Type 1 + 2 SPD’s have characteristics of type 1 but also type 2, they are capable of discharging a very high lightning current (T1 10/350 μs) and they have as well a low residual voltage (Up).

They are installed in the main distribution switchboard but also in subdistribution board. Because of their power, Type 1 + 2 SPD’s can let pass through a too high residual voltage, if the announced 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 OVR T2-T3, OVR T3 will be needed.

Thanks to the patented Safety Reserve system, you can extend the lifespan of

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

**Product Data Sheet**

**OVR H T1-T2 3N 12.5-275s P QS**

2CTB815710R5800

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**Key characteristics**

- Protection mode: L/N-L/PE/N-PE
- Number of protected lines: 4
- Test class: II
- Integrated thermal disconnector: Yes
- End of life indicator: Yes
- Safety reserve: Yes

**Electrical characteristics**

| Nominal discharge current (I<sub>n</sub> (8/20)) | kA | 20 |
| Impulse discharge current (I<sub>imp</sub> (10/350)) | kA | 80 |
| Maximal continuous operating voltage (U<sub>c</sub>) | V | 275 |

- Type of current / frequency: Hz, ac, 47-63
- Voltage protection level at In: U<sub>P</sub> (L-PE) kV, 1.5
- Voltage protection level at In: U<sub>P</sub> (L-N) kV, 1.4
- Voltage protection level at In: U<sub>P</sub> (N-PE) kV, 1.4
- Short circuit withstand: I<sub>sc</sub> (peak) kA, 200
- Total current (nom): kA, 50
- Follow current interrupted: I<sub>a</sub> kA, >/0,1
- Ground residual current: I<sub>rc</sub> μA, 10
- TOW withstand (L-N 5xL-PE, 200 mm): U<sub>T</sub>, V, 100 / 1200
- Voltage Combination Wave: U<sub>vg</sub> kV, 20

**Required thermal back up protection**

- Curve B or G Circuit breaker: A ≤ 125
- g - gil, fuse: A ≤ 160

**Mechanical characteristics**

- Dimensions: H x W x D mm, 88 x 71,2 x 69,4
- Wire range: Solid wire mm², 2.5...35
- Wire range: Stranded wire mm², 2.5...28
- Stripping length mm, 12.5
- Packaging: piece, 1
- Other mechanical characteristics:
  - Maximal altitude m, 2000
  - Weight g, 600
  - Response time μs, < 25
  - Plug resistance according to UL 94: V-0

**Replacement cartridges**

<table>
<thead>
<tr>
<th>Phase / Product ID</th>
<th>OVR H T1-T2 12.5-275s C QS</th>
<th>2CTB815711R5800</th>
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<td>OVR H T1-T2 N 50-275s C QS</td>
<td>2CTB815711R5700</td>
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