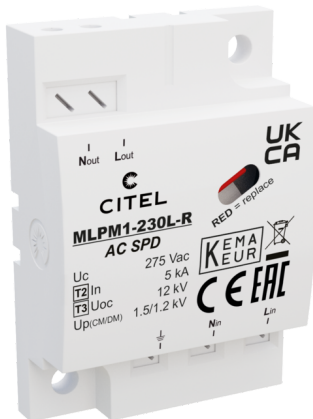
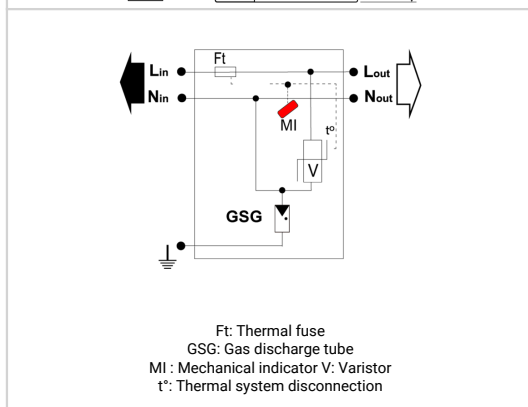
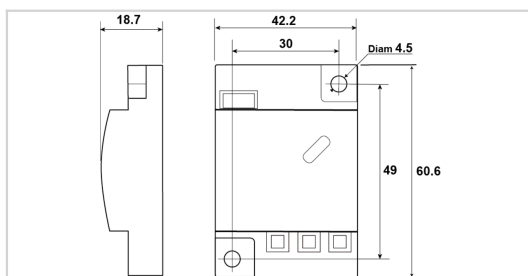


## MLPM1-230L-R



- ✦ 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



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	Ipe	None	
Leakage current to Ground			
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	Iscsr	10 000 A	
Mechanical Characteristics			
Technology		MOV+GDT	
Connection to Network		2 spring terminals opposite side in/out - wire 1.5mm <sup>2</sup> 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	
Voltage/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	