

SVN Arrester (180 kV MCOV)

By OHIO BRASS
Catalog # [SVN228CA180AA](#)

IEEE Station Class Polymer Housed Surge Arrester



*Representative Image

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

General

Cantilever Bending Strength - Max.	70000 in lbs
Color	Gray Housing
Material	Silicone Polymer Housing
Mounting Position	Upright
Type	Station

Dimensions

Bolt Circle Diameter	10.00 in
Diameter - Lug Hole	0.56 in (14 mm)
Diameter - Single Bolt Hole(s)	0.56 in
Height	90.8 in
Maximum Operating Altitude	12000 ft
Minimum Mounting Spacing on Center (Sea Level) - Phase to Ground	1029 mm
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	1177 mm
Thickness - Lug	0.25 in (7 mm) - 0.81 in (21 mm)

Electrical Ratings

Creep and Leakage Distance	255.9 in (6500 mm)
Duty Cycle	228 kV
Frequency Rating	48-62 Hz
MCOV	180 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	566.0 kV
Maximum Discharge Voltage	<ul style="list-style-type: none"> • 462 kV @ 1.5 kA • 481 kV @ 3 kA • 497 kV @ 5 kA • 522 kV @ 10 kA • 557 kV @ 20 kA • 613 kV @ 40 kA
Maximum Switching Surge Protective Level @ 1000A	443.0 kV
Maximum Switching Surge Protective Level @ 2000A	458.0 kV
Maximum Switching Surge Protective Level @ 500A	430.0 kV
Pressure Relief Capability- Symmetrical rms (kA)	65
Withstand Voltage - 60 Hz Wet	559 kVrms
Withstand Voltage - Lightning Impulse	1043 kV
Withstand Voltage - Switching Impulse	930 kV

Conductor Related

Conductor Type	Aluminum/Copper
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Certifications and Compliance

Industry Standard(s)	IEEE
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Product Assets

[Catalogs - Station Class Surge Arresters IEEE and IEC \(CA01082E_Catalog 30_0923_web\)](#)
[Installation Manuals - Polymer Hollow Core Station Class Arrester Installation Instructions \(17-5155\)](#)
[ISO Certificates - ISO 9001:2015 - Hubbell Power Systems Inc. Effective 2020-2023, Multi-site \(English\)](#)
[ISO Certificates - ISO 14001:2015 - Hubbell Power Systems Inc.](#)
[Literature - Application Guide: Metal-oxide Surge Arresters for use on AC systems \(TD01135E\)](#)



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