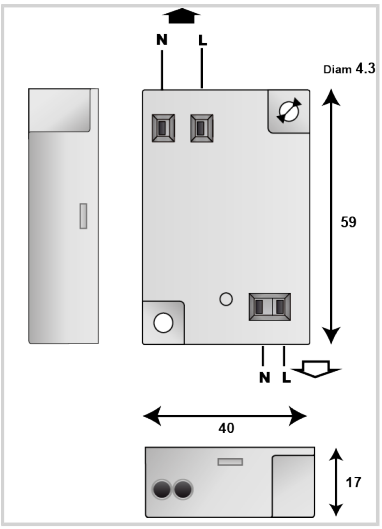
UL TYPE 4CA - Imax 22kA - In 10kA

MLPC1-277L-V/50-Ex



- UL121201 Hazardous Locations
- UL1449 5th ed. Type 2 SPD
- ANSI C136.2
- 120 VAC to 277 VAC
- Plate Mounting
- Screw Terminal Connection
- Series or Parallel Installation
- Status indicator
- Disconnection AC end of life
- Total Surge Rating – Itotal: 20kA



Electrical Characteristics		
Nominal line voltage	Un	100 V-277 V
Max. load current @25°C	IL	5 A
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	10 kA
Nominal discharge current *C2 Category*	In	5 kA
Total Maximum discharge current *max. total withstand @ 8/20 µs*	Imax Total	20 kA
POWER SPD TYPE		UL1449 TYPE 2 LISTED
VOLTS	(V)	277
AC/DC/DC PV/RF		AC
PHASE	(PH)	1
AMPS	(A)	5
AMBIENT MIN	(C)	-40
AMBIENT MAX	(C)	+85
MODES		L-L, L-G, L-N, N-G
VPR	(V)	1500/1500/1200
MCOV	(V)	385/385/255
IN *15 impulses 8/20µs*	(kA)	5
SCCR	(kA)	18
IMAX *8/20µs*	(kA)	10
Installation		
Wiring type		Screw
Solid wire cross section*Min*	mm²	0.5000
Solid Wire cross section*Max*	mm²	1.5000
Wire gauge*Min*	AWG	20.0000
Wire gauge*Max*	AWG	16.0000
Torque	Nm	0,25
Torque	in-lbs	2,1
Strip Length	mm	10.0000
Strip Length	in	0.3900
Operating Relative Humidity*Max*	%RH	95
Operating Altitude*Min*	Ft	2000.0000
Operating Altitude*Max*	Ft	6500.0000
Housing/Enclosure material		Thermoplastic
Flammability rating*UL 94*		V0
Mounting		Surface mount
IP Environmental rating*IP*		IP20
Installation Location		indoor
Product Dimension*L*	mm	59.0000
Product Dimension*H*	mm	20.5000
Product Dimension*W*	mm	40.0000
Product Dimension*L*	In	2.3200
Product Dimension*H*	In	0.8000
Product Dimension*W*	In	1.5700
Mechanical Characteristics		
TECHNOLOGY		MOV-GSG
NETWORK CONFIGURATION		2 pole, 2W+G, Single/Spilt Phase
CONNECTION METHOD		Screw Terminal (4-10AWG)
MOUNTING		FLANGE MOUNT
MATERIAL		Thermoplastic UL94-V0
NEMA RATING (IP RATING)		NEMA 2 (IP20)
FAIL-SAFE BEHAVIOR		Disconnection via fuse-link

MLPC1-277L-V/50-Ex

REAL-TIME DIAGNOSTICS		LED Indicator
DIMENSIONS		See diagram
WEIGHT		0.30 lbs
Standards		
Certification		UL Recognized
Environmental standards		EU RoHS
UL STANDARD		UL1449 5th Edition & UL121201
UL CATEGORY		VZCA, VZCA7, VZCH, VZCH7
UL FILE NUMBER		E326289, E527348
UL121201 HAZARDOUS LOCATION		Class I, Division 2, Groups A, B, C & D: Operating Temp. T4A
STANDARDS		IEC 61643-11, NOM-003-SCFI-2014, NOM-001-SCFI-1993
ANSI/IEEE C62.41		Category C 20kV/10kA
ANSI/IEEE C136.2		Enhanced Category 10kV/5kA
Part number		
897018		