



# CITEL

## AC surge protector for LED Lighting system Class 1

### MLPC1-230L-V/2L



- Type 2 (or 3) surge protector for Class I LED Lighting
- AC surge protection for 2-Phase + Neutral network
- Compact dimensions
- Screw connection
- Max. discharge current 10 kA
- Certified IEC 61643-11



**KEMA**  
KEUR



#### Electrical Characteristics

SPD type	IEC	2+3
Network		2-phase + N 230 V
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	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)		L1/N, L2/N and N/PE
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
Admissible short-circuit current	Isccr	10 000 A

#### Mechanical Characteristics

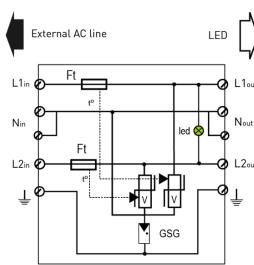
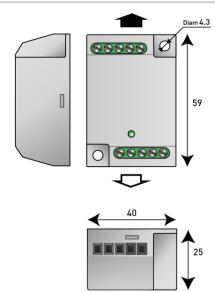
Connection to Network	1 screw contact single side in/out - wire 2.5mm <sup>2</sup> max.
Mounting	On plate
Housing material	Thermoplastic UL94 V-0
Operating temperature	Tu -40/+85°C
Protection rating	IP20
Failsafe mode	Disconnection, Green Led OFF and power cut off
Disconnection indicator	LED green OFF and AC network cut-off
Operating indicator	Green Led ON
Dimensions	See diagram

#### Disconnectors

Thermal disconnector	Internal
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#### Standards

Standards compliance	IEC 61643-11 / EN 61643-11
Certification	KEMA / ENEC05
Part number	831225



G: Gas tube 2-pole  
G3: Gas tube 3-pole  
D: Clamping diode network  
V: Varistor  
LED: Status indicator  
Ft: Thermal fuse

