



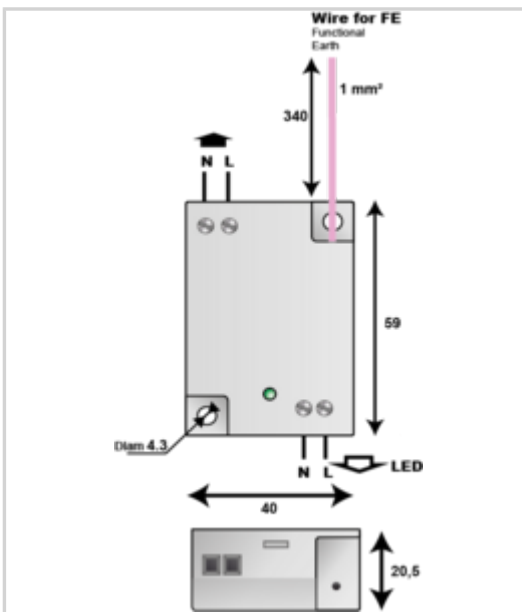
# Surge and Electrostatic protector for Class II LED lighting system

# CITEL

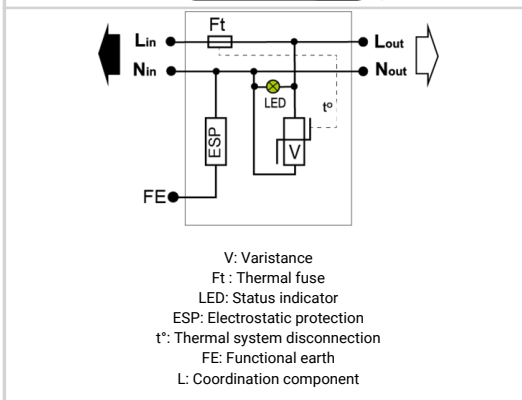
## MLPC2-230L-V/ESP2



- 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
- Screw terminal connection
- Status indicator
- End of life AC Disconnection
- IEC 61643-11 and EN 61643-11 compliance



Electrical Characteristics	
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



V: Varistance  
 Ft : Thermal fuse  
 LED: Status indicator  
 ESP: Electrostatic protection  
 t\*: Thermal system disconnection  
 FE: Functional earth  
 L: Coordination component

Mechanical Characteristics	
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	0.042 kg

Disconnectors	
Thermal disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed

Standards	
Standards compliance	EN 61643-11 / IEC 61643-11
Certification	
Part number	832227

