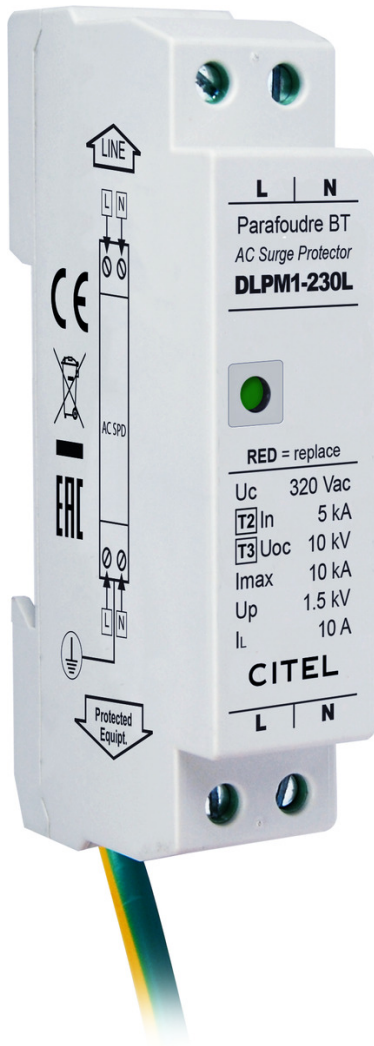




CITEL

Surge protector for LED lighting system Class 1

DLPM1-230L/CM8



- 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 compliance



| 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. <i>Without disconnection</i> | UT | 335 Vac withstand |
| Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i> | UT | 440 Vac disconnection |
| Temporary Over Voltage N/PE (TOV HT) <i>Without disconnection or with safety disconnection</i> | UT | 1200 V/300A/200 ms disconnection |
| Residual Current <i>Leakage current to Ground</i> | Ipe | None |
| Nominal discharge current <i>15 x 8/20 µs impulses</i> | In | 5 kA |
| Max. discharge current <i>max. withstand @ 8/20 µs by pole</i> | Imax | 10 kA |
| Total Maximum discharge current <i>max. total withstand @ 8/20 µs</i> | Imax Total | 20 kA |
| Withstand on Combination waveform IEC 61643-11 <i>Class III test: 1.2/50µs - 8/20µs</i> | 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 <i>@ In (8/20µs)</i> | Up L/N | 1.5 kV |
| Protection level L/PE <i>@ In (8/20µs)</i> | Up L/PE | 1.5 kV |
| Admissible short-circuit current | Iscsr | 10 000 A |
| Mechanical Characteristics | | |
| Technology | | MOV+GDT |
| Connection to Network | | Screw terminal 2.5mm ² max. Earthing conductor 2 mm ² - length 60cm |
| Mounting | | Symmetrical rail 35 mm (EN 60715) |



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Surge protector for LED lighting system Class 1

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| | | |
|-----------------------------------|----|-------------------------------|
| Accessory(s) provided | | screw, washer, cable shoe |
| 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 |
| Disconnectors | | |
| Thermal disconnector | | Internal |
| Installation ground fault breaker | | Type 'S' or delayed |
| Standards | | |
| Standards compliance | | EN 61643-11 / IEC 61643-11 |
| Certification | | CB |
| Part number | | |
| 3559131 | | |

