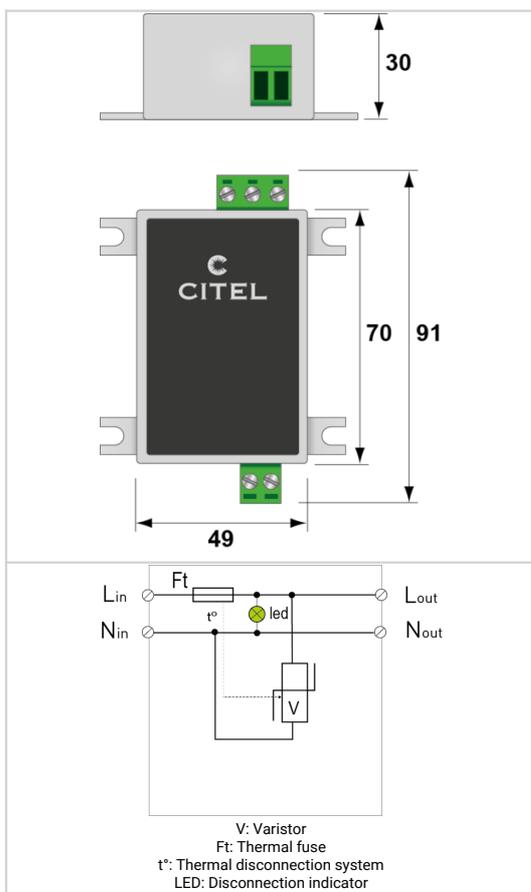


MLP2-230L-P



Specially developed spd with combined protection for 2-phase power supply (control phase):

- ✦ Many variants available depending on application
- ✦ With screw terminals or cable wiring
- ✦ IP65 versions
- ✦ For protection class I or II application
- ✦ Developed for U_{oc} : 10 kV and I_{max} : 10 kA for highest outdoor requirements according to IEEE & ANSI
- ✦ Optical error signalling



| 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 | 305 Vac |
| Max. frequency | f max. | 10 MHz |
| Max. load current @25°C | IL | 2.5 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 |
| Residual Current | Ipe | None |
| Leakage current to Ground | | |
| Follow current | If | None |
| Nominal discharge current 15 x 8/20 μ s impulses | In | 5 kA |
| Max. discharge current max. withstand @ 8/20 μ s by pole | I _{max} | 10 kA |
| Total Maximum discharge current max. total withstand @ 8/20 μ s | I _{max} Total | 20 kA |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50 μ s - 8/20 μ s | Uoc | 10 kV / 5 kA |
| Withstand on overvoltages IEEE C62.41.1 | | 10 kV / 10 kA |
| Protection mode(s) | | Differential Mode |
| Protection level @ In (8/20 μ s) | Up | 1.5 kV |
| Protection level L/N @ In (8/20 μ s) | Up L/N | 1.5 kV |
| Protection level L/PE @ In (8/20 μ s) | Up L/PE | 1.5 kV |
| Admissible short-circuit current | I _{scrr} | 10 000 A |
| Mechanical Characteristics | | |
| Technology | | MOV+GDT |
| Connection to Network | | By screw terminal: 1.5mm ² max. |
| 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 |
| Remote signaling of disconnection | | No |
| 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 |
| Part number | | 721212 |