



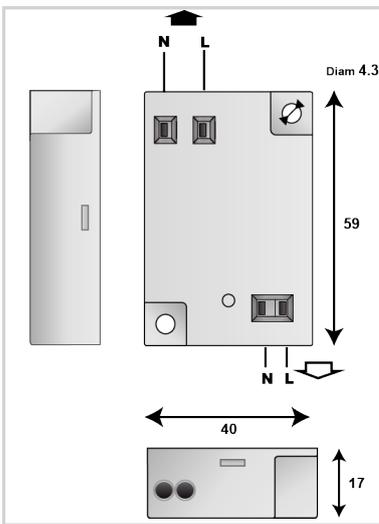
CITEL

UL TYPE 4CA - I_{max} 22kA - I_n 10kA

MLPCA1-277L-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 – I_{total}: 20kA



Electrical Characteristics

Nominal line voltage	Un	100 V-277 V
Max. load current @25°C	IL	5 A
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	10 kA
Nominal discharge current <i>C2 Category</i>	I _n	5 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	I _{max} 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 <i>15 impulses 8/20μs</i>	(kA)	5
SCCR	(kA)	18
IMAX <i>8/20μs</i>	(kA)	10

Installation

Wiring type		Screw
Solid wire cross section _{Min}	mm ²	0.5000
Solid Wire cross section _{Max}	mm ²	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



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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	

