

Surge Protectors for LED lighting system MLPC series

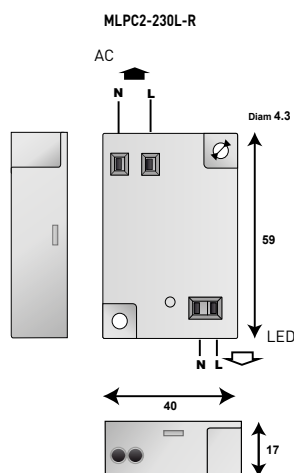
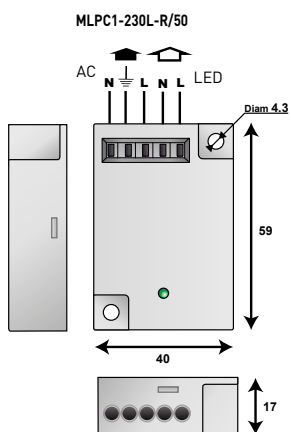
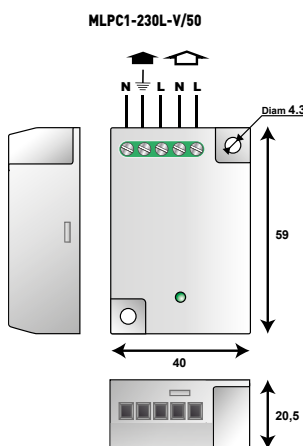
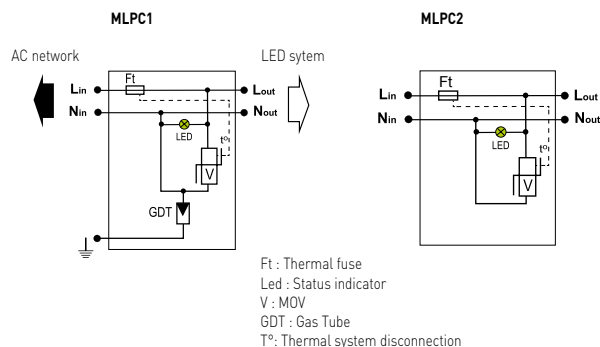
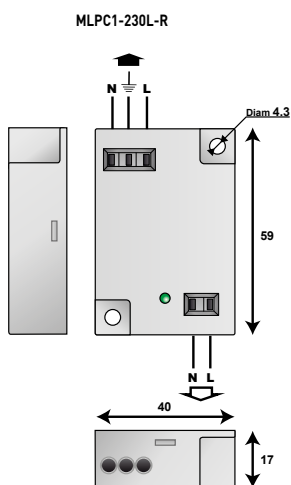
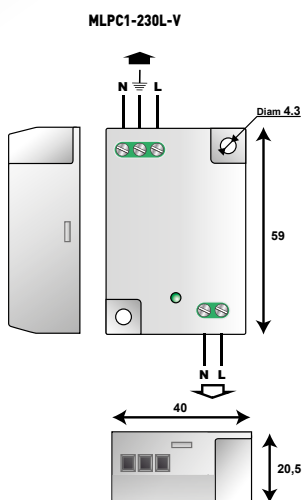
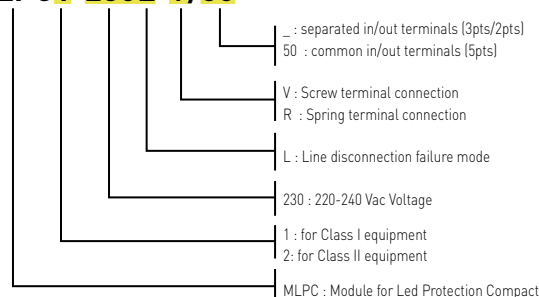


CITEL



- Type 2 (or 3) surge protectors for Led lighting
- Very compact
- Plate mounting
- Screw terminal or spring terminal connection
- Status indicator
- End of life AC Disconnection
- IEC 61643-11 and EN 61643-11 compliance
- TUV certification

MLPC1-230L-V/50



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Characteristics

CITEL Model		MLPC1-230L*		MLPC2-230L-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 - <i>Leakage current at Uc</i>	Ipe	none		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 N/PE (TOV HT)	UT	1200 V/300A/200 ms disconnection		-	
Nominal discharge current - <i>15 x 8/20 μs impulses</i>	In	5 kA		5 kA	
Max. discharge current - <i>max. withstand @ 8/20 μs by pole</i>	Imax	10 kA		10 kA	
Total lightning current - <i>max. total withstand @ 8/20 μs</i>	Itotal	20 kA		20 kA	
Withstand on Combination waveform - <i>Class III test</i>	Uoc	10 kV/5 kA		10 kV/5 kA	
Withstand on overvoltages IEEE C62.41.1		10 kV/10 kA		10 kV/10 kA	
Protection level CM/DM @In (8/20μs) and @ 6kV (1.2/50μs)	Up	1.5 kV/ 1.5 kV		1.5 kV	
Admissible short-circuit current	Iscsr	10000 A		10000 A	
Associated disconnectors					
Thermal disconnector		internal			
Installation ground fault breaker		Type "S" or delayed			
Mechanical characteristics					
Dimensions		see diagram			
Connection to Network		Screw or Spring contact terminal - 2,5 mm² max		2 screw terminals opposite side in/out - wire 2.5 mm² max.	
Voltage/operating indicator		Green Led ON			
Disconnection indicator		Disconnection and AC line cut-off			
Failsafe behavior		Led green OFF and AC network cut-off			
Remote signaling of disconnection		none			
Mounting		on plate			
Operating temperature		-40/+85°C			
Protection rating		IP20			
Housing material		Thermoplastic UL94-V0			
Standards compliance		EN 61643-11 / IEC 61643-11			
Model/Part number					
version Spring contact / 2 opposed terminals		MLPC1-230L-R	831211	MLPC2-230L-R	832211
version Screw terminal / 2 opposed terminals		MLPC1-230L-V	831221	-	-
version Spring contact / 1 common terminal		MLPC1-230L-R/50	831212	-	-
version Screw terminal / 1 common terminal		MLPC1-230L-V/50	831222	-	-

CM/DM: Common Mode / Differential Mode

