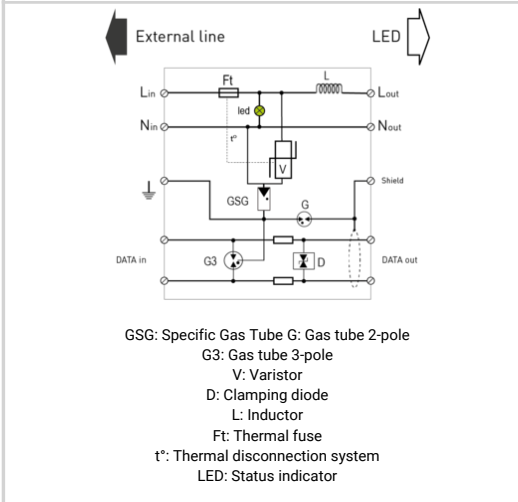
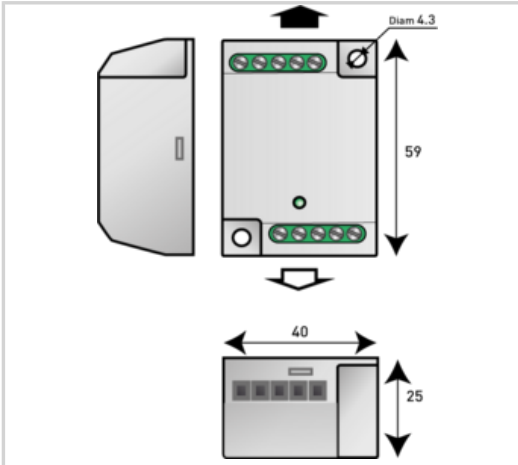


MLPCH1-230L-V/DL



- ▶ Type 2 (or 3) surge protector for Class 1 LED Lighting
- ▶ Combined AC/Dataline surge protection
- ▶ DALI, DMX, RS485, 0-10V datalines compliance
- ▶ Shield wire management
- ▶ Optimized coordination with driver
- ▶ 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 2.5 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 Following the test category C3 (IEC61643-21) - Line/Line                                | Up 50 V   |
| Protection level L/N @ In (8/20μs)   | Up L/N 1.5 kV   |
| Protection level N/PE @ In (8/20μs)  | Up N/PE 1.5 kV  |
| Line/Line Nominal discharge current C2 Category  | In L/L 5 kA   |
| Admissible short-circuit current   | Isc cr 10 000 A   |
| Mechanical Characteristics   |   |
| Technology   | MOV+GDT   |
| Connection to Network  | By screw terminal: 1.5mm <sup>2</sup> 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   | 0.056 kg  |
| Standards  |   |
| Standards compliance   | IEC 61643-11 / EN 61643-11 / IEC 61643-21 / EN 61643-21 / UL1449 ed.5 |
| Certification  | KEMA  |
| Part number  | 833223  |