



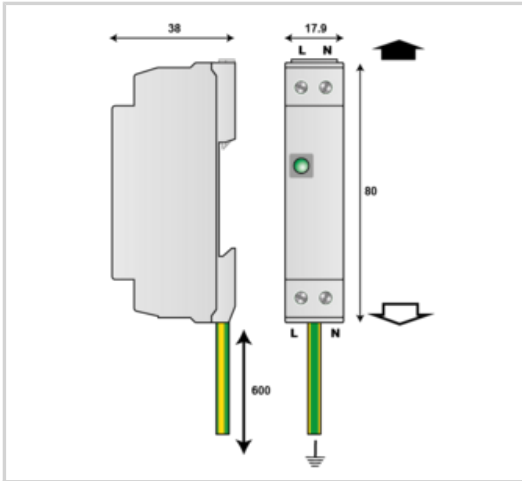
# Surge protector for LED lighting system Class 1

# CITEL

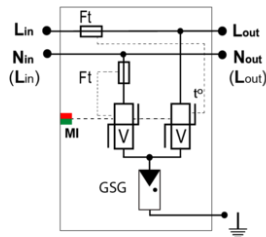
## DLPM1-230L/Y



- Type 2 (or 3) surge protectors for LED
- For single-phase or biphas network
- Very compact (low profile)
- DIN rail mounting
- Screw terminal connection
- Mechanical status indicator
- Disconnection AC end of life
- EN 61643-11 compliance



Electrical Characteristics	
SPD type	2 (or 3)
Network	220-240 Vac Single-phase or biphas network
AC system	TN
Nominal line voltage	Un 230-277 Vac
Max. AC operating voltage	Uc 320 Vac
Max. load current @25°C	IL 10 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
Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection	UT 1200 V/300A/200 ms breaker 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
Total Maximum discharge current max. total withstand @ 8/20 μs	Imax Total 20 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs	Uoc 10 kV / 5 kA
Withstand on overvoltages IEEE C62.41.1	10 kV / 10 kA
Protection mode(s)	Common/Differential mode
Protection level L/N @ In (8/20μs)	Up L/N 1.5 kV
Protection level L/PE @ In (8/20μs)	Up L/PE 1.5 kV
Admissible short-circuit current	Isc cr 10 000 A
Mechanical Characteristics	
Technology	MOV+GDT
Connection to Network	Screw terminal 2.5 mm <sup>2</sup> max. Earthing conductor 2 mm <sup>2</sup> - length 60 cm
Mounting	Symmetrical rail 35 mm (EN 60715)
Housing material	Thermoplastic UL94 V-0
Operating temperature	Tu -40/+85°C
Protection rating	IP20
Failsafe mode	Disconnection from AC network
Disconnection indicator	LED green OFF and AC network cut-off
Voltage/operating indicator	Green Indicator
Remote signaling of disconnection	No
Dimensions	See diagram
Weight	0.068 kg
Disconnectors	
Thermal disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed
Standards	
Standards compliance	EN 61643-11 / IEC 61643-11
Part number	355923



V: Varistor  
 GSG: Specific gas tube  
 Ft: Thermal fuse  
 MI: Mechanical status indicator  
 t\*: Thermal system disconnection

