

HUBBELL Power Systems

SVN Arrester (144 kV MCOV)

By OHIO BRASS
Catalog # [SVN180GA144AA](#)

IEEE Station Class Polymer Housed Surge Arrester



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

General

Application	Station
Cantilever Bending Strength - Max.	70000 in lbs
Color	Gray Housing
EU RoHS Indicator	Contact Manufacturer
Material	Silicone Polymer Housing
Mounting Hardware	Single Eyebolt Terminals
Mounting Position	Upright
Type	Station
UPC	096359500254

Dimensions

Bolt Circle Diameter	10 in
Diameter - Lug Hole	0.56 in (14 mm)
Diameter - Ring	25 in / 15 in
Diameter - Single Bolt Hole(s)	0.56 in
Dimensions	4.100 in x 10.850 in x 36.900 in
Height	36.9 in
Length	4.1 in
Maximum Operating Altitude	12000 ft
Minimum Mounting Spacing on Center (Sea Level) - Phase to	818 mm
Minimum Mounting Spacing on Center (Sea Level)- Phase to Phase	939 mm
Thickness - Lug	0.25 in (7 mm) - 0.81 in (21 mm)
Weight	287 lb
Width	10.85 in

Electrical Ratings

Creep and Leakage Distance	197.2 in (5010 mm)
Duty Cycle	180 kV
Frequency Rating	48-62 Hz
MCOV	144 kV
Maximum .5 Microsecond Discharge Volts @ Classifying Current	454 kV
Maximum Discharge Voltage	370 kV @ 1.5 kA
	385 kV @ 3 kA
	398 kV @ 5 kA
	418 kV @ 10 kA
	447 kV @ 20 kA
	491 kV @ 40 kA
Maximum Switching Surge Protective Level @ 1000A	355.0 kV
Maximum Switching Surge Protective Level @ 2000A	367.0 kV
Maximum Switching Surge Protective Level @ 500A	344 kV
Pressure Relief Capability-Symmetrical rms (kA)	65
Withstand Voltage - 60 Hz Wet Impulse	435 kVrms
Withstand Voltage - Lightning Impulse	838 kV
Withstand Voltage - Switching Impulse	724 kV

Conductor Related

Conductor Type	Aluminum/Copper
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Certifications And Compliance

Industry Standard(s)

IEEE

Product Assets

[Catalogs - Station Class Surge Arresters IEEE and IEC](#)

[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](#)

[Sales Drawings - SVN180GA144AA \(For Reference Only\)](#)

[Video - Hubbell Power Systems Metal Oxide Varistor](#)



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OB-SVN180GA144AA-SPEC-EN | REV 6/2024