

# Eaton UNS1808N31C1C1C

Catalog Number: UNS1808N31C1C1C

Eaton Cooper Power series arrester, Poly housing, 15.3 kV, 21 kV, 18", #6 AWG insulated wire, 2 ring term, Sil BRZ nut, lock washer and flat washer, Iso, 12" Cu ground strap, Sil BRZ nut and lock washer, Transformer mount brkt, VariSTAR, ND



## General specifications

Product Name	Catalog Number
Eaton Cooper Power series arrester	UNS1808N31C1C1C
UPC	Product Length/Depth
194006071093	9.1 in
Product Height	Product Width
19.2 in	3.4 in
Product Weight	Compliances
3.456 lb	Not Applicable
Certifications	
IEEE C62.11	

## Product specifications

### Type

UltraSIL polymer-housed VariSTAR arrester

### Special features

Normal-duty

### Application

Distribution

### Voltage rating

18 kV

### Material type

Polymer housing

### Duty cycle voltage rating

21 kV rms

### Standard

IEEE Standard C62.11-2005

### Frequency rating

50-60 Hz

### Mounting

Transformer mounted

### Equivalent front-of-wave

62.2 kV

### Discharge voltage - max

50.9; 54.9; 58.8; 64.3; 73.4; 85.3 kV (@1.5; 3; 5; 10; 20; 40 kA)

### Steep Current Residual Voltage (kV Crest)

61.6 kV

### Creep Distance

21.7 in/551 mm

### Line stud and lead options

18", #6 AWG insulated wire, 2 ring terminals

### Line terminal accessories

Silicone bronze nut, lock washer and flat washer

### Isolator options

Black isolator

### Ground terminal options

12" copper ground strap, silicone bronze nut and lock washer

## Resources

### Brochures

[Ultrasil Polymer Housed Varistar IEEE Surge Arrester Catalog](#)

### Specifications and datasheets

[Eaton Specification Sheet - UNS1808N31C1C1C](#)

#### Base/bracket configuration options

Insulated hanger

#### Mounting bracket options

Transformer mounting bracket

#### Nameplate options

Standard per IEEE C62.11

#### Packaging options

Bulk packed (assembled terminal hardware)

#### Hanger options

Insulated hanger

#### Nominal Discharge Current

5 kA

#### Maximum continuous operating voltage

15.3 kV rms



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