

Data Sheet

Surge Protectors for LED lighting system MLPC series

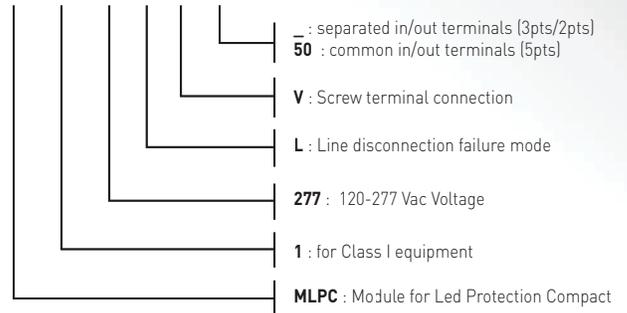


MLPC1-277L-V

MLPC1-277L-V/50

- **UL 1449 4th ed. Open Type 2**
- **Very compact**
- **Plate mounting**
- **Screw terminal connection**
- **Status indicator**
- **End of life AC Disconnection**
- **EN 61643-11 compliance**
- **Series or Parallel installation**
- **Total Surge Rating - Itotal : 20kA**

MLPC1-277L-V/50

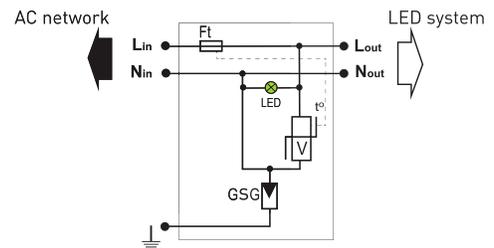
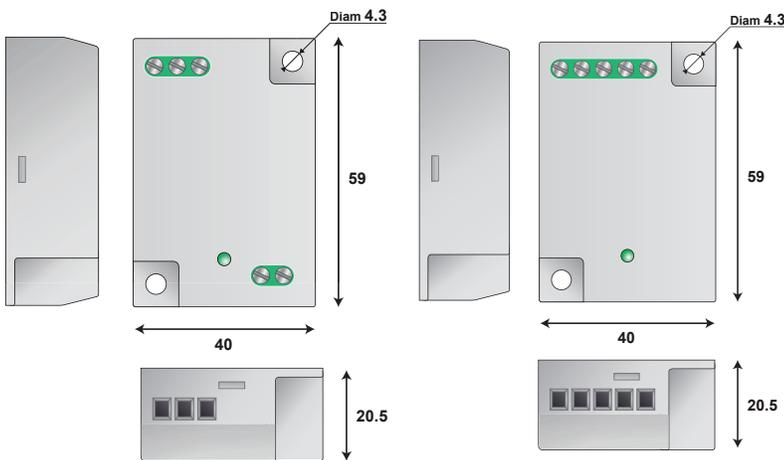


Dimensions and Diagrams

(in mm)

MLPC1-277L-V

MLPC1-277L-V/50



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



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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		<table border="1"> <tr> <td>MLPC1-277L-V 2 screw terminals opposite side</td> <td>MLPC1-277L-V/50 1 screw contact terminal - single side</td> </tr> </table>	MLPC1-277L-V 2 screw terminals opposite side	MLPC1-277L-V/50 1 screw contact terminal - single side
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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				
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