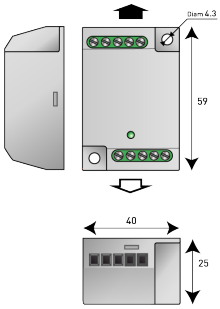
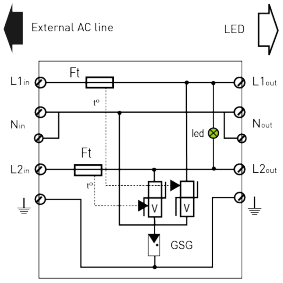
AC surge protector for LED Lighting system Class 1

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





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

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 2.5mm² 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
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11
Certification		KEMA / ENEC05
Part number		
831225		