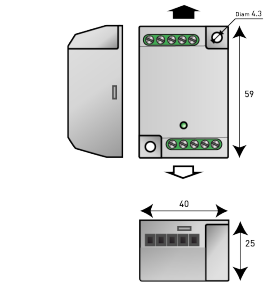
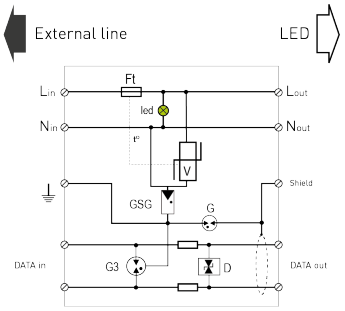
*AC surge protector for LED Lighting system Class 1*

# MLPC1-230L-V/DL




- Type 2 (or 3) surge protector for Class 1 LED Lighting
- Combined AC/Dataline 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




**G: Gas tube 2-pole**
**G3: Gas tube 3-pole**
**D: Clamping diode network**
**V: Varistor**
**LED: Status indicator**
**Ft: Thermal fuse**

| Electrical Characteristics | | |
|---|---|---|
| Network | | 230/400V |
| 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.<br>*Without disconnection* | UT | 335 Vac withstand |
| Temporary Over Voltage (TOV) Characteristics - 120 mn<br>*Without disconnection or with safety disconnection* | UT | 440 Vac disconnection |
| Residual Current<br>*Leakage current to Ground* | Ipe | None |
| Nominal discharge current<br>*15 x 8/20 µs impulses* | In | 5 kA |
| Max. discharge current<br>*max. withstand @ 8/20 µs by pole* | Imax | 10 kA |
| Nominal discharge current<br>*C2 Category* | In | 5 kA |
| Withstand on Combination waveform IEC 61643-11<br>*Class III test: 1.2/50µs - 8/20µs* | Uoc | 10 kV / 5 kA |
| Protection mode(s) | | Common/Differential mode |
| Protection level L/N<br>*@ In (8/20µs)* | Up L/N | 1.5 kV |
| Protection level N/PE<br>*@ In (8/20µs)* | Up N/PE | 1.5 kV |
| Admissible short-circuit current | Isccr | 10 000 A |
| **Mechanical Characteristics** | | |
| Technology | | MOV+GDT |
| Connection to Network | | 1 screw contact single side in/out - wire 2.5mm² 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 |
| **Standards** | | |
| Standards compliance | | IEC 61643-11 / EN 61643-11 / IEC 61643-21 / EN 61643-21 / UL1449 ed.5 |
| Certification | | KEMA / ENEC05 |
| **Part number** | | |
| **831223** | | |