OVR type 1-type 2 is designed to discharge high current surges without any destruction of the installation. This surge protective device is characterized by its capacity to withstand impulse current with 10/350 µs wave form which simulate direct impact coming from a natural lightning current. Type 1-type 2 SPDs are placed at the entrance point of the installation, in the main distribution board for a global protection of this installation.

- Din The impulse current of 25kA per pole (10/350 µs wave) satisfies all requirements for overvoltage surge protection
- The early creation of the electric arc by its electronic ignition device reduces the protection level Up to an optimum value of 1,5kV
- OVR T1+2 SPDs contain a dedicated arc chamber for extinguishing the electrical arc following the discharge, they can open short circuits.

### Key characteristics

- Protection mode: L-L/PE
- Number of protected lines: 4
- Feed type: F18
- Integrated thermal disconnector: Yes
- End of life indicator: Yes
- Safety reserve: -
- Electrical characteristics:
  - Nominal discharge current: $I_{dm}$ (8/20) µA
  - Maximum discharge current: $I_{m}$ (8/20) µA
  - Impulse current: $I_{imp}$ (10/350) µA
  - Maximal continuous operating voltage: $U_{op}$ µV
  - Type of current / Frequency: a.c 50 / 60
  - Voltage protection level at In:
    - $U_{L}$ (L-PE) µK
    - $U_{N}$ (L-N) µK
    - $U_{N}$ (N-PE) µK
  - Short circuit withstand:
    - $I_{arc}$ µA
    - $I_{nom}$ µA
    - I follow current interrupted
    - Ground residual current
    - $I_{m}$ µA
  - DNV withstanding 85% 5s/1100 mA
  - Voltage Combination Wave: $U_{DC}$ µK
- Required thermal back up protection: -
- Curve B or C Circuit breaker: A
- CB - GL fuse: A
- Comments: -

### Mechanical characteristics

- Dimensions: L x W x D mm
- Wire range - Solid wire mm²
- Wire range - Stranded wire mm²
- Bending radius mm
- Packing quantities piece
- Number of conductors
- Maximum withstand: m
- Weight: g
- Service life: ns
- Fire resistance according to UL 94: V0
- Replacement cartridges: -

### Specifications

- Type: OVR T1+2
- Group: 25-255
- Number of poles: 4L
- Ratings: TS
- EAN: 3 660 308 513434
- FR: B751343
- 18/02/2016

### Technical Details

- Imp: 25 kA
- Up: < 1,5 kV
- System: TT: 230/400 V

---

**ABB**

Power and productivity for a better world™