



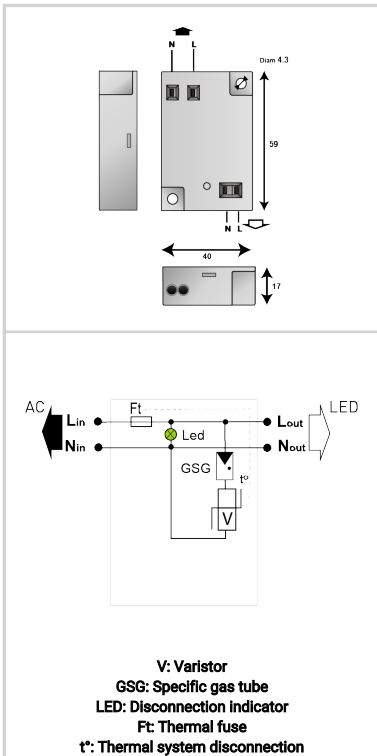
# CITEL

## Surge protector for LED lighting system Class 2

### MLPC-VG2-230L-R



- Type 2 (or 3) surge protectors for LED
- Class 2
- Very compact
- Plate mounting
- Spring terminal connection
- 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                                             |
| 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 withstand                                 |
| 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                                             |
| Withstand on overvoltages IEEE C62.41.1                                                                  |            | 10 kV                                             |
| Protection mode(s)                                                                                       |            | Differential Mode                                 |
| Protection level L/N @ In (8/20μs)                                                                       | Up L/N     | 1.5 kV                                            |
| Admissible short-circuit current                                                                         | Iscrr      | 10 000 A                                          |
| Mechanical Characteristics                                                                               |            |                                                   |
| Technology                                                                                               |            | VG Technology (MOV+GSG)                           |
| Connection to Network                                                                                    |            | By spring - max. cross section 1.5mm <sup>2</sup> |
| 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                                       |
| Disconnectors                                                                                            |            |                                                   |
| Thermal disconnector                                                                                     |            | Internal                                          |
| Installation ground fault breaker                                                                        |            | Type 'S' or delayed                               |
| Standards                                                                                                |            |                                                   |
| Standards compliance                                                                                     |            | EN 61643-11 / IEC 61643-11                        |
| Certification                                                                                            |            | KEMA / ENEC05                                     |
| Part number                                                                                              |            |                                                   |
| <b>837211</b>                                                                                            |            |                                                   |

