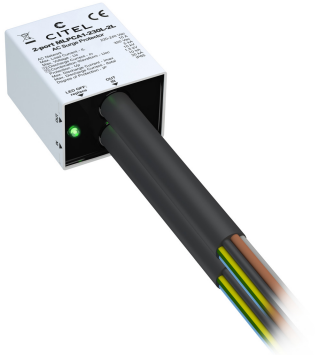
*Compact Type 2 hard wired surge protector*

# 2-port MLPCA1-230L-2L

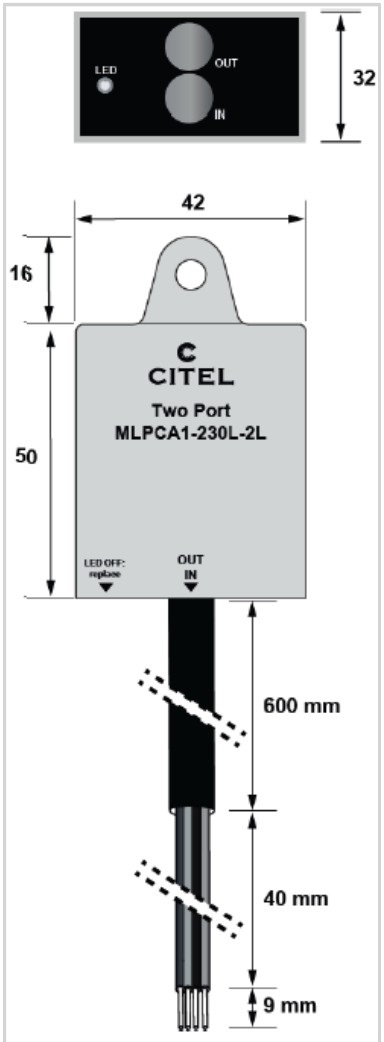


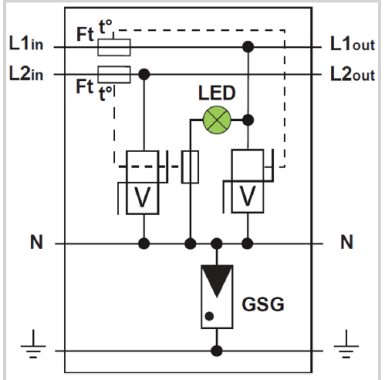
- Compact type 2+3 surge protection
- For equipment of protection class I
- Simple installation due to two-port design
- Fully encapsulated housing with rubber tubing (IP65)
- Status signalling
- Device defect disconnection from the mains and current circuit disconnection
- Complies with IEC 61643-11 and EN 61643-11 standards
- Particularly suitable for end circuits: e.g. LED lighting with additional protection of a control phase

| **Electrical Characteristics** | | |
|---|---|---|
| SPD type | IEC | 2+3 |
| Network | | 220-240 V Single-phase |
| AC system | | TT-TN |
| Nominal line voltage | Un | 230 V |
| 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 |
| Follow current | If | 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 Total | 30 kA |
| Withstand on Combination waveform IEC 61643-11<br>*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<br>*@ In (8/20µs)* | Up | 1.5 kV |
| 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 | Isccr | 10 000 A |
| **Mechanical Characteristics** | | |
| Technology | | MOV+GDT |
| Connection to Network | | 4-wire rubber hose line 1.5mm² (in/out) |
| Mounting | | Wall or plate |
| Housing material | | Thermoplastic UL94 V-0 |
| Operating temperature | Tu | -40/+85°C |
| Protection rating | | IP65 |
| 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 | | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |
| Certification | | CE / UKCA |
| **Part number** | | |
| **835285** | | |

*Compact Type 2 hard wired surge protector*

# 2-port MLPCA1-230L-2L




V: Varistor
GSG: Specific gas tube
LED: Disconnection indicator
Ft: Thermal fuse
t°: Thermal system disconnection