

Surge Protectors for LED lighting system MLPC series

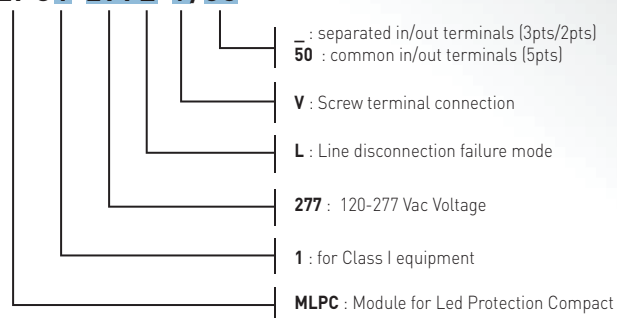


MLPC1-277L-V

MLPC1-277L-V/50

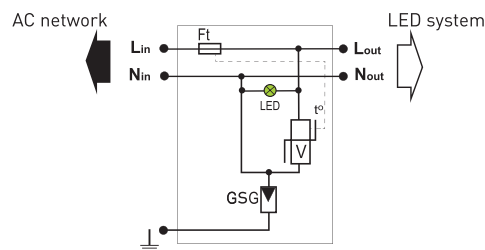
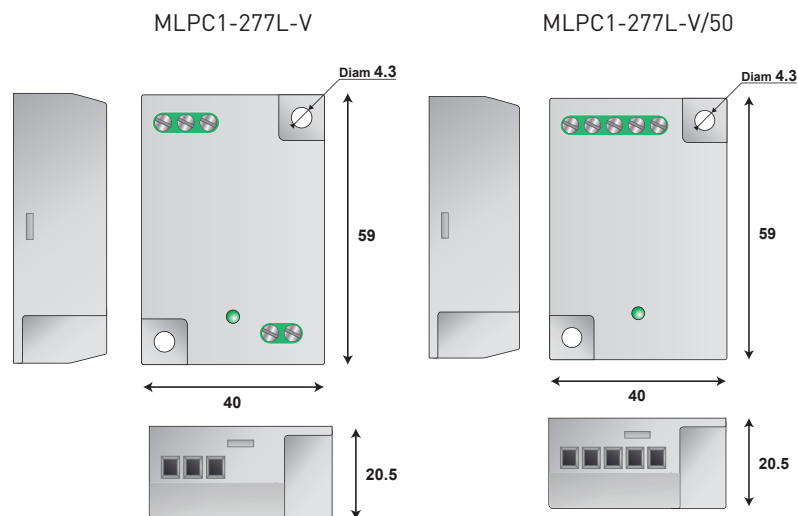
- **UL Type 2CA surge protectors for Led lighting**
- **Very compact**
- **Plate mounting**
- **Screw terminal connection**
- **Status indicator**
- **End of life AC Disconnection**
- **EN 61643-11 compliance**
- **Series or Parallel installation**

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



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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
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	20,000 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 mm² 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	2CA
Part Number		
	MLPC1-277L-V	MLPC1-277L-V/50



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