voltage kV</th>
<th>≤ 12</th>
<th>17.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated frequency Hz</td>
<td>50/60</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rated short-duration power-frequency withstand voltage kV</td>
<td>28 1)</td>
<td></td>
<td>38</td>
</tr>
<tr>
<td>Rated lightning impulse withstand voltage kV</td>
<td>75</td>
<td></td>
<td>95</td>
</tr>
<tr>
<td>Rated short-circuit breaking current kA</td>
<td>40</td>
<td></td>
<td>40</td>
</tr>
<tr>
<td>Rated short-time withstand current (3s) kA</td>
<td>40</td>
<td></td>
<td>40</td>
</tr>
<tr>
<td>Rated short-circuit making current kA</td>
<td>100/104</td>
<td></td>
<td>100/104</td>
</tr>
<tr>
<td>Rated peak withstand current kA</td>
<td>100/104</td>
<td></td>
<td>100/104</td>
</tr>
<tr>
<td>Rated normal current of busbar A</td>
<td>4000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rated normal current of feeders A</td>
<td>400 2) ≤ 1000</td>
<td>1000/1250/2000</td>
<td>2500/3150/4000</td>
</tr>
<tr>
<td>Width mm</td>
<td>435 600 800 1000</td>
<td>600 800 1000</td>
<td>600 800 1000</td>
</tr>
<tr>
<td>Height mm</td>
<td>2300</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth mm</td>
<td>1400 1350 1350 j1/1500</td>
<td>1350 j1/1500</td>
<td></td>
</tr>
</tbody>
</table>

1) GOST standard: 32 kV at 7.2 kV, 42 kV at 12 kV

Basic panel design

- Circuit-breaker panel
- Disconnecting panel
- Metering panel
- Bus sectionalizer
- Contactor panel
- Busbar connection panel

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