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.

Thanks to the patented Safety Reserve system, you can extend the lifespan of the installation plan maintenance to reduce downtime risk.

- Patented QuickSafe ® technology
- Safety Reserve system
- Din rail mounting
- Pluggable
- Improved safety
- Back up protection up to 160 A Fuse or 125 A Mcb

**Electrical characteristics**
- Nominal discharge current: 
  - In (8/20) kA: 20
  - Maximal discharge current: Imax (8/20) kA: 80
- Impulse current: 
  - Imp (10/350) kA: 6.25
- Maximal continuous operating voltage: 
  - Ue: V: 275
- Maximal continuous operating voltage d.c: 
  - Ue d.c: V: -
- Type of current / frequency
- Voltage protection level at In: 
  - Ue(L-N) kV: 1.2
  - Ue(L-PE) kV: 1.2
- Voltage protection level at In: 
  - Ue(N-P) kV: 1.2
- Short circuit withstand: 
  - Isc: kA: 100
- Total current: 
  - Is: kA: 80
- Follow current interrupted: 
  - Isf: kA: 7.5
- Ground residual current: 
  - Isc: μA: -
- TOV withstand (L-N : 5s / N-PE : 200 ms): 
  - U1: V: 2.577 / 1.200
- Voltage Combination Wave: 
  - Uocc: V: -

**Key characteristics**

<table>
<thead>
<tr>
<th>Protection mode</th>
<th>L-N</th>
<th>L-PE</th>
<th>N-PE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of protected lines</td>
<td>2</td>
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<td></td>
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<tr>
<td>Test class</td>
<td>II</td>
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<tr>
<td>Integrated thermal disconnector</td>
<td>Yes</td>
<td></td>
<td></td>
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<tr>
<td>End of life indicator</td>
<td>Yes</td>
<td></td>
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</tr>
<tr>
<td>Safety reserve</td>
<td>Yes</td>
<td></td>
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</tr>
</tbody>
</table>

**Mechanical characteristics**
- Dimensions: H x W x D mm: 88x35.6x69.4
- Wire range - Solid wire mm²: 2.5 … 35
- Wire range - Stranded wire mm²: 2.5 … 25
- Stripping length mm: 12.5
- Packing quantities: piece: Per 1

**Miscellaneous characteristics**
- Maximal altitude m: 2,100
- Weight g: 200
- Response time ms: 2.5
- Fire resistance according to UL 94 V-0

**Replacement cartridges**
- Phase / Product ID: OVR T2 80-275s C QS 2CTB815708R1400
- Neutral / Product ID: OVR T2 N 80-275s C QS 2CTB815708R2500

**Protection mode**
- I
- n
- (8/20)
kA
- I
- max
- (8/20)
kA
- I
- imp
- (10/350)
kA
- U
- C
- V
- U
- C d.c
- V
- Hz
- U
- p
- (L-PE)
kV
- U
- p
- (L-N)
kV
- U
- p
- (N-PE)
kV
- I
- SCCR
- kA
- I
- TOTAL
- kA
- I
- fi
- kA
- I
- PE
- µA
- U
- T
- V
- U
- OC
- kV
- a.gG - gL fuse
- A
- 5.135
- A
- 2.160
- Comments
- Dimensions
- H x W x D mm
- Wire range - Solid wire mm²
- Wire range - Stranded wire mm²
- Stripping length mm
- Packing quantities
- Curves B or C Circuit breaker
- a.g - gl fuse
- Required thermal back up protection
- Curve B or C Circuit breaker
- A
- 5.135
- A
- 2.160
- Remarks