**Main**

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range of product</td>
<td>SF</td>
</tr>
<tr>
<td>Product or component type</td>
<td>Circuit-breaker</td>
</tr>
<tr>
<td>Device short name</td>
<td>SF2</td>
</tr>
<tr>
<td>Network type</td>
<td>AC</td>
</tr>
<tr>
<td>Network frequency</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>Rated voltage ( (U_r) )</td>
<td>40.5 kV</td>
</tr>
<tr>
<td>Rated insulation voltage ( (U_{is}) )</td>
<td>85 kV 50 Hz 1 min</td>
</tr>
<tr>
<td></td>
<td>185 kV peak</td>
</tr>
<tr>
<td>Rated current ( (I_r) )</td>
<td>3150 A</td>
</tr>
<tr>
<td>Short circuit breaking current ( (I_{sc}) )</td>
<td>31.5 kA, 25 kA, 40 kA</td>
</tr>
<tr>
<td>Rated short-time withstand current</td>
<td>40 kA for 3 s</td>
</tr>
<tr>
<td>Rated short-circuit making capacity</td>
<td>31.5 kA, 63 kA, 79 kA, 100 kA</td>
</tr>
<tr>
<td>Rated switching sequence</td>
<td>O - 3 min - CO - 3 min - CO</td>
</tr>
<tr>
<td></td>
<td>O - 0.3 sec - CO - 3 min - CO</td>
</tr>
<tr>
<td>([I_u]) rated interrupted current</td>
<td>50 A C2 cable charging:</td>
</tr>
<tr>
<td></td>
<td>2180 A C2 single capacitor bank:</td>
</tr>
<tr>
<td></td>
<td>1500 A C2 back to back capacitor bank:</td>
</tr>
<tr>
<td>Type of mechanism</td>
<td>Spring return, GMH type</td>
</tr>
</tbody>
</table>

**Complementary**

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poles description</td>
<td>3P</td>
</tr>
<tr>
<td>Control type</td>
<td>Push-button</td>
</tr>
<tr>
<td>Mounting mode</td>
<td>Rolling frame, Fixed</td>
</tr>
<tr>
<td>Protection type</td>
<td>Without protection</td>
</tr>
<tr>
<td>Maximum charging time</td>
<td>15 s</td>
</tr>
<tr>
<td>Operating time</td>
<td>&lt; 60 ms</td>
</tr>
<tr>
<td>Maximum breaking time</td>
<td>75 ms</td>
</tr>
<tr>
<td>Maximum closing response time</td>
<td>100 ms</td>
</tr>
<tr>
<td>Mechanical endurance</td>
<td>10000 cycles M2</td>
</tr>
<tr>
<td>----------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>Electrical endurance</td>
<td>E2</td>
</tr>
<tr>
<td>Technology type</td>
<td>SF6 gas</td>
</tr>
</tbody>
</table>

### Environment

<table>
<thead>
<tr>
<th>Pole distance</th>
<th>380 mm input to output</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>300 mm phase to phase</td>
</tr>
<tr>
<td></td>
<td>30 mm phase to earth</td>
</tr>
<tr>
<td></td>
<td>400 mm phase to phase</td>
</tr>
<tr>
<td></td>
<td>457 mm phase to phase</td>
</tr>
<tr>
<td>Height</td>
<td>942 mm</td>
</tr>
<tr>
<td>Width</td>
<td>1100 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>750 mm</td>
</tr>
<tr>
<td>Net weight</td>
<td>227 kg</td>
</tr>
<tr>
<td>Standards</td>
<td>IEC 62271-100:2012</td>
</tr>
<tr>
<td></td>
<td>GOST-R 52565:2006</td>
</tr>
<tr>
<td>Ambient air temperature for storage</td>
<td>-40…70 °C</td>
</tr>
<tr>
<td>Ambient air temperature for operation</td>
<td>-25…40 °C</td>
</tr>
</tbody>
</table>