NXAIR M – “Enjoy the Air”
Air-Insulated Medium-Voltage Switchgear

NXAIR medium-voltage switchgear 24 kV up to 25 kA is the clever solution – for the challenges of today and tomorrow.

With ever-increasing population growth, progressive urbanization and industrialization, the demand for electricity is also increasing and medium-voltage grid expansion is facing major challenges all over the world. Modern medium-voltage switchgear must therefore not only be reliable and economical, but also environmentally friendly and sustainable.

The air-insulated medium-voltage switchgear NXAIR M combines high personal and operational safety with excellent profitability. Maximum personal safety is achieved through the internal arc classification IAC A FLR 25 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 M is completely type-tested according to IEC 62271-200. The switchgear ratings are partly beyond the requirements of the IEC standards.

Because of its voltage level, the switchgear NXAIR M is especially suitable for power supply companies, infrastructure and industrial applications.

With its compact design, low maintenance requirements, uncomplicated and reliable technology as well as sustainable production increase, NXAIR M is an investment that pays off throughout its entire life cycle.

Your benefits
• Saves lives
• Saves money
• Ensures peace of mind
• Increases productivity
• Preserves the environment
Technical data of NXAIR M, up to 25 kA

### Rated values

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Rated voltage</td>
<td>kV</td>
<td>24</td>
</tr>
<tr>
<td>Rated frequency</td>
<td>Hz</td>
<td>50/60</td>
</tr>
<tr>
<td>Rated short-duration power-frequency withstand voltage</td>
<td>kV</td>
<td>50 1)</td>
</tr>
<tr>
<td>Rated lightning impulse withstand voltage</td>
<td>kV</td>
<td>125</td>
</tr>
<tr>
<td>Rated short-circuit breaking current</td>
<td>kA</td>
<td>25</td>
</tr>
<tr>
<td>Rated short-time withstand current (3 s)</td>
<td>kA</td>
<td>25</td>
</tr>
<tr>
<td>Rated short-circuit making current</td>
<td>kA</td>
<td>63/65</td>
</tr>
<tr>
<td>Rated peak withstand current</td>
<td>kA</td>
<td>63/65</td>
</tr>
<tr>
<td>Rated normal current of busbar</td>
<td>A</td>
<td>2500</td>
</tr>
<tr>
<td>Rated normal current of feeder</td>
<td>A</td>
<td>800/1000/1250 2000/2500</td>
</tr>
<tr>
<td>Width</td>
<td>mm</td>
<td>800 1000</td>
</tr>
<tr>
<td>Height</td>
<td>mm</td>
<td>2510 2510</td>
</tr>
<tr>
<td>Depth</td>
<td>mm</td>
<td>1600 1600</td>
</tr>
</tbody>
</table>

1) GOST standard: 65 kV

### 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
- 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
- Type testing of earthing switch and vacuum circuit-breaker
- Cable testing without isolating the busbar

### Example for standard circuit-breaker panel

![Example circuit-breaker panel diagram]

### Product range overview
- Circuit-breaker panel
- Disconnector panel
- Metering panel
- Circuit-breaker panel with HV HRC fuse
- Bus sectionalizer
- Busbar connection panel
- Three-position switch-disconnector panel with HV HRC fuse
- Incoming sectionalizer
- Bus coupler

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