



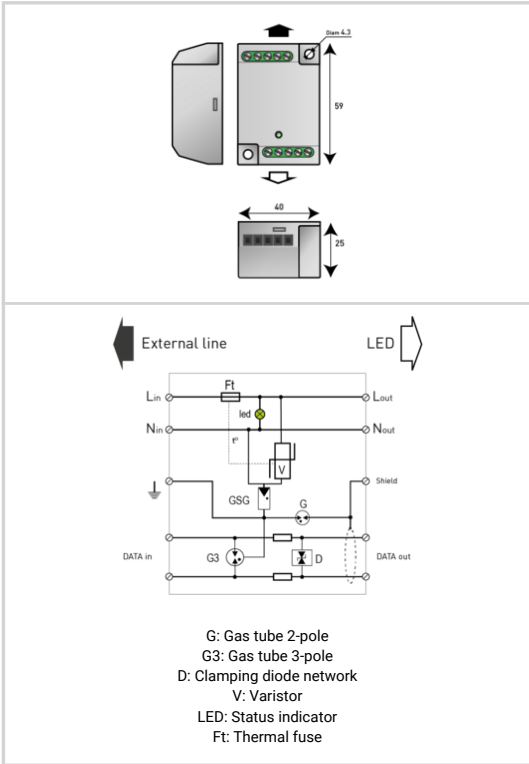
CITEL

AC surge protector for LED Lighting system Class 1

MLPC1-230L-V/DL



- ▶ Type 2 (or 3) surge protector for Class 1 LED Lighting
- ▶ Combined AC/Dateline surge protection
- ▶ DALI, DMX, RS485, 0-10V datalines compliance
- ▶ Shield wire management
- ▶ Optimized coordination with driver (option : MLPCH1-230L-V/DL)
- ▶ Compact dimensions
- ▶ Screw connection
- ▶ Max. discharge current 10 kA
- ▶ Certified IEC 61643-11 and IEC 61643-21



| Electrical Characteristics | | |
|--|---------|---|
| Network | | 230 V single-phase |
| AC system | | TT-TN |
| Max. Data operating voltage | Uc | 28 Vdc |
| 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 |
| 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 |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs | Uoc | 10 kV / 5 kA |
| Protection mode(s) | | Common/Differential mode |
| Protection level @ In (8/20 μs) | Up L/L | 50 V |
| Protection level L/N @ In (8/20 μs) | Up L/N | 1.5 kV |
| Protection level N/PE @ In (8/20 μs) | Up N/PE | 1.5 kV |
| Nominal discharge current C2 Category | In | 5 kA |
| Admissible short-circuit current | Iscsr | 10 000 A |
| Mechanical Characteristics | | |
| Technology | | MOV+GDT |
| Connection to Network | | By screw terminal: 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, Green Led OFF and power cut off |
| Disconnection indicator | | LED green OFF and AC network cut-off |
| Dimensions | | See diagram |
| Weight | | 0.055 kg |
| Standards | | |
| Standards compliance | | IEC 61643-11 / EN 61643-11 / IEC 61643-21 / EN 61643-21 / UL1449 ed.5 |
| Certification | | KEMA |
| Part number | | 831223 |

