

MSA

METER SOCKET ADAPTER SECONDARY SURGE ARRESTER



The Meter Socket Adapter is the primary means of residential power protection. These units have been protecting homes since 1989 to provide protection of high surge current capability and low clamping voltage.

The MSA uses custom designed spring loaded, high conductivity copper jaw blades. Specially configured LED's, one for each 120 volt circuit, are used to monitor the integrity of each surge arrestor circuit. Designed for continuous duty in excess of 200,000 hours, the LED's provide a simple, reliable, visual indication of circuit protection status and power per phase. The MSA provides quick and easy installation into the meter socket base.

Features

UL OWHX Secondary Surge Arrestor Listed

UL 414, UL 746C, UL 157 AND CUL

Patented Wagon Wheel® Technology

High performance, symmetrically balanced circuit array provides optimum MOV performance

Modes of Protection

Normal mode (L-N, L-L)

Individual MOV Fusing

Ensures uninterrupted protection at high surge current levels with fuse values up to MOV capacity

LED Indicator Lights

Provides visual indication of protection status, open neutral and power present

Glass Reinforced Lexan 503 Housing

Maximizes resistance to adverse weather conditions and UV stability

High Pressure Spring Loaded Jaw Assembly

Ensures positive connection for long duration
Maximum Cross Current Carrying Capability

Single Point Grounding System

Provides direct path to ground for excessive surges

Repetitive Impulse Tested

Ensures maximum performance and longevity

(Category C3 impulses per ANSI/IEEE C62.41 – 1991 and ANSI/IEEE C62.45-1992)

Tested to 60kA by Independent Lab

Provides verification of surge current capability

Complies with the National Electrical Code

Provides safe installation

Five Year Warranty

Provides replacement during the warranty period

Extended Warranty Available

Provides replacement during the extended warranty period.



SURGE SUPPRESSION SPECIALISTS

East Coast - HQ

800-654-8087

813-621-1324

813-621-8980

800

Phone

Fax

West Coast

800-881-8506

208-762-6188

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Model	Surge Current Capacity Per Phase	Modes of Protection	Surge Current Capacity Per Mode	Category Rating and Exposure Level	Clamping Voltage Performance
MSA 4-JAW	60kA	Normal: L-N Differential: L-L	L-N: 60kA L-L: 120kA	Category C3 High Exposure	L-N: 460V
MSA 5-JAW	60kA	Normal: L-N Differential: L-L	L-N: 60kA L-L: 120kA	Category C3 High Exposure	L-N: 460V

Questions	Answer
Who was the first to offer a combination of both a meter socket adapter and plug-in devices?	LEA
Who was first with advanced multiple MOV technology?	LEA
Who was first with visual diagnostic lights on a meter socket adapter?	LEA
Who was first to offer an extended product warranty?	LEA
Who was first to offer an equipment protection program for protected equipment in the home?	LEA
Who was first with the UL OLVHX (surge arrestor) listing?	LEA
Who was first to pass the 10,000 amp end-of-life test?	LEA
Who was first to offer a full line of commercial and industrial TVSS devices to complement the residential devices?	LEA

Electrical/Mechanical Specifications

Nominal Operating Voltage: 120 VAC
 Frequency Range: 47 – 63 Hz
 Response Time: <1 nanosecond
 Efficiency at Full Load: >99%
 Nominal Clamping Voltage/Phase: 460 V



Ordering:

Please specify model number, voltage configuration and option suffix as needed.
 (example: MSA-120/240-D4)

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