High Power Switches

Medium Voltage Disconnectors

SAS Range
3.6 kV
4.0 kA DC

- Large isolation air and creepage path
- Self-cleaning blade contacts
- True opening and visible distance
- Rugged anti-torsion construction
- Large customisation with:
  - Manual, motor, pneumatic drives
  - Auxiliary switches, blocking magnets
- According to IEC 62271-102
- Dimensions Fitting

Electrical Characteristics

<table>
<thead>
<tr>
<th>Rated thermal current DC (kA)</th>
<th>RMS 1 sec short-time withstand current (kA)</th>
<th>Rated peak current (kA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>71</td>
<td>177</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dielectric withstand voltage 1 min/50 Hz</th>
<th>Rated impulse withstand voltage BIL</th>
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<tbody>
<tr>
<td>Phase to earth (kV)</td>
<td>Across the isolating distance (kV)</td>
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<tr>
<td>10</td>
<td>12</td>
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</tbody>
</table>

- No-load operation
- Indoor type – only vertical mounting
- Mechanical endurance: ≤ 1kA = 25 000 cycles; >1kA = 50 000 cycles (open / close)
- Maximum temperature withstand at 130° C without damages to the switch
- Electrical contact by contact knives with pressed on hard silver contact rivets and silver-plated electrolytic copper plates
- Small making / breaking capacity (on demand)
- Supporting insulators made of cast epoxy resin (fire classification according to UL94-V1)
Main dimensions

SAS 3.6 kV 4.0 kAmp (DC)

Ferraz Shawmut has it all for defining and offering customized solutions to meet your most specific requirements:
- Adapted drives or control units
- Adapted technical performances (short-circuit current capability, endurance, small load make / break capacity)