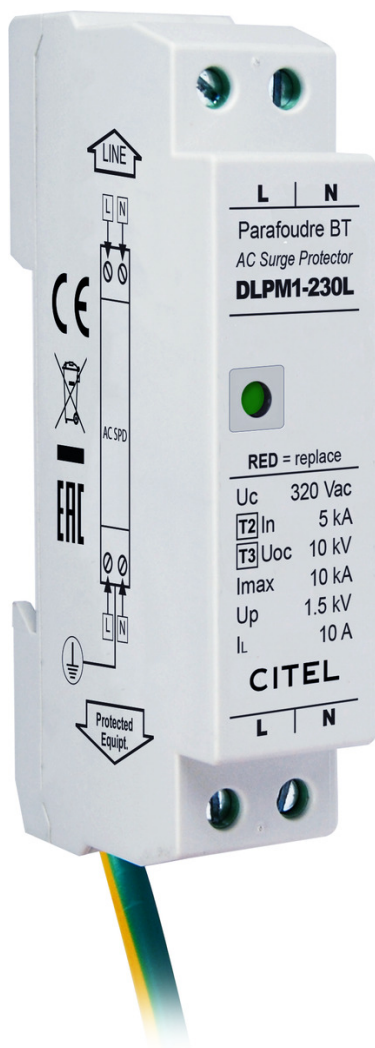




# CITEL



## Surge protector for LED lighting system Class 1

### DLPM1-230L

- › Type 2 (or 3) surge protectors for LED
- › For single-phase or biphas network
- › Very compact (low profile)
- › DIN rail mounting
- › Screw terminal connection
- › Mechanical status indicator
- › Disconnection AC end of life
- › EN 61643-11 certified



| Electrical Characteristics                                                                                  |               |                                                                   |
|-------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------|
| SPD type                                                                                                    | IEC           | 2+3                                                               |
| Network                                                                                                     |               | 220-240 V Single-phase                                            |
| AC system                                                                                                   |               | TT-TN                                                             |
| Nominal line voltage                                                                                        | Un            | 230-277 Vac                                                       |
| Max. AC operating voltage                                                                                   | Uc            | 320 Vac                                                           |
| Max. load current @25°C                                                                                     | IL            | 10 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                                             |
| Temporary Over Voltage N/PE (TOV HT)<br>Without disconnection or with safety disconnection                  | UT            | 1200 V/300A/200 ms 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                                                             |
| Total Maximum discharge current<br>max. total withstand @ 8/20 µs                                           | Imax<br>Total | 20 kA                                                             |
| Withstand on Combination waveform IEC 61643-11<br>Class III test: 1.2/50µs - 8/20µs                         | Uoc           | 10 kV / 5 kA                                                      |
| Withstand on overvoltages IEEE C62.41.1                                                                     |               | 10 kV / 10 kA                                                     |
| Protection mode(s)                                                                                          |               | Common/Differential mode                                          |
| Protection level L/N<br>@ In (8/20µs)                                                                       | Up L/N        | 1.5 kV                                                            |
| Protection level L/PE<br>@ 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                                                                                       |               | Screw terminal 2.5mm² max. Earthing conductor 2 mm² - length 60cm |
| Mounting                                                                                                    |               | Symmetrical rail 35 mm (EN 60715)                                 |



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### DLPM1-230L

|                                   |    |                               |
|-----------------------------------|----|-------------------------------|
| Housing material                  |    | Thermoplastic UL94 V-0        |
| Operating temperature             | Tu | -40/+85°C                     |
| Protection rating                 |    | IP20                          |
| Failsafe mode                     |    | Disconnection from AC network |
| Disconnection indicator           |    | 1 mechanical indicator        |
| Operating indicator               |    | Green Indicator               |
| Remote signaling of disconnection |    | No                            |
| Dimensions                        |    | See diagram                   |
| <b>Disconnectors</b>              |    |                               |
| Thermal disconnector              |    | Internal                      |
| Installation ground fault breaker |    | Type 'S' or delayed           |
| <b>Standards</b>                  |    |                               |
| Standards compliance              |    | EN 61643-11 / IEC 61643-11    |
| Certification                     |    | CB                            |
| <b>Part number</b>                |    |                               |
| <b>355913</b>                     |    |                               |

