



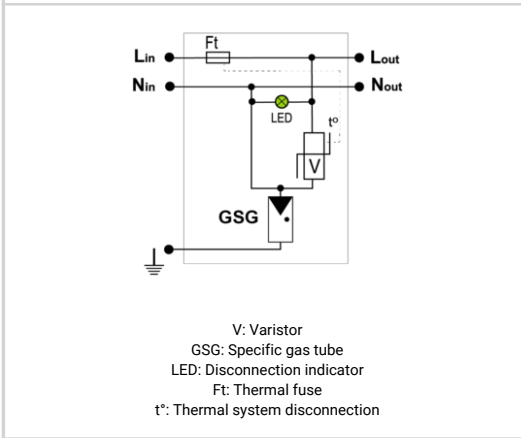
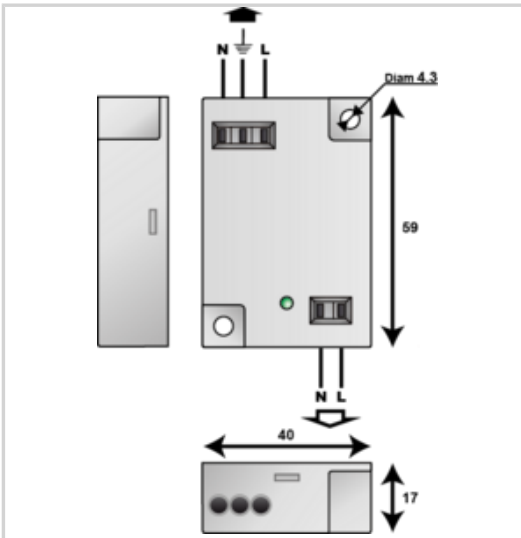
CITEL

AC surge protector for LED Lighting system Class 1

MLPC1-230L-R



- 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 | Imax 10 kA |
| Total Maximum discharge current max. total withstand @ 8/20 μs | Imax 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 | Iscsr 10 000 A |
| Mechanical Characteristics | |
| Technology | MOV+GDT |
| Connection to Network | 2 spring terminals opposite side in/out - wire 1.5mm² 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 | 0.035 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 | 831211 |

