Features

- 3-electrode arrester
- Very small size
- Extremely fast response time
- Stable performance over life
- Extremely low capacitance (<1.5pF)
- High insulation resistance

Application

- ADSL/XDSL protection
- Station protection
- Base stations

Electrical specifications

<table>
<thead>
<tr>
<th>Part number</th>
<th>DC Spark-over Voltage (V)</th>
<th>Maximum Impulse Spark-over Voltage 1), 2) (V)</th>
<th>Service Life 3) 8/20μs 10times (KA)</th>
<th>Insulation resistance @ 100Vdc (GΩ)</th>
<th>Capacitance @ 1 MHz (pF)</th>
<th>Marking Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>GDTR3RD6-75</td>
<td>75±30%</td>
<td>600</td>
<td>5</td>
<td>&gt; 1@50Vdc</td>
<td>&lt; 1.5</td>
<td>Blue negative</td>
</tr>
<tr>
<td>GDTR3RD6-90</td>
<td>90±20%</td>
<td>600</td>
<td>5</td>
<td>&gt; 1@50Vdc</td>
<td>&lt; 1.5</td>
<td>Blue negative</td>
</tr>
<tr>
<td>GDTR3RD6-150</td>
<td>150±20%</td>
<td>650</td>
<td>5</td>
<td>&gt; 1</td>
<td>&lt; 1.5</td>
<td>Blue negative</td>
</tr>
<tr>
<td>GDTR3RD6-230</td>
<td>230±20%</td>
<td>700</td>
<td>5</td>
<td>&gt; 1</td>
<td>&lt; 1.5</td>
<td>Blue negative</td>
</tr>
<tr>
<td>GDTR3RD6-350</td>
<td>350±20%</td>
<td>900</td>
<td>5</td>
<td>&gt; 1</td>
<td>&lt; 1.5</td>
<td>Blue negative</td>
</tr>
<tr>
<td>GDTR3RD6-420</td>
<td>420±20%</td>
<td>950</td>
<td>5</td>
<td>&gt; 1</td>
<td>&lt; 1.5</td>
<td>Blue negative</td>
</tr>
<tr>
<td>GDTR3RD6-600</td>
<td>600±20%</td>
<td>1300</td>
<td>5</td>
<td>&gt; 1</td>
<td>&lt; 1.5</td>
<td>Blue negative</td>
</tr>
</tbody>
</table>

1) At delivery AQL 0.65 level II, DIN ISO 2859.
2) In ionized mode.
3) Tests according to ITU-T Rec. K. 12 and UL 497B.
Gas Discharge Tube  
GDTR3RD6-XX

Thermal Resistances

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Parameter</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ts &amp; Tj</td>
<td>Storage &amp; Operating temperature range</td>
<td>-40 to +85 °C</td>
<td></td>
</tr>
</tbody>
</table>

Dimensional drawing

Cautions and warnings

- Surge arresters must not be operated directly in power supply networks.
- Surge arresters may become hot in case of longer periods of current stress (danger of burning).
- Surge arresters may be used only within their specified values. In case of overload, the headcontacts may fail or the component may be destroyed.
- Damaged surge arresters must not be re-used.
Gas Discharge Tube
GDTR3RD6-XX

Part Numbering System and Marking

GDT  R  3R D6- XX

DC Spark-over Voltage of XXV (at 100V/s)
Diameter: Ø6.0×8.0
3 Electrodes
Lead Configuration
R=Radial Leads
Gas Discharge Tubes

Package Information
Quantity: 100PCS (Plastic box)

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