



# Surge and Electrostatic protector for Class II LED lighting system

# CITEL

## MLPC2-230L-R/ESP2



- Type 2 (or 3) Surge & Electrostatic protectors
- For Class II Led lighting
- Improved coordination with internal MOV
- Electrostatic protection included
- Comply class II safety rules
- Very compact
- Plate mounting
- Spring terminal connection
- Status indicator
- End of life AC Disconnection
- IEC 61643-11 and EN 61643-11 compliance



	<b>Electrical Characteristics</b>	
	SPD type	2+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
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 level @ In (8/20μs)	Up	1.5 kV
Admissible short-circuit current	I <sub>sc</sub>	10 000 A
Electrostatic protection level	U <sub>esp</sub>	> 0.5 kV
Electrostatic protection mode	N/Functional Earth	
<b>Mechanical Characteristics</b>		
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	0.035 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	
<b>Part number</b>		
832217		
<p>V: Varistance Ft : Thermal fuse LED: Status indicator ESP: Electrostatic protection t*: Thermal system disconnection FE: Functional earth L: Coordination component</p>		

