




|   |   |
|---|---|
| Type  | T2  |
|  | <b>I<sub>max</sub> : 40 kA</b>            |
|  | <b>U<sub>p</sub> : 1,4 kV</b>             |
| System  | TT/TNS: 230 V                             |
|  | <b>IEC 61643-11</b><br><b>EN 61643-11</b> |

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 (I<sub>max</sub>). Higher is the I<sub>max</sub>, more powerful they are.

They are installed in the main distribution switchboard but also in sub-distribution board.

They have a low residual voltage U<sub>p</sub> 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



|                                      |  |                           |                 |                |
|--------------------------------------|--|---------------------------|-----------------|----------------|
| <b>CHARACTERISTICS</b>               | <b>Key characteristics</b>                 |                           |                 |                |
|                                      | Protection mode                            | L-N/N-PE/L-PE             |                 |                |
|                                      | Number of protected lines                  | 2                         |                 |                |
|                                      | Test class                                 | II                        |                 |                |
|                                      | Integrated thermal disconnecter            | Yes                       |                 |                |
|                                      | End of life indicator                      | Yes                       |                 |                |
|                                      | Safety reserve                             | No                        |                 |                |
|                                      | <b>Electrical characteristics</b>          |                           |                 |                |
|                                      | Nominal discharge current                  | I <sub>n</sub> (8/20)     | kA              | 20             |
|                                      | Maximal discharge current                  | I <sub>max</sub> (8/20)   | kA              | 40             |
|                                      | Impulse current                            | I <sub>imp</sub> (10/350) | kA              | 2              |
|                                      | Maximal continuous operating voltage       | U <sub>c</sub>            | V               | 350            |
|                                      | Type of current / frequency                |                           | Hz              | a.c. 47-63     |
|                                      | Voltage protection level at I <sub>n</sub> | U <sub>p</sub> (L-PE)     | kV              | -              |
|                                      | Voltage protection level at I <sub>n</sub> | U <sub>p</sub> (L-N)      | kV              | 1,5            |
|                                      | Voltage protection level at I <sub>n</sub> | U <sub>p</sub> (N-PE)     | kV              | 1,4            |
|                                      | Short circuit withstand                    | I <sub>SCCR</sub>         | kA              | 100            |
|                                      | Total current                              | I <sub>TOTAL</sub>        | kA              | 80             |
|                                      | Follow current interrupted                 | I <sub>fi</sub>           | kA              | - / 0.1        |
|                                      | Ground residual current                    | I <sub>PE</sub>           | µA              | < 10           |
|                                      | TOV withstand (L-N : 5s / N-PE : 200 ms)   | U <sub>T</sub>            | V               | 462 / 1200     |
|                                      | Voltage Combination Wave                   | U <sub>oc</sub>           | kV              | 20             |
|                                      | <b>Required thermal/back up protection</b> |                           |                 |                |
|                                      | Curve B or C Circuit breaker               | A                         |                 | ≤ 125          |
|                                      | gG - gL fuse                               | A                         |                 | ≤ 125          |
|                                      | Comments                                   |                           |                 |                |
|                                      | <b>Mechanical characteristics</b>          |                           |                 |                |
|                                      | Dimensions                                 | H x W x D                 | mm              | 88 x 35.6 x 58 |
|                                      | Wire range : Solid wire                    |                           | mm <sup>2</sup> | 2.5...25       |
|                                      | Wire range : Stranded wire                 |                           | mm <sup>2</sup> | 2.5...16       |
| Stripping length                     |  | mm                        | 12.5            |                |
| Packing quantities                   |  | piece                     | Per 1           |                |
| <b>Miscellaneous characteristics</b> |  |                           |                 |                |
| Maximal altitude                     | m  |                           | 2000            |                |
| Weight                               | g  |                           | 240             |                |
| Response time                        | ns   |                           | < 25            |                |
| Fire resistance according to UL 94   |  |                           | V-0             |                |
| Replacement cartridges               |  |                           |                 |                |
| Phase / Product ID                   | OVR T2 40-350 C QS                         |                           | 2CTB803886R1000 |                |
| Neutral / Product ID                 | OVR T2 N 80-350 C QS                       |                           | 2CTB803886R0000 |                |

