Pantograph disconnector
type PE

Ur : 123 to 550kV
Ir : 1250 to 4000A
Ik ≤ 63kA - tk : 3s - Ip ≤ 160kA

The pantograph disconnector is characterized by an articulated arm vertical system, making it one of the most compact on site. The disconnector type PE of SDCEM is a solution offering high stability, and adjustment and handling easiness.

Rich of its experience and strong capacity of innovation, SDCEM offers a wide range of disconnectors and switches medium, high and very high voltage, covering all customer needs through effective and adapted solutions.

PERFORMANCE

- Design and tests compliant to IEC and ANSI standards (type test reports available upon request)
- Spring mécanism leading to stabilization of moving parts and low torque operation
  - Seismic withstand : 0,2g*
  - Ice operation : 10mm*
  - Mechanical endurance : 10000 cycles*
  - Small current breaking capacity : 0,5A*

SECURITY

- Compliant to ISO 9001 and ISO 14001 certifications
- Association possible with the solutions of the electrical operating mechanism type MR41E for an optimum operation safety.

FLEXIBILITY

- Brown*, gray or white ceramic insulators ; class 3* or class 4.
- Primary terminals : bare aluminium horizontal terminal pads* and fixed contacts (provided) fixed on busbar*
  - 90° rotating fixed contacts and collar for busbar available in several diameters
- Available with manual operating mechanisms (single-pole) or electrical operating mechanisms, ganged operated or one-pole operated.

SERVICES

- After Sales Service
- Design for special adaptations
- Layout studies
- Installation supervision
- Adjustment on site
- Retrofit

* Standard values. For further inquiries, please consult us.
Pantograph disconnectors type PE

Drawing above represents highest voltage for this device.

<table>
<thead>
<tr>
<th>Rated voltage Ur</th>
<th>Rated current Ir</th>
<th>Short-circuit current (lk - dc:3s)</th>
<th>BIL (kV)</th>
<th>SIL (kV)</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
<th>E (mm)</th>
<th>F (mm)</th>
<th>G (mm)</th>
<th>I (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>123kV</td>
<td>≤ 4000A</td>
<td>≤ 63kA</td>
<td></td>
<td>550</td>
<td>NA</td>
<td>3100</td>
<td>1220</td>
<td>610</td>
<td>820</td>
<td>600</td>
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<tr>
<td>145kV</td>
<td></td>
<td></td>
<td></td>
<td>650</td>
<td>NA</td>
<td>3320</td>
<td>1500</td>
<td>610</td>
<td>940</td>
<td>600</td>
<td>1010</td>
<td>1400</td>
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<tr>
<td>170kV</td>
<td></td>
<td></td>
<td></td>
<td>750</td>
<td>NA</td>
<td>3500</td>
<td>1700</td>
<td>610</td>
<td>1000</td>
<td>600</td>
<td>1010</td>
<td>1600</td>
</tr>
<tr>
<td>245kV</td>
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<td></td>
<td></td>
<td>1050</td>
<td>NA</td>
<td>4170</td>
<td>2300</td>
<td>610</td>
<td>1250</td>
<td>600</td>
<td>1010</td>
<td>2250</td>
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<tr>
<td>300kV</td>
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<td></td>
<td></td>
<td>1050</td>
<td>850</td>
<td>4410</td>
<td>2850</td>
<td>610</td>
<td>1500</td>
<td>700</td>
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<td>2300</td>
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<tr>
<td>362kV</td>
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<td></td>
<td>1175</td>
<td>950</td>
<td>4900</td>
<td>2900</td>
<td>610</td>
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<td>700</td>
<td>1200</td>
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<tr>
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<td>1425</td>
<td>1050</td>
<td>5450</td>
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<td>610</td>
<td>1900</td>
<td>700</td>
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<td>3400</td>
</tr>
<tr>
<td>550kV</td>
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<td></td>
<td></td>
<td>1550</td>
<td>1175</td>
<td>6050</td>
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<td>610</td>
<td>2200</td>
<td>700</td>
<td>1200</td>
<td>3950</td>
</tr>
</tbody>
</table>

Are mentioned above dimensions and maximum values.

Available options

- Fixed contacts (provided) fixed on customer cable
- High busbar terminals by collar of dia. 80, 100, 120, 150 or 200mm
- Vertical bare aluminium pads or cylindrical horizontal tinned copper terminals
- Making and breaking capacity for bus-transfer currents
- Associated earthing switch
- Breaking capacity for capacitive and inductive currents for associated earthing switch

NB: For more information or further inquiries, please consult us.