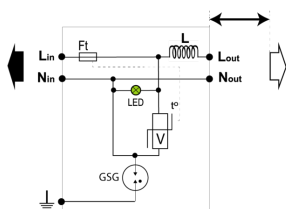
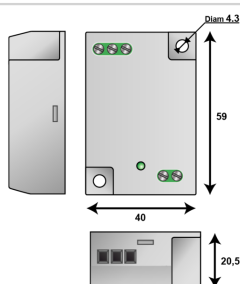


### MLPCH1-230L-V



- ✦ Type 2 (or 3) surge protectors for LED
- ✦ Optimized coordination with internal MOV of driver
- ✦ Very compact
- ✦ Plate mounting
- ✦ Screw terminal connection
- ✦ Status indicator
- ✦ Disconnection AC end of life
- ✦ IEC 61643-11 and EN 61643-11 compliance



GSG: Specific Gas Tube  
V: Varistor  
LED: Status indicator  
L: Coordination inductor  
Ft: Thermal fuse  
t\*: Thermal disconnection system

| Electrical Characteristics   |            |                                      |
|--|------------|--------------------------------------|
| SPD type   | IEC        | 2 (or 3)                             |
| Network  |            | 230-277 V Single-phase               |
| AC system  |            | TT-TN                                |
| 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                |
| Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection                  | UT         | 1200 V/300A/200 ms disconnection     |
| 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   | Iscrr      | 10 000 A                             |
| Mechanical Characteristics   |            |                                      |
| Technology   |            | MOV+GDT                              |
| Connection to Network  |            | By screw terminals: 2.5mm² 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 |
| Operating indicator  |            | Green Led ON                         |
| Dimensions   |            | See diagram                          |
| Weight   |            | 0.046 kg                             |
| Disconnectors  |            |                                      |
| Thermal disconnector   |            | Internal                             |
| Installation ground fault breaker  |            | Type 'S' or delayed                  |
| Standards  |            |                                      |
| Standards compliance   |            | EN 61643-11 / IEC 61643-11           |
| Part number  |            |                                      |
| 833221   |            |                                      |