



CITEL

AC surge protector for LED Lighting system Class 1

MLPC1-230L-V/DL



- ▶ Type 2 (or 3) surge protector for Class 1 LED Lighting
- ▶ Combined AC/Dataline surge protection
- ▶ DALI, DMX, RS485, 0-10V datalines compliance
- ▶ Shield wire management
- ▶ Optimized coordination with driver (option : MLPCH1-230L-V/DL)
- ▶ Compact dimensions
- ▶ Screw connection
- ▶ Max. discharge current 10 kA
- ▶ Certified IEC 61643-11 and IEC 61643-21



	Electrical Characteristics		
	Network	230 V single-phase	
	AC system	TT-TN	
	Max. Data operating voltage	Uc	28 Vdc
	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
	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
	Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs	Uoc	10 kV / 5 kA
	Protection mode(s)		Common/Differential mode
	Protection level Following the test category C3 (IEC61643-21) - Line/Line	Up	50 V
	Protection level L/N @ In (8/20μs)	Up L/N	1.5 kV
	Protection level N/PE @ In (8/20μs)	Up N/PE	1.5 kV
	Nominal discharge current C2 Category	In	5 kA
	Admissible short-circuit current	Isc cr	10 000 A
	Mechanical Characteristics		
	Technology		MOV+GDT
	Connection to Network		By screw terminal: 1.5mm ² max.
	Mounting		On plate
	Housing material		Thermoplastic UL94 V-0
	Operating temperature	Tu	-40/+85°C
	Protection rating		IP20
	Failsafe mode		Disconnection, Green Led OFF and power cut off
	Disconnection indicator		LED green OFF and AC network cut-off
	Dimensions		See diagram
	Weight		0.055 kg
	Standards		
	Standards compliance		IEC 61643-11 / EN 61643-11 / IEC 61643-21 / EN 61643-21 / UL1449 ed.5
	Certification		KEMA
	Part number		831223

