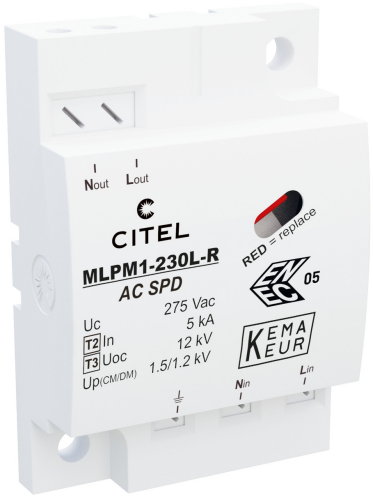
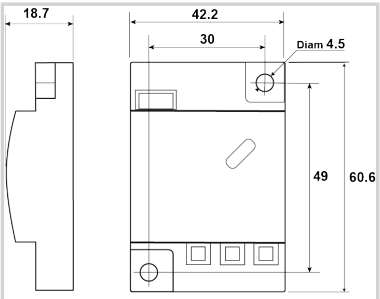
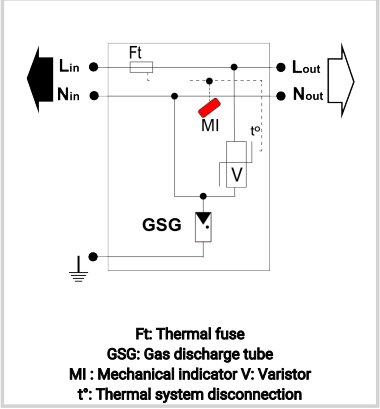
Surge protector for LED lighting system Class 1

MLPM1-230L-R



- Type 2 (or 3) surge protectors for LED
- For single phase 230 V network
- Class 1
- Very compact
- Plate mounting
- Spring terminal connection
- Status indicator
- End of life : AC Disconnection
- EN 61643-11, IEC 61643-11 certified





Ft: Thermal fuse
GSG: Gas discharge tube
MI : Mechanical indicator V: Varistor
t°: Thermal system disconnection

Electrical Characteristics		
SPD type	IEC	2+3
Network		220-240 V Single-phase
AC system		TT-TN
Max. AC operating voltage	Uc	275 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 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 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	12 kV
Protection mode(s)		Common/Differential mode
Protection level L/N *@ In (8/20µs)*	Up L/N	1.2 kV
Protection level L/PE *@ 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		2 spring terminals opposite side in/out - wire 1.5mm² 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		Red indicator
Operating indicator		Mechanical
Dimensions		See diagram
Weight		0.027 kg
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		
841211		