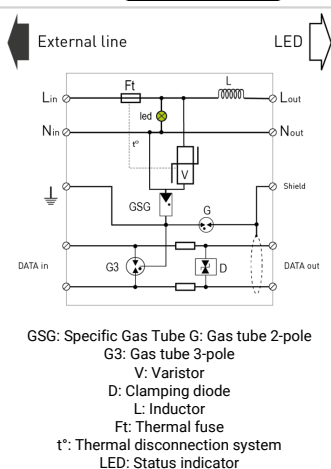
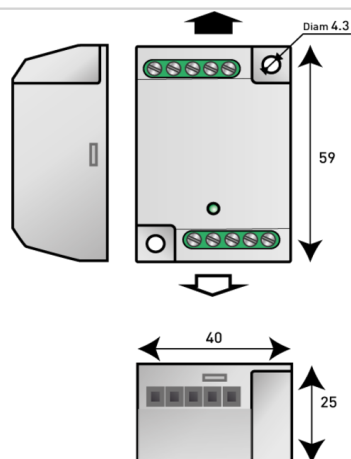


### MLPCH1-230L-V/DL



- 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 @ In (8/20 µs)                                                                          | Up L/L 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                                                                         | Iscrr 10 000 A                                                        |
| Mechanical Characteristics                                                                               |                                                                       |
| Technology                                                                                               | MOV+GDT                                                               |
| Connection to Network                                                                                    | By screw terminal: 1.5mm² 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                                                           |
| 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                                                                |