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 features
- Improved safety
- Pro M compact design
- Back up protection up to 125 A Fuse or Mcb

### Key characteristics

- **Protection mode**: N PE
- **Number of protected lines**: 1
- **Test class**: II * III
- **Integrated thermal disconnector**: No
- **End of life indicator**: No
- **Safety reserve**: No

### Electrical characteristics

- **Nominal discharge current**: Iₚ (8/20) kA 30
- **Maximal discharge current**: Iₘₚ (8/20) kA 80
- **Impulse current**: Iₚₚₚ (10/350) kA 2
- **Maximal continuous operating voltage**: Uₑ V -
- **Maximal continuous operating voltage d.c**: Uₑ₉₉₉ V -
- **Type of current / frequency**: Hz a.c. 47-63
- **Nominal discharge voltage at In**: Uₑ (L-PE) KV -
- **Voltage protection level at In**: Uₑ (L-N) KV -
- **Voltage protection level at In**: Uₑ (N-PE) KV 1.4
- **Short circuit withstand**: Iₑₑₑ (L-N : 5s / N-PE : 200 ms) \( \geq 1200 \)
- **Total current**: Iₑₑₑₑ (L-N) kA 80
- **Follow current interrupted**: Iₑₑₑₑ (L-N) kA \( \geq 18 \)
- **Ground residual current**: Iₑₑₑₑ (L-N) μA \( \leq 110 \)
- **TOV withstand**: \( (L-N : 5s / N-PE : 10 \text{ ms}) \)
- **Voltage Combination Wave**: Uₑₑₑₑ (L-N) KV \( \geq 7 \text{ kV} \)
- **Required thermal back up protection**: -

### Mechanical characteristics

- **Dimensions**: H x W x D mm 88x17.8x58
- **Wire range - solid wire**: mm² 2.5 … 35
- **Wire range - stranded wire**: mm² 2.5 … 25
- **Stripping length**: mm 12.5
- **Packing quantities**: piece Pck 3

### Miscellaneous characteristics

- **Maximal altitude**: m 2 100
- **Weight**: g 120
- **Response time**: ms 1.25
- **Fire resistance according to UL 94**: V-0

### Replacement cartridges

- **Phase / Product ID**: -
- **Neutral / Product ID**: OVR T2 N 80-275 C QS - 2CTB803973R1900

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**Power and productivity for a better world™**