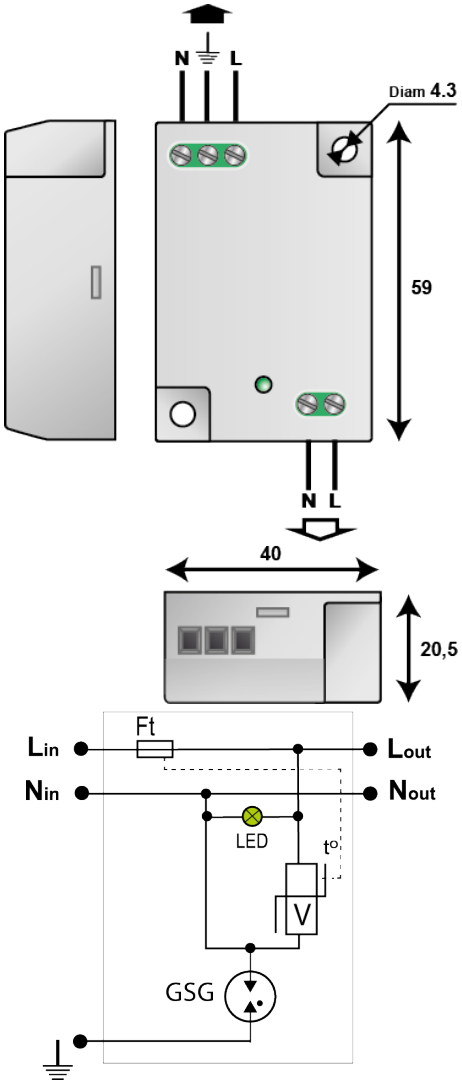


MLPC1-230L-V

- Type 2 (or 3) surge protectors for LED
- Class 1
- Very compact
- Plate mounting
- Screw terminal connection
- Status indicator
- Disconnection AC end of life
- EN 61643-11 compliance

Electrical Characteristics		
SPD type *following IEC test*		2+3
Network		220-240 V single-phase
AC system		TT/TN
Nominal line voltage	*Un*	230-277 Vac
Max. AC operating voltage L-N	*Uc*	320 Vac
Max. load current	*IL*	5 A
Temporary Over Voltage (TOV) Charasteristics - 5 sec. *without disconnection*	*UT*	335 Vac withstand
Temporary Over Voltage (TOV) Charasteristics - 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 lightning current *max. total withstand @ 10/350µs*	*Itotal*	20 kA
Withstand on Combinaison 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
Admissible short-circuit current	*Isccr*	10000 A
Protection mode(s)		Common/Differential mode
Protection level *@ In (8/20µs)*	*Up*	1.5 kV
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
Protection level CM/DM *@ In (8/20µs)*	*Up mc/ md*	1.5 kV/ 1.5 kV
Internal short circuit protection		No
Internal Thermal protection		Yes



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

Mechanical Characteristics		
Technology		MOV+GDT
Connection to Network		2 screw terminals opposite side in/out - wire 2.5 mm² max.
Mounting		On plate
Housing material		Thermoplastic UL94-V0
Operating temperature		-40/+85°C
Protection rating		IP20
Failsafe behavior		Disconnection and AC line cut-off
Disconnection indicator		Led green OFF and AC network cut-off
Voltage/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		EAC / TUV /IMQ
Part Number		831221