

Data Sheet

Surge Protectors for LED lighting system MLPC series

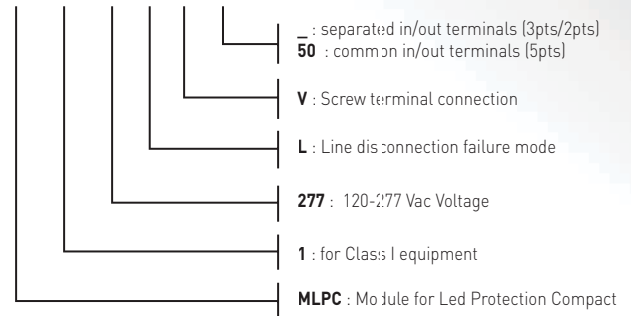


MLPC1-277L-V

MLPC1-277L-V/50

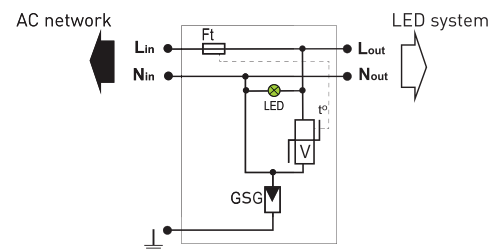
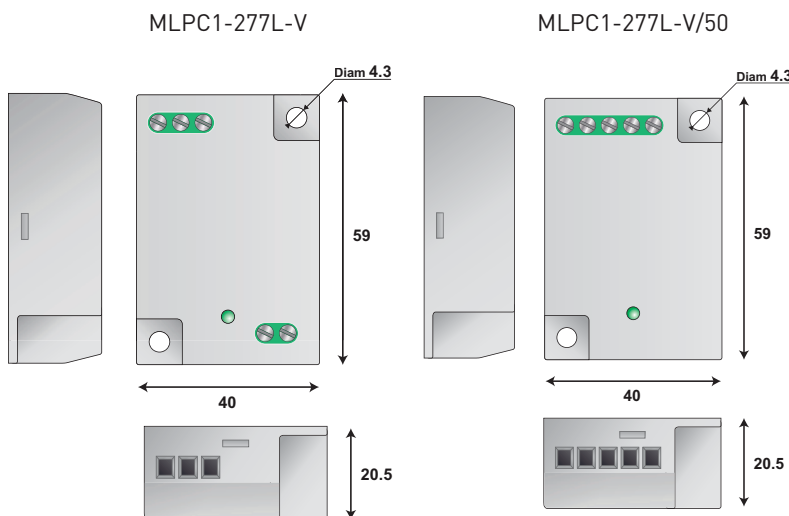
- **UL 1449 4th ed. Open Type 2**
- **120AC to 277AC Applications**
- **Plate mounting**
- **Screw terminal connection**
- **Status indicator**
- **End of life AC Disconnection**
- **EN 61643-11 compliance**
- **Series or Parallel installation**
- **Total Surge Rating - I_{total} : 20kA**
- **ANSI C136.2-2015**

MLPC1-277L-V/50



Dimensions and Diagrams

(in mm)



V : Varistor
 Ft : Thermal fuse
 LED : Disconnection indicator
 T° : Thermal system disconnection
 GSG : Gas-filled Spark Gap



CITEL

CITEL • 10108 USA Today Way • Miramar, FL 33025 • USA • Tel.: 954.430.6310 • Fax: 954.430.7785 • e-mail: info@citel.us • www.citel.us

U101201E

Document could be modified without notice

Data Sheet

Surge Protectors for LED lighting system MLPC series

Characteristics

CITEL part number	MLPC1-277L-xx	
Typical use	120-277 Vac single phase	
Max. load current	IL	5 A
Max. operating voltage	MCOV	385 Vac
Total Surge Rating	I _{total}	20kA
Max. discharge current 1 x 8/20 μs impulse	I _{max}	10 kA
Nominal discharge current 15 x 8/20 μs impulse	I _n	5 kA
Combination waveform (IEC 61643-11) 1.2/50μs - 8/20μs	U _{oc}	10 kV / 5 kA
Surge withstand IEEE C62.41.2 1.2/50μs - 8/20μs		10 kV / 10 kA
Voltage Protection Rating	VPR	1,200 V
Short Circuit Current Rating	SCCR	18,000 A
Mechanical characteristics		
Thermal disconnecter	internal	
Dimensions	see diagrams	
Fail safe end of life	Disconnection AC network cut-off Green LED off	
Mounting	On plate	
Operating temperature	-40/+85°C	
Housing material	Thermoplastic UL94V0	
Protection class	IP20	
Connection	Wire 1.5 mm ² max.	
AC network connection	MLPC1-277L-V 2 screw terminals opposite side	MLPC1-277L-V/50 1 screw contact terminal - single side
Standards compliance		
NF EN 61643-11	France	Parafoudre Basse Tension - Essai Classe II & III
IEC 61643-11	International	Low voltage SPD - Test Class II & III
UL1449 ed4	USA	Open Type 2
Part Number		
	MLPC1-277L-V	MLPC1-277L-V/50



CITEL

CITEL • 10108 USA Today Way • Miramar, FL 33025 • USA • Tel.: 954.430.6310 • Fax: 954.430.7785 • e-mail: info@citel.us • www.citel.us
Document could be modified without notice

U101201E