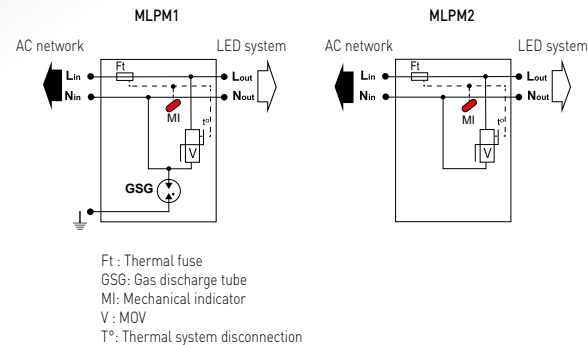
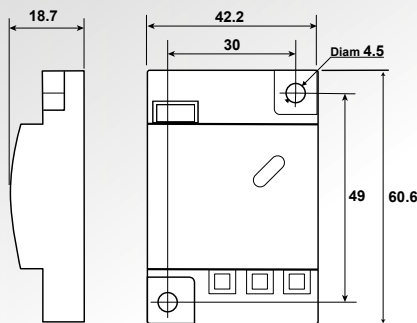


Surge Protectors for LED luminaire MLPM range



- Type 2 (or 3) surge protector for Led lighting
- For single phase 230 V network
- Very compact
- Plate mounting
- Spring terminal connection
- Status indicator
- End of life : AC Disconnection
- IEC 61643-11 and EN 61643-11 compliance

Characteristics

CITEL Model		MLPM1-230L-R	MLPM2-230L-R
Description		Surge protectors for LED lighting system Class 1	Surge protectors for LED lighting system Class 2
Network		220-240 V single phase	220-240 V single phase
AC system		TT-TN	TT-TN
Protection mode(s)		CM/DM*	DM*
Max. AC operating voltage	Uc	320 Vac	320 Vac
Max. Load current	IL	10 A	10 A
Residual current - Leakage current at Uc	Ipe	None	-
Temporary Over Voltage (TOV) Characteristics - 5 sec.	UT	335 Vac withstand	335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn	UT	440 Vac disconnection	440 Vac disconnection
Temporary Over Voltage (TOV HT)	UT	1200 V/300 A/200 ms disconnection	-
Nominal discharge current - 15 x 8/20 μ s impulses	In	5 kA	5 kA
Max. discharge current - max. withstand @ 8/20 μ s by pole	Imax	10 kA	10 kA
Total lightning current - max. total withstand @ 8/20 μ s	Itotal	20 kA	-
Withstand on Combination waveform - Class III test	Uoc	10 kV/5 kA	10 kV/5 kA
Protection level CM/DM @In (8/20 μ s) and @ 6kV (1.2/50 μ s)	Up	1.5 kV/ 1.2 kV	1.2 kV
Admissible short-circuit current	Iscsr	10000 A	10000 A
Associated disconnectors			
Thermal disconnector		internal	
Mechanical characteristics			
Dimensions		see diagram	
Connection to Network		2 spring terminals opposite side in/out - Wire 1.5 mm ² max.	
Voltage/operating indicator		Mechanical	
Disconnection indicator		Red indicator	
Failsafe behavior		Disconnection and AC line cut-off	
Mounting		on plate	
Operating temperature		-40/+85°C	
Protection rating		IP20	
Housing material		Thermoplastic UL94-V0	
Standards compliance		EN 61643-11 / IEC 61643-11	
Part number		-	-

*I) CM/DM : Common Mode / Differential Mode