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**
- Protection mode: LN/R-PD/PE
- Number of protected lines: 1
- Test class: II
- Integrated thermal disconnector: Yes
- End of life indicator: Yes
- Safety reserve: No

**Electrical characteristics**
- Nominal discharge current (Iₚ): 20 kA
- Maximal discharge current (Iₘₚ): 40 kA
- Impulse current (Iₚₜₜₚₜ): 2 kA
- Maximal continuous operating voltage (Uₑ): 275 V
- Type of current / frequency (Iₑ): a.c. 47/63
- Voltage protection level at In (Uₑ (L-PE)): 1,25 kV
- Voltage protection level at In (Uₑ (L-N)): 1 kV
- Voltage protection level at In (Uₑ (N-PE)): 1 kV
- Short circuit withstand (Iₑₚₑₑₑ): 100 kA
- Total current (Iₑₑₑₑₑₑₑₑₑₑ): 40 kA
- Follow current interrupted (Iₑₑₑₑₑₑₑₑₑₑₑₑ): 7 kA
- Ground residual current (Iₑₑₑₑₑₑₑₑₑₑₑₑₑₑ): 700 µA
- TOV withstand (L-N : 5s / N-PE : 200 ms): Uₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑ الإلكتروني
- Voltage Combination Wave (Uₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑₑᵉ
- Required thermal/back up protection: Curve B or L Circuit breaker A ≤ 125
- 6a - gl Fuse A ≤ 125
- Comments: Mechanical characteristics
- Dimensions: H x W x D mm 95 x 17.8 x 58
- Wire range: solid wire mm² 2.5…25
- Wire range: stranded wire mm² 2.5…16
- Stripping length: mm 12.5
- Packing quantities: piece Per 1

**Miscellaneous characteristics**
- Maximal altitude: m 2000
- Weight: g ≤ 2.3
- Response time: ms ≤ 25
- Fire resistance according to UL 94: V-0
- Replacement cartridges: OVR T2 40-275 C QS 2CTB803876R1000
- Neutral / Product ID: OVR T2 40-275 C QS 2CTB803876R1000

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

**Diagram**
- PD1-PD2
- Electrical connections

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**ABB**