



# AC surge protector for LED Lighting system Class 1

# CITEL

## 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



	<b>Electrical Characteristics</b>	
	SPD type	2 (or 3)
	Network	220-240 V Single-phase
	AC system	TT-TN
	Max. AC operating voltage	Uc 320 Vac
	Max. load current @25°C	IL 5 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	I <sub>max</sub> 10 kA
	Total Maximum discharge current max. total withstand @ 8/20 μs	I <sub>max</sub> Total 20 kA
	Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs	Uoc 10 kV
	Withstand on overvoltages IEEE C62.41.1	10 kV / 10 kA
	Protection mode(s)	Common/Differential mode
	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
	Admissible short-circuit current	I <sub>sc</sub> 10 000 A
<p>V: Varistor GSG: Specific gas tube LED: Disconnection indicator Ft: Thermal fuse t*: Thermal system disconnection</p>	<b>Mechanical Characteristics</b>	
	Technology	MOV+GDT
	Connection to Network	2 screw terminals opposite side in/out - wire 2.5mm <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	LED green OFF and AC network cut-off
	Voltage/operating indicator	Green Led ON
	Dimensions	See diagram
	Weight	0.039 kg
<b>Disconnectors</b>		
	Thermal disconnector	Internal
	Installation ground fault breaker	Type 'S' or delayed
<b>Standards</b>		
	Standards compliance	EN 61643-11 / IEC 61643-11
	Certification	IEC / TUV /IMQ
<b>Part number</b>		
831221		

