



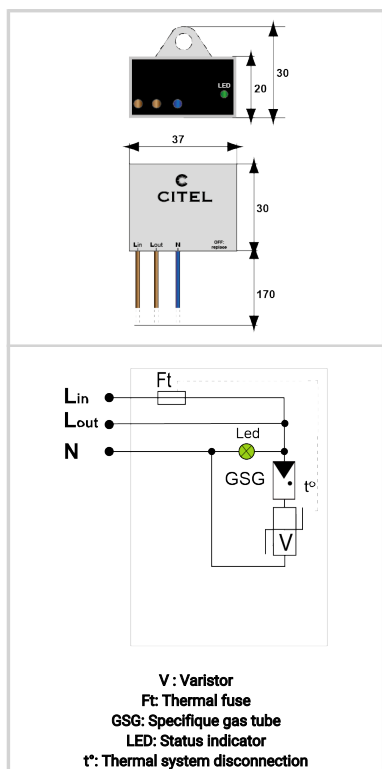
# CITEL



## Ultra Compact Type 2+3 hard wired surge protector

### MLPX2VG-230L-W

- Ultra compact Type 2+3 hard wired surge protectors
- Class 2
- Wall mounting and hard wired connection
- VG Technology
- No aging
- Bracket breakable
- Protection rating : IP67
- Disconnection signaling by indicator
- AC disconnection in case of end of life
- EN 61643-11, IEC 61643-11 and UL1449 4ed. compliance



| Electrical Characteristics                                                                                         |               |                                                                |
|--------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------------------------------------|
| SPD type                                                                                                           | IEC           | 2+3                                                            |
| Network                                                                                                            |               | 230-277 V Single-phase                                         |
| AC system                                                                                                          |               | TT-TN                                                          |
| Nominal line voltage                                                                                               | Un            | 230 V                                                          |
| Max. AC operating voltage                                                                                          | Uc            | 320 Vac                                                        |
| Max. load current @25°C                                                                                            | IL            | 10 A                                                           |
| Temporary Over Voltage (TOV) Characteristics - 5 sec.<br><i>Without disconnection</i>                              | UT            | 335 Vac withstand                                              |
| Temporary Over Voltage (TOV) Characteristics - 120 mn<br><i>Without disconnection or with safety disconnection</i> | UT            | 440 Vac withstand                                              |
| Temporary Over Voltage N/PE (TOV HT)<br><i>Without disconnection or with safety disconnection</i>                  | UT            | 1200 V/300A/200 ms disconnection                               |
| Residual Current<br><i>Leakage current to Ground</i>                                                               | Ipe           | None                                                           |
| Nominal discharge current<br><i>15 x 8/20 µs impulses</i>                                                          | In            | 5 kA                                                           |
| Max. discharge current<br><i>max. withstand @ 8/20 µs by pole</i>                                                  | Imax          | 10 kA                                                          |
| Total Maximum discharge current<br><i>max. total withstand @ 8/20 µs</i>                                           | Imax<br>Total | 20 kA                                                          |
| Withstand on Combination waveform IEC 61643-11<br><i>Class III test: 1.2/50µs - 8/20µs</i>                         | Uoc           | 10 kV                                                          |
| Withstand on overvoltages IEEE C62.41.1                                                                            |               | 10 kV / 10 kA                                                  |
| Protection mode(s)                                                                                                 |               | Differential Mode                                              |
| Protection level L/N<br><i>@ In (8/20µs)</i>                                                                       | Up L/N        | 1.5 kV                                                         |
| Admissible short-circuit current                                                                                   | Iscrr         | 10 000 A                                                       |
| Mechanical Characteristics                                                                                         |               |                                                                |
| Technology                                                                                                         |               | MOV+GDT                                                        |
| Connection to Network                                                                                              |               | By wires: 1.5mm <sup>2</sup> (L/N) and 2.5mm <sup>2</sup> (PE) |
| Mounting                                                                                                           |               | Wall or plate                                                  |
| Housing material                                                                                                   |               | Thermoplastic UL94 V-0                                         |
| Operating temperature                                                                                              | Tu            | -40/+85°C                                                      |
| Protection rating                                                                                                  |               | IP67                                                           |
| Failsafe mode                                                                                                      |               | Disconnection and AC line cut-off                              |
| Disconnection indicator                                                                                            |               | LED green OFF and AC network cut-off                           |
| Operating indicator                                                                                                |               | Green Led ON                                                   |
| Dimensions                                                                                                         |               | See diagram                                                    |
| Disconnectors                                                                                                      |               |                                                                |
| Thermal disconnector                                                                                               |               | Internal                                                       |
| Installation ground fault breaker                                                                                  |               | Type 'S' or delayed                                            |
| Standards                                                                                                          |               |                                                                |
| Standards compliance                                                                                               |               | IEC 61643-11 / EN 61643-11 / UL1449 ed.5                       |
| Certification                                                                                                      |               |                                                                |
| Part number                                                                                                        |               |                                                                |
| 711292                                                                                                             |               |                                                                |

