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Delta Lightning Arrestors

Commercial Arrestors

Rapid Response, High Current Delta
Surge/Lightning Arrestors™ Help Prevent Damage
to Computers and other Electronic Equipment.
Category B & C and Type 1 & 2

300 Series Specifications

Type of Design	Silicon Oxide Varistor™
Maximum current	100,000 amps
Maximum energy	3,000 joules per pole
Maximum number of surges	Unlimited
Response time one milliamp test	5 nanoseconds
Response time to clamp 10,000 amps	10 nanoseconds
Response time to clamp 50,000 amps	25 nanoseconds
Leak current at double the rated voltage	none
Leads	36" #12 THHN
Case material	PVC
Locknut and Washer	1/2" - 3/4"
Category B & C and Type 1 & 2	

Conduction Characteristics

8 x 20 microsecond wave
shape
ANSI IEEE NEMA Standard

Discharge Current	5000 A	10000 A	20000 A	40000 A	60000 A	80000 A	100000 A
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Clamping Voltage (Line to Neutral)	240 V	480 V	840 V	1300 V	2000 V	3000 V	4000 V
Unlimited Operations						One Operation	
DELTA LIGHTNING ARRESTORS,™ INC.						P.O. BOX 750 BIG SPRING, TX 79721 432-267-1000 www.deltala.com deltala@msn.com	

LA 301

Weather Proof N-4
 Case Dimensions:
 2 1/4" Diameter
 4 1/2" High

LA301 - For
 120-250 V, Single
 Phase,
 2 Wire
 Service

Rated voltage
 125-250 Volt, two
 wire service.
 Used when one
 hot wire of a
 single phase
 system is to be
 protected.

LA 302

Weather Proof N-4
 Case Dimensions:
 2 1/4" Diameter
 4 1/2" High

LA302 - For
 120-250 V, Single
 Phase,
 3 Wire
 Service

Rated voltage
 125-250 Volt,
 three wire service.
 Used when two
 hot wires of a
 single phase
 system are to be
 protected.

LA 303

Weather Proof N-4
 Case Dimensions:
 2 1/4" Diameter
 4 1/2" High

LA303 - For 250
 V, Three Phase,
 3 or 4
 Wire
 Service

Rated voltage 250
 Volt, three or four
 wire service.
 Used when three
 hot wires of a
 three phase
 system are to be
 protected.

INSTALLATION:

Fasten arrestor in place. Use a Delta mounting bracket, part # MB, a pipe strap, or a knockout hole.

Connect the black wire to the hot line at any convenient point load-side of an existing fuse or circuit breaker. Connect the white wire to an existing ground system and the grounded metal frame work of the equipment to be protected, or make a ground source per NEC Article 250.

INSTALLATION:

Fasten arrestor in place. Use a Delta mounting bracket, part # MB, a pipe strap, or a knockout hole.

Connect the black wires to the hot line at any convenient point load-side of an existing fuse or circuit breaker. Connect the white wire to an existing ground system and the grounded metal frame work of the equipment to be protected, or make a ground source per NEC Article 250.

INSTALLATION:

Fasten arrestor in place. Use a Delta mounting bracket, part # MB, a pipe strap, or a knockout hole.

Connect the black wires to the hot line at any convenient point load-side of an existing fuse or circuit breaker. Connect the white wire to an existing ground system and the grounded metal frame work of the equipment to be protected, or make a ground source per NEC Article 250.

[LA301 Pricing](#)

[LA302 Pricing](#)

[LA303 Pricing](#)

Electrical work is hazardous. Bad connections can result in fire, injury or death. Installation must only be done by qualified electricians.

In the event that a lightning discharge is so powerful that something has to be destroyed, the arrestor will take the damage. When sufficient heat and stress causes failure, a one inch hole will open at the bottom of the enclosure. Hot silica and plastic bits will be expelled. Installing the arrestor in any approved electrical box will prevent accidental contact with a damaged unit.

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