Data Sheet
Type 1+2 PV Surge Protector
DS60VGPV/51 series

- Type 1+2 Surge Protector for Photovoltaic
- VG-Technology
- No leakage, no operating currents
- Improved life expectancy
- Impulse currents Iimp/Itotal : 12.5/25 kA @ 10/350µs
- Common and Differential mode protection
- Remote Signaling
- EN 50539-11 compliance
- VDE and OVE approved

Characteristics

<table>
<thead>
<tr>
<th>CITEL Model</th>
<th>DS60VGPV-600G/51</th>
<th>DS60VGPV-1000G/51</th>
<th>DS60VGPV-1500G/51</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Type 1+2 PV surge protector</td>
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</tr>
<tr>
<td>Network</td>
<td>Uocstc PV network 600 Vdc</td>
<td>PV network 1000 Vdc</td>
<td>PV network 1250 Vdc</td>
</tr>
<tr>
<td>Connection mode</td>
<td>+/-/PE</td>
<td>+/-/PE</td>
<td>+/-/PE</td>
</tr>
<tr>
<td>Protection model(s)</td>
<td>CM/DM</td>
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</tr>
<tr>
<td>Max. PV operating voltage</td>
<td>UcPV 720 Vdc</td>
<td>1200 Vdc</td>
<td>1500 Vdc</td>
</tr>
<tr>
<td>Permanent operating current</td>
<td>Ip 1200 Vdc</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Impulse current</td>
<td>Iimp 12.5 kA</td>
<td>25 kA</td>
<td>25 kA</td>
</tr>
<tr>
<td>Protection level CM/DM</td>
<td>2.2/2.8 kV</td>
<td>4.7/5.4 kV</td>
<td>4.7/5.4 kV</td>
</tr>
<tr>
<td>Current withstand short circuit PV</td>
<td>Iscpv 15000 A</td>
<td>15000 A</td>
<td>15000 A</td>
</tr>
</tbody>
</table>

Associated disconnectors
- Thermal disconnector internal
- Fuses without

Mechanical characteristics
- Dimensions see diagram
- Connection to Network screw terminals: 6-35mm²
- Disconnection indicator 1 mechanical indicator
- Remote signaling of disconnection Output on changeover contact – 250 Vac/0.5 A (AC) - 30 Vdc /3 A (DC)
- Mounting Symmetrical rail 35 mm [EN60715]
- Operating temperature -40/+85°C
- Protection rating IP20
- Housing material Thermoplastic UL94-V0
- Standards compliance EN50539-11 / UTE C61740-51
- Certification EAC VDE / OVE / EAC EAC

Part number
- 3963
- 3958
- 3956