Type 2 SPD’s are designed to discharge the currents generated by indirect lightning strikes causing induced or conducted overvoltages on the power distribution network. They are characterized by an 8/20μs waveform (Imax). Higher is the Imax, more powerful they are. They are installed in the main distribution switchboard but also in sub-distribution board. They have a low residual voltage Up often compatible with the withstand voltage of the equipment to protect. If this is not the case or the cable length to the equipment is longer than 10m, another level of coordination with OVR T2-T3, OVR T3 will be needed.

- Din rail mounting
- Pluggable
- Excellent technical data
- Improved safety
- Pro M compact design
- Back up protection up to 125 A Fuse or Mcb

### Key characteristics

<table>
<thead>
<tr>
<th>Protection mode</th>
<th>L-PEN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of protected lines</td>
<td>3</td>
</tr>
<tr>
<td>Test class</td>
<td>II</td>
</tr>
<tr>
<td>Integrated thermal disconnector</td>
<td>Yes</td>
</tr>
<tr>
<td>End of life indicator</td>
<td>Yes</td>
</tr>
<tr>
<td>Safety reserve</td>
<td>No</td>
</tr>
</tbody>
</table>

### Electrical characteristics

- Nominal discharge current $I_n$ (8/20) kA 20
- Maximal discharge current $I_{max}$ (8/20) kA 40
- Impulse current $I_{imp}$ (10/350) kA 2
- Maximal continuous operating voltage $U_C$ (L-PE) V 275
- Type of current / frequency $I_{max}$ (a.c. 47-63)

### Nominal voltage protection level at $I_{imp}$

- Voltage protection level at $I_n$ (L-PE) kV 1.25
- Voltage protection level at $I_n$ (L-N) kV 1
- Voltage protection level at $I_n$ (N-PE) kV 1

### Mechanical characteristics

- Short circuit withstand $I_{SCCR}$ kA 100
- Total current $I_{TOTA}$ kA 120
- Follow current interrupted $I_{f}$ kA 77
- Ground residual current $I_{g}$ mA 220
- TOV withstand (L-N : 5s / N-PE : 200 ms) $U_{T}$ V 36 / -
- Voltage Combination Wave $U_{DC}$ kV 20

### Required thermal/back up protection

- Curve B or L Circuit breaker A 2× 125
- GS - gl. Fuse A 2× 125

### Comments

- Dimensions H x W x D mm 95 x 43.4 x 38
- Wire range : Solid wire mm² 2.5…25
- Wire range : Stranded wire mm² 2.5…16
- Stripping length mm 18.5
- Packing quantities piece Per 1

### Miscellaneous characteristics

- Maximal altitude m 2000
- Weight g 38
- Response time ms < 25
- Fire resistance according to UL 94 V-0

Replacement cartridges

- Phase / Neutral / Product ID OVR T2 40-275 C QS 2CTB803876R1000

- Power and productivity for a better world™ ABB