**Key characteristics**

<table>
<thead>
<tr>
<th><strong>Protection mode</strong></th>
<th>L-L/PE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Number of protected lines</strong></td>
<td>2</td>
</tr>
<tr>
<td><strong>Test class</strong></td>
<td>II / I.A</td>
</tr>
<tr>
<td><strong>Integrated thermal disconnector</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>End of life indicator</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Safety reserve</strong></td>
<td>No</td>
</tr>
</tbody>
</table>

**Electrical characteristics**

- **Nominal discharge current** \( I_n \) (8/20) kA: 20
- **Maximal discharge current** \( I_{\text{max}} \) (8/20) kA: 50
- **Impulse current** \( I_{\text{imp}} \) (10/350) kA: 2
- **Maximal continuous operating voltage** \( U_{\text{PV}} \) (L-L): V: 600
- **Voltage protection level at \( I_n \)** \( U_{\text{CPV}} \) (L-L): kV: 1.5
- **Voltage protection level at \( I_{\text{max}} \)** \( U_{\text{PV}} \) (L-PE): kV: 1.8
- **Voltage protection rating according to UL 94** \( VPR \) (L+/G, L-/G, L+/L-): kV: 1.2 / 1.2 / 1.8
- **Short circuit current** \( I_{\text{SCPV}} \) kA: 10
- **Short circuit withstand according to UL 94** \( S_{\text{CCR}} \) kA: 10
- **Ground residual current** \( I_{\text{PE}} \) \( \mu A \): < 10

**Required thermal/back up protection**

- Curve B or C Circuit breaker
- gG - gl fuse

**Miscellaneous characteristics**

- **Maximal altitude** m: 2000
- **Weight** g: 360
- **Response time** ms: < 25
- **Fire resistance according to UL 94** V-0

**Dimensions**

- **H x W x D** mm: 95x33x40/58

**Wire range:**

- **Solid wire** mm²: 2.5 ... 25
- **Stranded wire** mm²: 2.5 ... 25

**Packing quantities:**

- piece: PER 1

**Certified to last UL 1449 4ed and according to EN 50539**

**No back up protection required up to 300 A**

**Patented QuickSafe technology**

- 2 MOV varistors (L+/L-) and GDT (G)

**Type 2 PV SPD’s have characteristics of type 2, they are capable of discharging indirect lightning strikes causing induced or conducted overvoltages generally from earth to the panel they have a low residual voltage (Up), which is compatible with the withstand voltage of the panel and the PV Inverter.**

**Higher is the \( I_{\text{max}} \), more powerful they are.**

**They are installed inside the connection/string boxes but also near the PV Inverter.**

If the announced residual voltage (Up) is not compatible with the withstand voltage of the equipment to protect or if the cable length to the equipment is longer than 10m, another level of coordination with another OVR PV T2 will be needed.