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.

**OVR T1+2 3N 25-255 TS**

**EAN : 3 660 308 513526**

**FR : B751352**

**Key characteristics**

- Protection mode: L-L/N/L-PE/N-PE
- Number of protected lines: 3
- Pole class: P8
- Integrated thermal disconnector: Yes
- End of life indicator: No
- Short circuit withstand: 15 kA
- Voltage protection level: 1.5 kV
- Electrical characteristics:
  - Nominal discharge current: 25 kA
  - Maximum discharge current: 25 kA
  - Impulse current: 25 kA
  - Maximum continuous operating voltage: 250 V
  - Type of current/frequency: a.c./350 µs
  - Voltage protection level at In:
    - Uc (L-PE) 1.5 kV
    - Uc (L-N) 1.5 kV
    - Uc (N-PE) 1.5 kV
  - Short circuit withstand: 15 kA
  - Thermal characteristics:
    - Im: 15 kA
    - Is: 15 kA
    - Ground residual current: 10 µA
    - Surge withstand (L-N, 5x/NPE: 200 ms): Uc: 337/1200
  - Voltage Combination Wave: Uc/DC: 1.5 kV
  - Required thermal back up protection: A
  - Protection level: A
- Comments:
  - Mechanical characteristics:
    - Dimensions: L x W x D: 90 x 64,8 x 64,8 mm
    - Wire range - Solid wire: 2.5...24 mm²
    - Wire range - Stranded wire: 2.5...24 mm²
    - Bolting length: 15 mm
    - Packing quantities: Per 1
  - Miscellaneous characteristics:
    - Maximum altitude: m 2000
    - Weight: 1000 g
    - Service time: 15 years
- For resistance according to UL 504:
  - Replacement cartridge: V0

**Specifications**

- Manufacturer: ABB
- Version: 03/02/2016
- Model: 2CTB815101R4500
- Code: 03/02/2016
- Key characteristics:
  - Protection mode: L-L/N/L-PE/N-PE
  - Number of protected lines: 3
  - Pole class: P8
  - Integrated thermal disconnector: Yes
  - End of life indicator: No
  - Short circuit withstand: 15 kA
  - Voltage protection level: 1.5 kV
  - Electrical characteristics:
    - Nominal discharge current: 25 kA
    - Maximum discharge current: 25 kA
    - Impulse current: 25 kA
    - Maximum continuous operating voltage: 250 V
    - Type of current/frequency: a.c./350 µs
    - Voltage protection level at In:
      - Uc (L-PE) 1.5 kV
      - Uc (L-N) 1.5 kV
      - Uc (N-PE) 1.5 kV
    - Short circuit withstand: 15 kA
    - Thermal characteristics:
      - Im: 15 kA
      - Is: 15 kA
      - Ground residual current: 10 µA
      - Surge withstand (L-N, 5x/NPE: 200 ms): Uc: 337/1200
    - Voltage Combination Wave: Uc/DC: 1.5 kV
    - Required thermal back up protection: A
    - Protection level: A
- Comments:
  - Mechanical characteristics:
    - Dimensions: L x W x D: 90 x 64,8 x 64,8 mm
    - Wire range - Solid wire: 2.5...24 mm²
    - Wire range - Stranded wire: 2.5...24 mm²
    - Bolting length: 15 mm
    - Packing quantities: Per 1
  - Miscellaneous characteristics:
    - Maximum altitude: m 2000
    - Weight: 1000 g
    - Service time: 15 years
- For resistance according to UL 504:
  - Replacement cartridge: V0

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