

SVN Arrester (115 kV MCOV)

By OHIO BRASS  
Catalog # SVN144GA115BB

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

Application

Station

General

Cantilever Bending Strength - Max.	70000 in lbs
Catalog Number	SVN144GA115BB
Color	Gray Housing
Material	Silicone Polymer Housing
Mounting Position	Upright
Type	Station

Dimensions

Bolt Circle Diameter	10 in
Diameter - Single Bolt Hole(s)	0.56 in
Height	58.8 in
Maximum Operating Altitude	12000 ft
Minimum Mounting Spacing on Center (Sea Level) - Phase to	645 mm
Minimum Mounting Spacing on Center (Sea Level)- Phase to	743 mm
Thickness - Lug	0.25 in (7 mm) - 0.81 in (21 mm)

Electrical Ratings

Creep and Leakage Distance	172.1 in (4370 mm)
Duty Cycle	144 kV
Frequency Rating	48-62 Hz
MCOV	115 kV
Maximum .5 Microsecond Discharge Volts @ Classifying	363 kV

Current

Maximum Discharge Voltage	<ul style="list-style-type: none"><li>• 296 kV @ 1.5 kA</li><li>• 308 kV @ 3 kA</li><li>• 318 kV @ 5 kA</li><li>• 334 kV @ 10 kA</li><li>• 357 kV @ 20 kA</li><li>• 393 kV @ 40 kA</li></ul>
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Maximum Switching Surge Protective Level @ 1000A 283.0 kV

Maximum Switching Surge Protective Level @ 2000A 293.0 kV

Maximum Switching Surge Protective Level @ 500A 275 kV

Pressure Relief Capability- Symmetrical rms (kA) 65

Withstand Voltage - 60 Hz Wet 349 kVrms

Withstand Voltage - Lightning 680 kV

Impulse

Withstand Voltage - Switching 581 kV

Impulse

Conductor Related

Conductor Type Aluminum/Copper

Certifications And Compliance

Industry Standard(s) IEEE

Product Assets

- [Catalogs - Station Class Surge Arresters IEEE and IEC](#)
- [Installation Manuals - Polymer Hollow Core Station Class Arrester](#)
- [Installation Instructions](#)
- [ISO Certificates - ISO 14001:2015 - Hubbell Power Systems Inc.](#)
- [Literature - Polymer Station Arrester](#)
- [Literature - Application Guide: Metal-oxide Surge Arresters for use on AC systems](#)
- [Sales Drawings - SVN144GA115BB \(For Reference Only\)](#)
- [Specifications - SVN144GA115BB](#)
- [Video - Hubbell Power Systems Metal Oxide Varistor](#)