



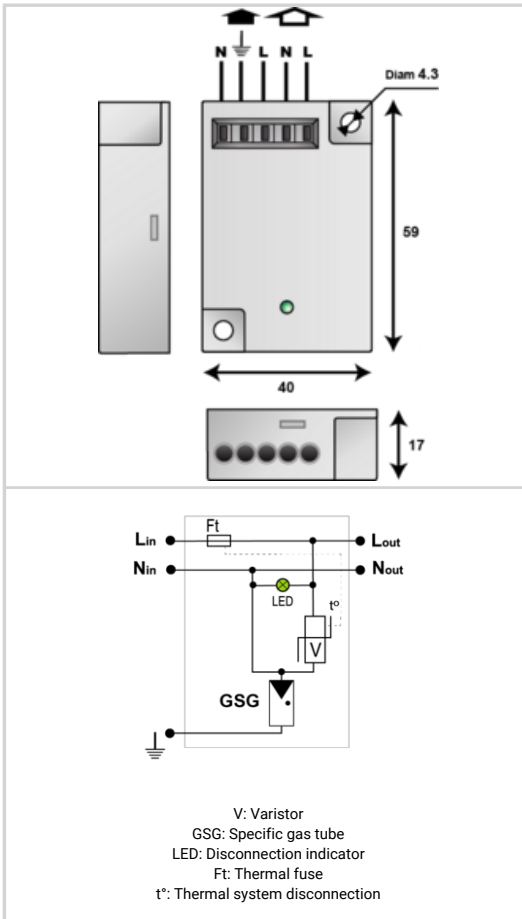
AC surge protector for LED Lighting system Class 1

CITEL

MLPC1-230L-R/50



- Type 2 (or 3) surge protectors for LED
- Class 1
- Very compact
- Plate mounting
- Spring terminal connection
- Status indicator
- Disconnection AC end of life
- EN 61643-11 compliance



| Electrical Characteristics | | |
|--|------------------------|--|
| SPD type | | 2 (or 3) |
| Network | | 220-240 V Single-phase |
| AC system | | TT-TN |
| Max. AC operating voltage | Uc | 320 Vac |
| Max. load current @25°C | IL | 5 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 disconnection |
| 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 | Ipe | None |
| Nominal discharge current 15 x 8/20 μs impulses | In | 5 kA |
| Max. discharge current max. withstand @ 8/20 μs by pole | I _{max} | 10 kA |
| Total Maximum discharge current max. total withstand @ 8/20 μs | I _{max} Total | 20 kA |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs | Uoc | 10 kV |
| Withstand on overvoltages IEEE C62.41.1 | | 10 kV / 10 kA |
| Protection mode(s) | | Common/Differential mode |
| Protection level L/N @ In (8/20μs) | Up L/N | 1.5 kV |
| Protection level L/PE @ In (8/20μs) | Up L/PE | 1.5 kV |
| Admissible short-circuit current | I _{scr} | 10 000 A |
| Mechanical Characteristics | | |
| Technology | | MOV+GDT |
| Connection to Network | | 1 spring contact single side in/out - wire 1.5mm ² max. |
| Mounting | | On plate |
| Housing material | | Thermoplastic UL94 V-0 |
| Operating temperature | Tu | -40/+85°C |
| Protection rating | | IP20 |
| Failsafe mode | | Disconnection and AC line cut-off |
| Disconnection indicator | | LED green OFF and AC network cut-off |
| Voltage/operating indicator | | Green Led ON |
| Dimensions | | See diagram |
| Weight | | 0.054 kg |
| Disconnectors | | |
| Thermal disconnector | | Internal |
| Installation ground fault breaker | | Type 'S' or delayed |
| Standards | | |
| Standards compliance | | EN 61643-11 / IEC 61643-11 |
| Certification | | IEC / TUV / IMQ |
| Part number | | 831212 |

