



# Surge protector for LED lighting system Class 1

## CITEL DLPM1-230L



- Type 2 (or 3) surge protectors for LED classe I
- Mechanical status indicator
- Very compact (low profile)
- DIN rail mounting
- Screw terminal connection
- AC line Disconnection in end of life
- EN 61643-11 compliance



|  |                                   |   |
|--|-----------------------------------|---|
|  | <b>Electrical Characteristics</b> |   |
|  | SPD type                          | 2 (or 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. 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  |
| 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   |
| 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 / 5 kA  |
| 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   | Isc cr                            | 10 000 A  |
| <b>Mechanical Characteristics</b>  |                                   |   |
| Technology   |                                   | MOV+GDT   |
| Connection to Network  |                                   | Screw terminal 2.5mm <sup>2</sup> max. Earthing conductor 2 mm <sup>2</sup> - length 60cm |
| Mounting   |                                   | Symmetrical rail 35 mm (EN 60715)   |
| Housing material   |                                   | Thermoplastic UL94 V-0  |
| Operating temperature  | Tu                                | -40/+85°C   |
| Protection rating  |                                   | IP20  |
| Failsafe mode  |                                   | Disconnection from AC network   |
| Disconnection indicator  |                                   | LED green OFF and AC network cut-off  |
| Voltage/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>   |                                   |   |
| 355913   |                                   |   |

