



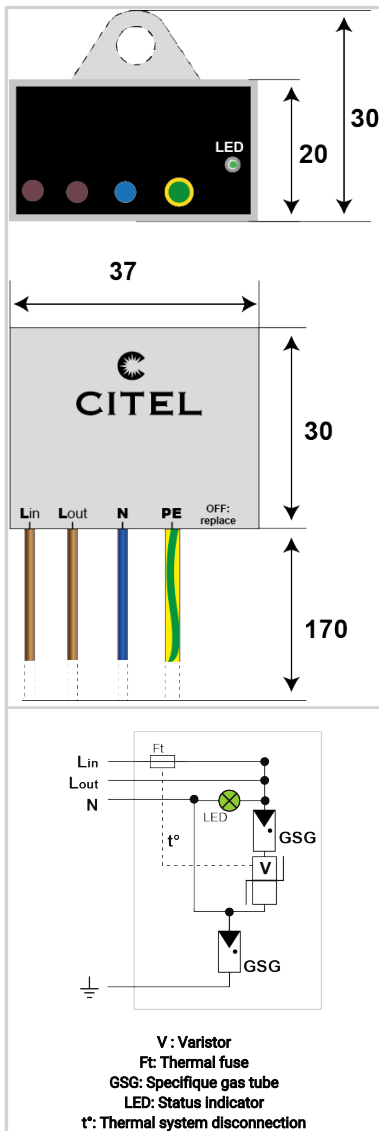
# CITEL



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

### MLPX1VG-230L-W/IP20

- Ultra compact Type 2+3 hard wired surge protectors
- Wall mounting and hard wired connection
- VG Technology
- No aging
- Bracket breakable
- 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   | U <sub>n</sub>         | 230 V  |
| Max. AC operating voltage  | U <sub>c</sub>         | 320 Vac  |
| Max. load current @25°C  | I <sub>L</sub>         | 10 A   |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection                              | UT                     | 335 Vac withstand  |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT                     | 440 Vac withstand  |
| Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection                  | UT                     | 1200 V/300A/200 ms disconnection                               |
| Residual Current Leakage current to Ground   | I <sub>pe</sub>        | None   |
| Nominal discharge current 15 x 8/20 μs impulses  | I <sub>n</sub>         | 5 kA   |
| Max. discharge current max. withstand @ 8/20 μs by pole  | I <sub>max</sub>       | 10 kA  |
| Total Maximum discharge current max. total withstand @ 8/20 μs   | I <sub>max</sub> Total | 20 kA  |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs                         | U <sub>oc</sub>        | 10 kV  |
| Withstand on overvoltages IEEE C62.41.1  |                        | 10 kV / 10 kA  |
| Protection mode(s)   |                        | Common/Differential mode                                       |
| Protection level L/N @ I <sub>n</sub> (8/20μs)   | U <sub>p</sub> L/N     | 1.5 kV   |
| Protection level L/PE @ I <sub>n</sub> (8/20μs)  | U <sub>p</sub> L/PE    | 1.5 kV   |
| Admissible short-circuit current   | I <sub>sc</sub> cr     | 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  | T <sub>u</sub>         | -40/+85°C  |
| Protection rating  |                        | IP20   |
| Failsafe mode  |                        | Disconnection and AC line cut-off                              |
| Disconnection indicator  |                        | LED green OFF and AC network cut-off                           |
| Operating indicator  |                        | Green Led ON   |
| Remote signaling of disconnection  |                        | No   |
| Dimensions   |                        | See diagram  |
| Weight   |                        | 0.038 kg   |
| Disconnectors  |                        |  |
| Thermal disconnector   |                        | Internal   |
| Installation ground fault breaker  |                        | Type 'S' or delayed  |
| Standards  |                        |  |
| Standards compliance   |                        | IEC 61643-11 / EN 61643-11 / UL1449 ed.5                       |
| Part number  |                        |  |
| <b>711296</b>  |                        |  |

