

SVN Arrester (318 kV MCOV)

By Ohio Brass
Catalog # [SVN396GA318AA](#)

SVN, 318kV MCOV, 396kV Duty Cycle Rating



Features

- IEEE silicone station class arrester
- IEEE 693 High Performance Qualification
- High quality MOV discs made in Wadsworth, Ohio since 1978
- Arresters assembled in Aiken, South Carolina
- 100% routine tested

Application

Station

Specifications

Industry Standard(s) IEEE

Conductor

Conductor Type Aluminum/Copper

Configuration

Mounting Position Upright

Current

Frequency Rating	48-62 Hz
MCOV	318 kV
Withstand Voltage - Switching Impulse	1612 kV
Maximum Switching Surge Protective Level @ 500A	758.0 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	1053.0 kV
Withstand Voltage - 60 Hz Wet	969 kVrms
Withstand Voltage - Lightning Impulse	1838 kV
Creep and Leakage Distance	457.1 in (11610 mm)
Maximum Discharge Voltage	• 816 kV @ 1.5 kA • 849 kV @ 3 kA • 878 kV @ 5 kA • 922 kV @ 10 kA • 984 kV @ 20 kA • 1083 kV @ 40 kA
Maximum Switching Surge Protective Level @ 1000A	781.0 kV

Duty Cycle	396 kV
Maximum Switching Surge Protective Level @ 2000A	809.0 kV
Pressure Relief Capability-Symmetrical rms (kA)	65

Dimensions

Bolt Circle Diameter	10.00 in
Diameter - Ring	80 in / 46 in
Depth	60 in
Diameter - Lug Hole	0.56 in (14 mm)
Height	152 in
Width	60 in
Thickness - Lug	0.25 in (7 mm) - 0.81 in (21 mm)
Minimum Mounting Spacing on Center (Sea Level) - Phase to Ground	1850 mm
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	2105 mm
Diameter - Single Bolt Hole(s)	0.56 in

Force Related

Cantilever Bending Strength - Max. 70000 in lbs

General

Color	Gray Housing
Product Type	SVN
UPC	096359527305
Type	Station
Mounting Hardware	Single Eyebolt Terminals
Material	Silicone Polymer Housing

Operational

Maximum Operating Altitude 12000 ft

Product Assets

[Catalog \[English\]](#)
[Installation Manual \[English\]](#)